

UNIVERSITY OF ARKANSAS
FAYETTEVILLE, ARKANSAS

PUBLICATIONS AND PRESENTATIONS
JULY 1, 2009 – JUNE 30, 2010

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BUMPERS COLLEGE OF AGRICULTURE, FOOD AND LIFE SCIENCES

BOOKS:

Biological and Agricultural Engineering

Matlock, M, R Morgan, Ecological Engineering Design, John Wiley & Sons (2010)

Crop, Soil and Environmental Sciences

Fribourg, H.A., D.A. Hannaway, and **C.P. West** (ed.). 2009. Tall Fescue for the Twenty-first Century. Monogr. 53. ASA, CSSA, SSSA. Madison, WI.

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Entomology

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Kavdia M. Protection against free radicals by microencapsulation. "The Bioartificial Endocrine Pancreas (BAEP)", edited by Jean-Pierre Hallé, Paul de Vos and Lawrence Rosenberg. Chapter 15, 299-307, 2009. (Invited book chapter).

Popp, J, Jathn N Kemper, **M. Matlock**, The Role of Biotechnology n Feeding 9.25 Billion People, Chapter 13: The Context for Biotechnology in Sustainable Agriculture

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INVITED LECTURES:

Agriculture, Economics & Agribusiness

Ahrendsen, Bruce L. 2009. "Financial Analysis and Planning." Invited lecture, International MBA in Agribusiness, Warsaw University of Life Sciences, Poland, June 4-7.

Ahrendsen, Bruce L. 2009. "Marketing Strategy and Policy." Invited lecture, International MBA in Agribusiness, Warsaw University of Life Sciences, Poland, June 4-7.

Drichoutis, A., **R. M. Nayga, Jr.**, and P. Lazaridis. 2009. "Can Nutritional Label Use Reduce Obesity: An Analysis Using Propensity Score Matching." Invited Paper Session, International Association of Agricultural Economists' Congress, Beijing, China, August 16-22.

Nalley, Lanier and Mike Popp. 2009. "How Potential Carbon Policies Could Alter Cropping Patterns and Profitability in the Arkansas Delta." Invited Seminar at the United States Department of Agriculture Research Service. Dale Bumpers National Rice Research Center, Stuttgart, Arkansas, 22 June.

Nalley, L., Z. Niederman, **M. Popp** and M. Matlock. 2009. "Establishing Value in a Carbon Counting world: How Carbon Could Effect US Cotton Production." Invited Seminar at the Texas Agricultural Cooperative Council (TACC) annual meetings. Ruidoso, New Mexico, 8-10 July.

Nayga Jr., R. M. 2009. "Consumers' Willingness to Pay for Nutritional Labels." Invited Lecture, International Centre for Advanced Mediterranean Agronomic Studies (CIHEAM), Zaragoza, Spain, December 18.

Nayga Jr., R. M. 2009. "Foods for Health." Invited Lecture, International Centre for Advanced Mediterranean Agronomic Studies (CIHEAM), Zaragoza, Spain, December 17.

Nayga Jr., R. M. 2009. "Collective Models of Household Behavior." Invited Lecture, International Centre for Advanced Mediterranean Agronomic Studies (CIHEAM), Zaragoza, Spain, December 16.

Nayga Jr., R. M. 2009. “Neoclassical Economic Theory and Extensions.” Invited Lecture, International Centre for Advanced Mediterranean Agronomic Studies (CIHEAM), Zaragoza, Spain, December 15.

Nayga Jr., R. M. 2009. “Consumer Behavior.” Invited Lecture, International Centre for Advanced Mediterranean Agronomic Studies (CIHEAM), Zaragoza, Spain, December 14.

Agricultural and Extension Education

Edgar, D.W. – lead author and collaborator for a 2-hour professional development workshop *Diversity and Development Measures of Pre-service Teachers in Early Program Development*, invited research presentation serving a national audience of professionals involved in higher education. This presentation disseminated research conducted at SDSU on epistemological development, self-efficacy, and cross-cultural sensitivity at the AACTE in Chicago, IL, 2009.

Edgar, L.D., Phillips, L., Rutherford, T., & Doerfert, D. (2009). Creating international agricultural experiences in the virtual world: An exploration of Second Life. *Invited lecture at the 2009 Annual Meeting of the Association for Communication Excellence in Agriculture, Natural Resources, and Life and Human Sciences*, Des Moines, IA, June 6-9, 2009.

Johnson, D.M. (2009). Developing and maintaining a positive classroom environment. Invited campus-wide workshop presentation at the 2009 Baum Teaching Improvement Seminar held in August 2009.

Agricultural Statistics Laboratory

Mauromoustakos (2009). Important new analysis in JMP® Version 8. Rice Industry Alliance Meetings, Fayetteville, AR.

Mauromoustakos, A. (2009). Example analysis of generalized linear models. Agricultural University of Athens, Department of Plant Breeding and Biometry.

Mauromoustakos, A. (2009). Visual data mining. Hellenic American University of Athens, Department of Information Technology.

Biological and Agricultural Engineering

Leh, M., and **S. G. Bajwa.** 2009. Identifying sediment source areas in a mixed land use watershed. In. Proc. International Conference on Food Security and Environmental sustainability. Dec. 17-19. Kharagpur, West Bengal, India.

Bajwa, S. G. 2009. Non-linear models for estimating nutrient value of ground beef patties from spectral data. In. Proc. International Conference on Food Security and Environmental Sustainability. Dec. 17-19. Kharagpur, West Bengal, India.

Logsdon, R., and **S. G. Bajwa**. 2009. Development of a Distributed Artificial Neural Network for Hydrologic Modeling. In. Proc. World Congress of Computers in Agriculture, June 22-24, Reno, Nevada.

Zhao, F., Y. Liang, T. A. Costello, **S. G. Bajwa**. 2009. Comparison of point estimates from the litter floor and whole-house monitoring of ammonia emissions of poultry houses. ASABE Paper No. 097046. St. Joseph, MI: ASABE.

Kulkarni, S. S., and **S. G. Bajwa**. 2009. Correlation of crop response to soil compaction in Cotton. In. Proc. of 2009 Beltwide Cotton Producers National Research Conferences, January 5-8, San Antonio TX.

Kulkarni, S. S., L. Espinoza, T. Griffin, **S. G. Bajwa**, and E. Barnes. 2009. Soil compaction patterns by On-board module builders. Rice field day at RREC, Stuttgart, Arkansas. (poster)

Leh, M., **S. G. Bajwa**, I. Chaubey, and J. Cothren. 2009. Monitoring and measuring stream bank erosion using digital photogrammetry. In. Proc. ASABE Annual Meeting. St. Joseph, MI: ASABE.

Bajwa, S. G., D. S. Bajwa, and G. H. Holt. 2009. Evaluation of cotton gin byproducts as a lingo-cellulosic filler in polymer composites. International workshop on Cotton, 9-11 Nov 2009, Central Institute for Research on Cotton Technology, Nagpur, India.

Bandekar, P., **S. G. Bajwa**, M. Saleh, and J.-F. Meullenet. 2009. Measuring ammonia-N in water using near infrared spectroscopic technique. Annual Meeting of Arkansas Section of ASABE. Oct. 3, 2009, Little Rock, AR.

Leh, M., **S. G. Bajwa**, I. Chaubey, J. Cothren, and K. Asante. 2009. Measuring stream bank erosion using aerial imaged and digital photogrammetry. AWRA Annual Meeting and Conference. Fayetteville, AR.

Carrier, DJ. 2009. Extraction of co-products from forestry biomass. University of Arkansas at Monticello, AR.

Carrier DJ, Bunnell K, Wallace S, Penny R and Clausen E. 2009. Design and operation of a countercurrent extractor for the extraction of flavonolignans. Institute of Food Technology, Anaheim, CA (poster presentation)

Abbott J, Carrier DJ, Medina Bolivar F and Clausen E. 2009. Determination of biological activity of stilbenoids resveratrol, piceatannol, arachidin-1, and arachidin-3. Institute of Food Technology, Anaheim, CA (poster presentation)

Carrier DJ, and Clausen E. 2009. Understory biomass from pine forests: Use as feedstock for cellulosic ethanol ACS meeting Washington, DC (poster presentation).

Abbott J, Carrier DJ, Medina Bolivar F and Clausen E. 2009. Purification and determination of antioxidant activity of bioactive stilbenoids from hairy root cultures of peanut. IPMB, St-Louis, MO (poster presentation).

Martin E, Duke J, Lau C, Clausen E, Pelkki M and Carrier DJ. Shikimic acid as a co-product from sweetgum. 31th Symposium on Biotechnology for Fuels and Chemicals, San Francisco, CA (poster).

Duke J, Martin E, Lau C, Clausen E, Pelkki M and Carrier DJ. Pretreatment of sweetgum with dilute sulfuric acid. 31th Symposium on Biotechnology for Fuels and Chemicals, San Francisco, CA (poster).

Engelberth A, Carrier DJ and Clausen E. Ginsenoside purification: Hot water extraction vs. ultrasonic assisted extraction. 31th Symposium on Biotechnology for Fuels and Chemicals, San Francisco, CA (poster).

Thorbole, C.,H. Lankarani, T. A. Costello. 2009. Temperature effect on the dynamic characteristics of the aircraft seat cushion. Proceedings of the 2009 International Mechanical Engineering Congress and Exposition, November 13, 2009. ASME. Designated: IMCE2009-12164. (peer reviewed, considered refereed in Mechanical Engineering).

Costello, T. A. 2009. Feasibility of on-farm litter combustion for space-heating poultry houses. Presented to the Atlantic Poultry Conference, Greenwich, Nova Scotia, Canada, February 20, 2009. (invited).

Costello, T.A., M. D. Matlock, H. Sandefur, S. C. Green, J. Hickle, R. Z. Johnston, C. N. Jones and B. Kennedy. 2009. Open Algae System for Bio-Energy Feedstock Production. Poster presented at the 2009 ASABE Annual International Meeting, Reno, Nevada, June 21 – June 24, 2009.

Zhao, F. Yi Liang, T. A. Costello, S. G. Bajwa. 2009. Comparison of Point Estimates from the Litter Floor and Whole-house Monitoring of Ammonia Emissions of Poultry Houses. Presented at the 2009 ASABE Annual International Meeting, Reno, Nevada, June 21 – June 24, 2009. ASABE Paper No. 09-7046.

Massey, L., and **Haggard, B.** 2009. Illinois River Watershed Partnership – Volunteer Monitoring Program. Final Report, Arkansas Natural Resources Commission, USEPA 319 Program. Arkansas Water Resources Center Technical Publication MSC 354.

Massey, L., W. Cash and **Haggard, B.** 2009. Illinois River Watershed Partnership–Constituent Loads at the Illinois River at Arkansas Highway 59. Final Report, Arkansas Natural Resources Commission, USEPA 319 Program. Arkansas Water Resources Center Technical Publication MSC 352.

Massey, L., W. Cash and **Haggard, B.** 2009. Illinois River Watershed Partnership–Constituent Loads at Ballard Creek at County Road 76. Final Report, Arkansas Natural Resources Commission, USEPA 319 Program. Arkansas Water Resources Center Technical Publication MSC 353.

Longing, S. and **Haggard B.** 2009. Frequency Distributions of Median Nutrient and Chlorophyll concentrations across the Red River Basin, 1996–2006. Arkansas Water Resources Center Technical Publication MSC 350.

Longing, S.D., and **Haggard, B.E.** 2009. *Heterosternuta sulphuria* (Coleoptera: Dytiscidae) occurrence in the Sulphur Springs Headwater System and in Buffalo National River Tributaries (Arkansas, USA): Current Distribution, Habitat Conditions, and Biomonitoring Framework. Arkansas Water Resources Center Technical Publication MSC 351.

Matlock, M., **B. Haggard**, A. Brown, E. Cummings, L. Yates, and D. Parker. 2009. Water Quality and Ecological Assessment: Osage and Spring Creeks. Final Report prepared for Springdale and Rogers Water Utilities.

Scott, T. and **Haggard, B.** 2009. Watershed Investigative Support to the Beaver Water District: Chemical Flux from Bottom Sediment Cores, Beaver Water District, Lowell, Arkansas.

Haggard, B. WTRs and Phosphorus, Beaver Water District Board of Director’s Meeting, Lowell, Arkansas – January 2009 (Invited).

Haggard, B. and M. David. Regression methods to estimate fecal bacteria numbers in the Illinois River Basin, USDA CSREES National Water Conference, St. Louis, Missouri – February 2009.

Haggard, B. and S. Longing. Red River Nutrient Criteria Development – Next Steps?, USEPA Region VI RTAG, Dallas, Texas – February 2009.

Longing, S. and **B. Haggard.** Red River Nutrient Criteria Development – Data Distributions, USEPA Region VI RTAG, Dallas, Texas – February 2009.

Bartsch, L., and **B. Haggard.** Pharmaceuticals and organic wastewater compounds in water and bed material downstream of three municipal effluent discharges. Arkansas Water Resources Center Annual Research Conference, Fayetteville, Arkansas – April 2009.

Drake, B., J. Scott, A. Sharpley, **B. Haggard** and C. Rogers. The effect of light and temperature on periphyton phosphorus uptake over two seasons in several northwest Arkansas streams. Arkansas Water Resources Center Annual Research Conference, Fayetteville, Arkansas – April 2009.

Haggard, B. and M. David. 2009. Development of regression-based models to predict fecal indicator bacteria at the Illinois River Basin, Arkansas and Oklahoma. Arkansas Water Resources Center Annual Research Conference, Fayetteville, Arkansas – April 2009.

Jensen, N., M. Evans-White, and **B. Haggard**. Benthic macroinvertebrate food web patterns in a headwater stream prior to a riparian zone restoration. Arkansas Water Resources Center Annual Research Conference, Fayetteville, Arkansas – April 2009.

Longing, S. and **B. Haggard**. An initial assessment of the invertebrate assemblage and aquatic habitat at the Watershed Research and Education Center. Arkansas Water Resources Center Annual Research Conference, Fayetteville, Arkansas – April 2009.

Rogers, C., A. Sharpley, **B. Haggard**, J. Scott, and B. Drake. Distribution and phosphorus – sorption characteristics of select streams within the Illinois River Watershed. Arkansas Water Resources Center Annual Research Conference, Fayetteville, Arkansas – April 2009.

Toland, C., M. Boyer, and **B. Haggard**. Elemental concentrations in runoff water and media from green roofs and urban streams. Arkansas Water Resources Center Annual Research Conference, Fayetteville, Arkansas – April 2009.

Haggard, B. and L. Bartsch. Effect of a new effluent discharge on stream phosphorus retention. North American Benthological Society Annual Meeting, Grand Rapids, Michigan – May 2009.

Longing, S., P. Bacon, and **B. Haggard**. Status and ecological indicator potential of *Heterosternuta sulphuria* populations (Coleoptera: Dytiscidae: Hydroporinae) in Arkansas. North American Benthological Society Annual Meeting, Grand Rapids, Michigan – May 2009.

Romeis, J., **B. Haggard**, T. Scott, and A. Sharpley. Water quality changes in the Eucha–Spavinaw Watershed, Northwest Arkansas and Northeast Oklahoma, 2002–2008. SERA – IEG 17 Annual Meeting, Ottawa, Canada – July 2009.

Scott, T., **B. Haggard**, and A. Sharpley. Significance of nitrogen retention by reservoirs and farm ponds in the White River Basin of Missouri and Arkansas. Soil and Water Conservation Society Annual Meeting, Kansas City, Missouri – September 2009.

Sharpley, A., J. Romeis, T. Scott, and **B. Haggard**. Nutrient loading in streams and eutrophication of reservoirs. Soil and Water Conservation Society Annual Meeting, Kansas City, Missouri – September 2009 (Invited).

Haggard, B. Illinois River Watershed Management Plan – Update to the Joint Performance Review Committee, Arkansas State Legislature, Rogers, Arkansas – October 2009 (Invited).

Haggard, B., T. Scott, and L. Massey. Effect of an effluent discharge on phosphorus retention at Goose Creek and the Illinois river, Northwest Arkansas. American Water Resources Association Annual Meeting, Seattle, Washington – November 2009.

Wang, W., Wang, X., Jin, S., and Ye, K., “Generation of Glucose-Responsive, Insulin-Secreting Cells from Embryonic Stem Cells”, Tissue Engineering and Regenerative Medicine International Society-EU, 2010 Meeting, June 13-17, 2010, Galway, Ireland.

Ye, K., Leach, J., and Jin, S. “Design of Aptamer-based Nanoparticle Carriers Targeting Prostate Tumors”, 2010 International Congress of Antibody, March 2010, Beijing, China. (Invited speaker)

Veetil, J., Jin, S., and Ye, K., “Design FRET indicator proteins for continuous glucose monitoring in vitro and in vivo”, The 10th World Congress on Biosensors, May 26-28, 2010, Glasgow, UK (Invited speaker)

Ellis, E., Yao, H., Veetil, J., Ye, K., Jin, S., “Visualization of HIV Protease Inhibition Using a FRET Molecular Probe”, 239th America Chemistry Society Annual meeting, March 21-25, 2010 San Francisco, CA.

Yanagihara, K., Jin, S., and Ye, K., “The differentiation of human embryonic stem cells into pancreatic islet cells within three-dimensional scaffold” Biomedical Engineering Society 2009 Annual Meeting, October, 7-10, 2009, Pittsburgh, PA.

Haukas, A., Jin, S., Veetil, J., Ye, K., “Derivation of Human Fibroblasts into iPS Cells and Subsequent Differentiation into Pancreatic β -cells in a 3-D Scaffold” Biomedical Engineering Society 2009 Annual Meeting, October, 7-10, 2009, Pittsburgh, PA.

Veetil, J., Jin, S., and Ye, K. “Genetically engineered fluorescence lifetime based protein sensor for visualization and continuous monitoring of glucose concentration in living cells” 2009 Biomedical Engineering Society Annual Meeting, October 7-10, 2009, Pittsburgh, PA.

Rogers SC and Kavdia M. Critical evaluation of DHE fluorescence and cytochrome cabsorbance measurement of superoxide in the presence of nitric oxide and superoxide dismutase. Experimental Biology, New Orleans, LA, 2009.

Rogers SC and Kavdia M. L-NAME increases and apocynin decreases dihydroethidium fluorescence in endothelial cells in hyperglycemia. Experimental Biology, New Orleans, LA, 2009.

Kluess HA, Stone AJ, **Rogers SC**, and Mahendra Kavdia. Age-related changes in fluorescent imaging of superoxide in skeletal muscle arterioles. Experimental Biology, New Orleans, LA, 2009.

Lakshmanan N and Kavdia M. Reactive oxygen and nitrogen species in leukocyte adhesion and transmigration: a computational model. Experimental Biology, New Orleans, LA, 2009.

Deonikar P, and Kavdia M. Experimental analysis of nitric oxide-red blood cells interactions using a novel micron scale flow system. Experimental Biology, New Orleans, LA, 2009.

Deonikar P, and Kavdia M. Nitric oxide interactions with red blood cell hemoglobin: Effect of NO Concentrations and hematocrit. Southern Biomedical Engineering Conference, Miami, Florida, 2009.

Deonikar P, and Kavdia M. Role of erythrocytes in nitric oxide transport in blood vessels. Biomedical Engineering Society (BMES). Annual Fall Meeting, October, 2009.

Deonikar P, and Kavdia M. Effect of membrane permeability & extracellular diffusion on nitric oxide transport to erythrocytes. Biomedical Engineering Society (BMES). Annual Fall Meeting, October, 2009.

Rogers SC and **Kavdia M**. DHE Fluorescence Measurements from Hyperglycemic Endothelial Cells. Biomedical Engineering Society (BMES). Annual Fall Meeting, October, 2009.

Rogers SC and Kavdia M. Superoxide increases in hyperglycemic endothelial cells using DHE fluorescence: Is it production or concentration? SFRBM Annual Meeting, 2009.

Schulte, M.B. MS, Z. Dong, PhD S. Tung, **J.-W. Kim***, U. Wejinya, H.-M. Moon Post-Doc, and B.-W. Kong. 2009. "Impedance Spectroscopy of Chicken Infectious Laryngotracheitis Virus Based on Atomic Force Microscopy," in Proceedings of IEEE International Conference on Nano/Molecular Medicine and Engineering (IEEE-NANOMED), Cheng Kung, Taiwan.

Lee, J.S. PhD, J.J. Song, R. Deaton, and J.-W. Kim.* 2009. "Exploring the Potential of Microarray Technology for Bio/Nano Sensing," in Proceedings of IEEE International Conference on Nano/Micro Engineered and Molecular Systems (IEEE-NEMS), Shenzhen, China.

Kim. J.-W. * and R. Deaton. 2009. "DNA-Based Nanoscale Building Block for Controllable and Scalable Nanofabrication," in Proceedings of NSF CMMI Engineering Research and Innovation Conference, Honolulu, Hawaii.

Kim. J.-W. * and J.-H. Kim PhD. 2009. "Controlled Self-Assembly of Nanoparticles by Anisotropic Chemical Modifications," in DNA 15: Preliminary Proceedings of the 15th International Meeting on DNA Computing, R. Deaton, et al. (eds.), Fayetteville, Arkansas.

Tung, S. and J.-W. Kim. 2009. "Nanoscale Bio/Abio Interfacing," in Proceedings of IEEE International Conference on Nano/Micro Engineered and Molecular Systems (IEEE-NEMS), Shenzhen, China. Invited Paper.

Kim. J.-W. *, H.-M. Moon Post-Doc, S. Tung, and H.-H. Lee. 2009. "Highly Effective Bacterial Removal System Using Carbon Nanotube Clusters," in Proceedings of IEEE International Conference on Nano/Micro Engineered and Molecular Systems (IEEE-NEMS), Shenzhen, China.

Schulte, M.B. MS, Z. Dong PhD, S. Tung, **J.-W. Kim**, U. Wejinya, H.-M. Moon Post-Doc, and B.-W. Kong. 2009. Impedance Spectroscopy of Chicken Infectious Laryngotracheitis Virus Based on Atomic Force Microscopy. IEEE International Conference on Nano/Molecular Medicine and Engineering (IEEE-NANOMED), Cheng Kung, Taiwan.

Kim. J.-W. and J.-H. Kim PhD. 2009. Controlled Self-Assembly of Nanoparticles by Anisotropic Chemical Modifications. The 15th International Meeting on DNA Computing, Fayetteville, Arkansas.

Kim. J.-W. and R. Deaton. 2009. DNA-Based Nanoscale Building Block for Controllable and Scalable Nanofabrication. NSF CMMI Engineering Research and Innovation Conference, Honolulu, Hawaii.

Judkins, J. MS and J.-W. Kim. 2009. Carbon Nanotube Diffusion in Simulated Human Body Fluids. Annual Conference of the Institute of Biological Engineering, Santa Clara, California.

Nelson, C. Under, H.-M. Moon, and J.-W. Kim. 2009. Carbon Nanotube Cluster Based Micro-Fluidic System for Bacteria Capture, Concentration, and Separation. Annual Conference of the Institute of Biological Engineering, Santa Clara, California.

Galanzha, E.I., **J.-W. Kim**, V.V. Tuchin, E.V. Shashkov, and V.P. Zharov. 2009. In Vivo Integrated Photoacoustic Diagnosis and Photothermal Therapy of Lymphatic System with Novel Molecular Contrast Agents. 2009 American Society for Laser Medicine and Surgery (ASLMS) Annual Conference West, Washington DC.

Galanzha, E.I., V.V. Tuchin, E.V. Shashkov, **J.-W. Kim**, and V.P. Zharov. 2009. In Vivo Integration of Multiwavelength Photoacoustic Lymphography, Sentinel Lymph Nodes Mapping, and Metastasis Assessment Using Multiplex Nanoparticle Targeting. SPIE Photonics West, San Jose, California.

Galanzha, E.I., E.V. Shashkov, **J.-W. Kim**, and V.P. Zharov. 2009. In Vivo Photoacoustic Flow Cytometry of Immune-Related Cells and Pathogens with Label-Free Detection and Multicolor Nanoparticle Contrast Agents in Whole Living Animals. SPIE Photonics West, San Jose, California.

Kim. J.-W., H.-M. Moon, S. Tung, and H.-H. Lee. 2009. Highly Effective Bacterial Removal System Using Carbon Nanotube Clusters. IEEE International Conference on Nano/Micro Engineered and Molecular Systems (IEEE-NEMS), Shenzhen, China.

Lee, J.S. PhD, J.J. Song, R. Deaton, and J.-W. Kim. 2009. Exploring the Potential of Microarray Technology for Bio/Nano Sensing. IEEE International Conference on Nano/Micro Engineered and Molecular Systems (IEEE-NEMS), Shenzhen, China.

Tung, S. and J.-W. Kim. 2009. “Nanoscale Bio/Abio Interfacing,” in IEEE International Conference on Nano/Micro Engineered and Molecular Systems (IEEE-NEMS), Shenzhen, China. (invited)

Kim, J.-W. . 2009. “Bio/Nano Technology,” in Workshop on Micro/Nano Manipulation and Device Fabrication, Shenyang, China (invited).

Galanzha, E.I., M. Kokoska, E. Shashkov, S. Allen, S. Klimberg, **J.-W. Kim**, L. Hutchins, A. Biris, and V.P. Zharov. 2009. “Multicolor nanoparticles as molecular photoacoustic super-contrast agents for in vivo advanced sentinel lymph node mapping, multispectral lymphography, and metastasis assessment,” in Nanotechnology and Healthcare Conference, Winthrop Rockefeller Institute, Petit Jean Mountain, Arkansas.

Kim, J.-W. 2009. “Bio/Nano Technology,” in Chemical Engineering Department, Myongji University, Yongin, Korea (invited).

Kim, J.-W. . 2009. “Bio/Nano Technology,” in Gwangju Institute of Science and Technology, Korea (invited).

Kim, J.-W. . 2009. “Bio/Nano Technology,” in Shenyang Institute of Automation Chinese Academy of Science, China (invited).

Li, Y. 2009. Nanoparticle-based Fluorescent Biosensor for Rapid Detection of *Listeria monocytogenes* in Foods. The final report to USDA/ARS and NAFSS for the funded two-year project.

Li, Y. 2009. Biosensor for Rapid Screening of Avian Influenza Viruses. The final report to ABI for the funded three-year project.

Li, Y., and A. Wang. 2009. Magnetic Nanoparticle Microfluidics for High Efficient Capture, Separation and Concentration of Foodborne Pathogens. The final report to NSF/STTR for the funded Phase I and IB project.

Li, D., R. Wang, **Y. Li**, Y. Ying and J. Wang. 2009. Detection of *E. coli* O157:H7 using a piezoelectric immunosensor with gold nanowire modified electrode. Presented at ASABE 2009 Annual Meeting, June 21-24, 2009, Reno, NV. ASABE Paper No. 096631.

Lin, J., and Y. Li. 2009. Bionanobeads-based electromagnetic separator for rapid separation of pathogenic bacteria. Presented at ASABE 2009 Annual Meeting, June 21-24, 2009, Reno, NV. ASABE Paper No. 097079.

Wang, Y., R. Wang, X. Jiang, Y. Li, and Y. Ying. 2009. Effects of micro/nanobeads on the frequency and resistance signals of a QCM immunosensor for detection of *E. coli* O157:H7. Presented at ASABE 2009 Annual Meeting, June 21-24, 2009, Reno, NV. ASABE Paper No. 097465.

Li, Y., R. Wang, K. Lassiter, B. Hargis, S Tung, L. Berghman, and W. Bottje. 2009. A portable impedance biosensor for rapid detection of avian influenza virus in poultry swab samples. Invited presentation at the 1st Sino-Germany Cooperation Symposium on Advanced Sensing Technology for Precision Agriculture, October 10-14, 2009, Beijing, China.

Li, Y. 2009. Biosensor technologies and their applications in agriculture, food, and environment. Invited presentation at Joint International Agricultural Conference, October 14-17, 2009, Beijing, China.

Li, Y. 2009. A portable impedance biosensor for rapid, specific and sensitive detection of avian influenza virus in poultry swab samples. Invited presentation at South China Agricultural University, January 16, 2009, Guangzhou, China.

Li, Y. 2009. A portable impedance biosensor for rapid, specific and sensitive detection of avian influenza virus in poultry swab samples. Invited presentation at China Agricultural University, January 15, 2009, Beijing, China.

Kanayeva, D., **R. Wang**, and Y. Li. 2009. Immunomagnetic separation of *Listeria monocytogenes* using nanosized beads. Presented at IAFP 2009 96th Annual Meeting, July 12-15, 2009, Grapevine, TX. Poster No. P2-097.

Lassiter, K., R. Wang, J. Lin, J. Lum, B. Srinivasan, L. Lin, H. Lu, B. Hargis, W. Bottje, S. Tung, L. Berghman, and Y. Li. 2009. Comparison study of an impedance biosensor and rRT-PCR for detection of avian influenza H5N2 from infected chickens. Presented at PSA 2009 Annual Meeting, Raleigh, NC, July 20-23, 2009. Poster No. 405-P.

Li, D., **R. Wang**, Y. Li, Y. Ying and J. Wang. 2009. Detection of *E. coli* O157:H7 using a piezoelectric immunosensor with gold nanowire modified electrode. Presented at ASABE 2009 Annual Meeting, June 21-24, 2009, Reno, NV. ASABE Paper No. 096631.

Lin, J., and Y. Li. 2009. Bionanobeads-based electromagnetic separator for rapid separation of pathogenic bacteria. Presented at ASABE 2009 Annual Meeting, June 21-24, 2009, Reno, NV. ASABE Paper No. 097079.

Wang, H., **Li, Y.**, and M. Slavik. 2009. Simultaneous separation and detection of multiple foodborne pathogens using magnetic nanobeads and quantum dots. Presented at IAFP 2009 96th Annual Meeting, July 12-15, 2009, Grapevine, TX. Poster No. P2-113.

Wang, Y., R. Wang, X. Jiang, Y. Li, and Y. Ying. 2009. Effects of micro/nanobeads on the frequency and resistance signals of a QCM immunosensor for detection of *E. coli* O157:H7. Presented at ASABE 2009 Annual Meeting, June 21-24, 2009, Reno, NV. ASABE Paper No. 097465.

Zhao, F., Y. Liang, T.A. Costello, and S.G. Bajwa 2009. Comparison of point estimates from the litter floor and whole-house monitoring of ammonia emissions of poultry houses. ASAE meeting paper 097046. St. Joseph, Mich.: ASABE

Matlock, M, A. Brown, B. Haggard and E. Cummings. 2009. An Ecological Assessment of Osage and Spring Creeks, Northwest Arkansas, 2007-2009. CARS Report 09-12A.

Matlock, M, Book Review of Witness To Extinction. JEQ, 2010

Matlock, M, Book Review of Doing Environmental Ethics. JEQ, 2010

Matlock, M, Measuring what Matters in Sustainable Strategy Development. MARS Corp Science Advisory Meeting, Manhattan, NY, January 5, 2009. (Invited)

Matlock, M, Ramsey, S., Nalley, L., Analysis of Agricultural Sustainability from 1985 to 2005. Commodity Classic, San Antonio, Texas. January 12, 2009. (Invited)

Matlock, M, Nalley, L., Assessment of Agricultural Indicators of Sustainability, National Academy of Science Roundtable: Sustainability Labels, Irvine, CA, January 18, 2009, (Invited)

Matlock, M, Nalley, L, Assessment of Agricultural Greenhouse Gas Dynamics, Keystone Alliance: Field to Market Whole Systems Meeting, Washington, DC, January 18, 2009, (Invited)

Matlock, M, Water Quality Indicators in Agricultural Landscapes, Keystone Alliance: Field to Market Meeting, Washington, DC, February 19, 2009, (Invited).

Matlock, M, Ramsey, S., Nalley, L., Analysis of Agricultural Sustainability from 1985 to 2005, National Farm Bureau Meeting, Grapevine, Texas, February 26, 2009 (Invited).

Matlock, M, Nalley, L, Methods of Measuring Agricultural Sustainability, Agricultural Revolution, SAI/Sustainable Food Labs, Landsdowne, MD, March 18, 2009.

Matlock, M, Nalley, L, Open Source LCI Databases for Ag LCAs, USDA Leadership Conference, USDA, Washington, DC, March 19, 2009 (Invited)

Matlock, M, Sustainability 2050, Caring for Creation Conference, March 28, 2009, (Invited).

Matlock, M, Nalley, L., Agricultural Sustainability Metrics, Sustainable Actions for a sustainable Future, Missouri State University, Springfield, MO, April 23, 2009 (Invited).

Matlock, M, Agricultural Water Use, MARS Corp Sustainability Pod Meeting, McLean, VA, May 4, 2009 (Invited).

Matlock, M, Nalley, L., Greenhouse Gas Life Cycle Analysis in Cotton, Keystone Alliance: Field to Market Whole Systems Meeting, Washington, DC, May 7, 2009.

Matlock, M, Sovereignty and Sustainability, Native And Indigenous Peoples Studies International Conference, St. Paul, MN, May 22, 2009 (Invited).

Matlock, M, Nalley, L., Life Cycle Analysis Methods, Keystone Alliance: Field to Market Indicators Meeting, Washington, DC, June 3, 2009 (Invited).

Matlock, M, Nalley, L., Methods of Measuring Agricultural Sustainability: Cotton Greenhouse Gas LCA., Monsanto Corporation Sustainability Conference, St. Louis, MO, July 27, 2009 (Invited).

Matlock, M, Agricultural Sustainability Opportunities and Challenges, KASHI Headquarters, La Jolla, CA, August 4, 2009 (Invited).

Matlock, M, Nalley, L., Metrics for Sustainable Agricultural Production, United Nations Foundation Land Symposium, August 11, 2009 (Invited).

Matlock, M, Nalley, L., Sustainable Agricultural Production Practices, KASHI Sustainability Workshop, Sundance, UT, September 14, 2009 (Invited)

Matlock, M, Nalley, L., Agricultural Production Challenges for a Sustainable Planet, MARS Corp Sustainability Pod Meeting, McLean, VA, September 28, 2009 (Invited).

Matlock, M, Nalley, L., Neiderman, Z., Thoma, G., Metrics for Sustainable Supply Chains: LCIs to inform LCAs, World Resources Institute Program for Corporate Ecosystem Services Management, CCE, Atlanta, GA, October 7, 2009(Invited)

Matlock, M, Nalley, L., Agricultural Production Challenges for a Sustainable Planet, Cotton Council International, Budapest, Hungary, November 5, 2009 (Invited)

Matlock, M, Measures, Metrics, and Indices of Sustainability, Conservation Forum for Harris World Ecology Center, St. Louis, MO, November 12, 2009 (Invited)

Matlock, M, Water Resources and Sustainability, Native American Week Conference, North Carolina State University, Chapel Hill, NC, November 14, 2009 (Invited).

Matlock, M, Water Quality and Land Use Indicators, Keystone Alliance Field To Market, Washington, DC, December 10, 2009 (Invited).

Osborn, G.S., G.R. Richardson, A. McCain. 2009. One Year Progress Report. A Portable Dissolved Oxygen Delivery System for Rapid Treatment of Organic Spills. National Science Foundation.

Osborn, G.S., G.R. Richardson, A. McCain. 2009. 18 month Progress Report. A Portable Dissolved Oxygen Delivery System for Rapid Treatment of Organic Spills. National Science Foundation.

Osborn, G.S., G.R. Richardson, A. McCain. 2009. One Year Progress Report. Point Source Ozonation to Minimize Antibiotic Resistance. National Institutes of Health

Osborn, G.S. 2009. My 25 Year PE Journey. Invited article to motivate Agricultural Engineers to take the PE exam to become licensed. Resource. American Society of Agricultural and Biological Engineers.

Zaharoff, D.A., Schlom, J. and Greiner, J.W. Intravesical Chitosan/IL-12 Immunotherapy for the Management of Superficial Bladder Cancer. Biomedical Engineering Society Annual Meeting. Pittsburgh, PA. October 2009. (Poster Presentation).

Zaharoff, D.A., Hance, K.W., Rogers, C.J., Schlom, J. and Greiner, J.W. Intratumoral immunotherapy with chitosan/IL-12 eradicates established tumors and elicits durable, tumor-specific immune responses. International Society for the Biological Therapy of Cancer. Washington, DC. October 2009. (Poster Presentation).

Crop, Soil and Environmental Sciences

Anders, M.M., and J. Hignight. 2009. Sustainable Flooded Rice Production in Arkansas, USA. 2009 VI Congresso Brasileiro Arroz Irrigado. Porto alegre, RS Brazil. 11-14 Aug. (Invited)

Anders, M.M., K.B. Watkins, and J. Hignight. 2009. Good Times: Bad Times, When Is it Best to Begin No-Till Rice Production. 12th Annual Nat'l Conservation Systems Cotton and Rice Conference. Marksville, LA. 26-27 Jan. (Invited)

Anders, M M. 2009. Soil Quality in Winter Annual Pastures. Presented at the 2009 Wheat Grazing Field Day, Gayther Crank Farm, Lewisville, Arkansas, 30 Apr. (Invited)

Bourland, F.M. 2009. Hairy-Leaf Cottons and Leaf Grade. Technical Committee on Cotton Quality, Mar 26, Memphis, TN. (Invited)

Bourland, F.M. and D.C. Jones. 2009. Cotton Quality Index: Public Cotton Breeding Programs. Technical Committee on Cotton Quality, Mar 26, Memphis, TN. (Invited)

Moldenhauer, K.A.K. 2009. Presentation on Breeding and Physiology Proposals. Rice Research and Promotion Board. Little Rock, AR. 04 Mar. (Invited)

Moldenhauer, ,K.A.K. 2009. Potential Rice Cultivars. Arkansas Seed Dealers Association Board Meeting. Branson, MO. 30 Jul. (Invited)

- Moldenhauer, K.A.K.** 2009. Potential Rice Cultivars. Arkansas Seed Dealers Association Board Meeting. Arkansas State University, Bio-Science Institute Jonesboro, AR. 22 Jan. (Invited)
- Moldenhauer, K.A.K.** 2009. The Arkansas Rice Breeding Program. Arkansas Seed Growers Association. Brinkley, AR. 15 Jan. (Invited)
- Moldenhauer, K.A.K.** 2009. Update on Breeding and Physiology Proposals. Rice Research and Promotion Board. Stuttgart, AR. 12 Aug. (Invited)
- Moldenhauer, K.A.K.** 2009. Rice Varieties. Cash River Valley Field Day. Cash, AR. 19 Aug. (Invited)
- Moldenhauer, K.A.K.** 2009. Rice Varieties. Pinetree Experiment Station Field Day. Colt, AR. 20 Aug. (Invited)
- Moldenhauer, K.A.K.** 2009. Potential New Variety Releases. Horizon AG Consultant and Producer Field Day. Dexter, MO. 11 Aug. (Invited)
- Moldenhauer, K.A.K.** 2009. Promising New Clearfield and Conventional Rice Varieties. 24th Annual Rice Seminar, San Antonio, TX. 24 Feb. (Invited)
- Moldenhauer, K.A.K.,** L. Nalley, B. Watkins, **J. Gibbons,** and K. Gravois. 2009. Impact of Rice Variety Development - Changes, Challenges, and Future. ASA-CSSA-SSSA 2009 InterNat'l Ann. Mtg. Footprints in the Landscape: Sustainability through Plant and Soil Sciences. Pittsburgh, PA. 01-05 Nov. (Invited)
- Moldenhauer, K.A.K.** 2009. Rice Varieties. RREC Field Day. Stuttgart, AR. 12 Aug. (Invited)
- Moldenhauer, K.A.K.** 2009. How I Got Where I Am. Women in Agronomy Crops, Soils, and Environmental Sciences Luncheon. ASA-CSSA-SSSA 2009 InterNat'l Ann. Mtg. Footprints in the Landscape: Sustainability through Plant and Soil Sciences. Pittsburgh, PA. 03 Nov. (Invited)
- Mozaffari, M.** 2009. Soil Testing and Alternative Organic Fertilizers. Arkansas Soil and Water Conservation Conference. 22 Jan. Jonesboro, AR. (Invited)
- Norsworthy, J.K.,** P. Neve, K. Smith, C. Foresman, and I. Zelaya. 2009. Effects of Herbicides and Cultural Practices on Rate of Glyphosate Resistance Development in Palmer Amaranth. Presented at the WSSA meeting, Orlando, FL. (Invited)
- Norsworthy, J.K.** 2009. Herbicide Resistance Modeling: Glyphosate-Resistant Palmer Amaranth and Barnyardgrass. Presented to Dow AgroSciences Scientists, Indianapolis, IN. 19 Sept. (Invited)

- Norsworthy, J.K.** 2009. Johnsongrass Biology: What We Know and What We Need to Know to Better Manage It. Presented at a Monsanto workshop, Memphis, TN. 12 May. (Invited)
- Norsworthy, J.K.** 2009. Herbicide Resistance and Weed Control in Rice. Presented at the Rice Research and Extension Center Field Day, Stuttgart, AR. (Invited)
- Norsworthy, J. K.** 2009. Status of Herbicide Resistance in Arkansas Crops. Presented at the Pine Tree Field Day, Pine Tree, AR. (Invited)
- Norsworthy, J. K.** 2009. Weed Identification and Management. Presented at the Farmer's Market Workshop, 21 May, Fayetteville, AR. (Invited)
- Norsworthy, J. K.** 2009. Resistance Management Update and Discussion. Presented at the Rice Product Spring Technical meeting, 05 Mar., Brinkley, AR. (Invited)
- Norsworthy, J. K.** and R. C. Scott. 2009. Broadleaf weed control on Arkansas Rice Levees. Presented at the Jefferson County Weed Management meeting on Palmer Amaranth, 14 Dec. Pine Bluff, AR. (Invited)
- Oosterhuis, D.M.** 2009. Annual Report for the USDA NCERA-101 for the University of Arkansas. 04-08 Apr. Park City, Utah. p. 3. (Invited)
- Oosterhuis, D.M.** 2009. Foliar Fertilization, Mechanisms and Magnitude of Nutrient Uptake. Fluid Fertilizer meeting, Scottsdale, AZ. (Invited)
- Oosterhuis, D.M.** 2009. The Use and Mode of Action of 1-Methylcyclopropene on Stressed Cotton. Syngenta meeting, Greensboro, NC 20 Jan. (Invited)
- Osmond, D.L., D. Meals, M. Arabi, D. Hoag, A. Luloff, **A. Sharpley**, D. Line, G. Jennings, M. McFarland, and J. Spooner. 2009. Cost-Effectiveness of BMPs or Initial Progress of the CEAP Synthesis. Heartland Water Quality Conference, Kansas City, KS. (Invited)
- Osmond, D.L., D. Meals, M. Arabi, D. Hoag, A. Luloff, **A. Sharpley**, D. Line, G. Jennings, M. McFarland, and J. Spooner. 2009. Initial Progress of the CEAP Synthesis: Year One. Presented at the USDA -CSREES Water Quality Committee for Shared Leadership, Washington, DC. May. (Invited)
- Osmond, D.L., D. Meals, M. Arabi, D. Hoag, A. Luloff, **A. Sharpley**, D. Line, G. Jennings, M. McFarland, and J. Spooner. 2009. Initial Progress of the CEAP Synthesis: Year One. USDA CEAP Steering Committee, Washington, DC. (Invited)
- Osmond, D.L., D. Meals, M. Arabi, D. Hoag, A. Luloff, **A. Sharpley**, D. Line, G. Jennings, M. McFarland, and J. Spooner. 2009. Update of the CEAP Synthesis. USDA CEAP Steering Committee, Oct. Washington, DC. (Invited)

Purcell, L.C. 2009. Maximizing Soybean Yield: Making the Most of Light, Water, and Nutrients. Division of Plant Science - University of Missouri, Columbia, MO. 04 Mar. (Invited)

Purcell, L.C. 2009. Managing Light and Nitrogen Resources for Specific Environments. Enhancing Soybean Productivity for the 21st Century - Tsukuba InterNat'l Congress Center, Tsukuba, Japan. 29 Mar. (Invited)

Purcell, L.C. 2009. What Does it Take to Produce Record Soybean Yields. Winter Crop School - Oklahoma State University, Stillwater, OK. 15 Dec. (Invited)

Purcell, L.C. 2009. Physiological Traits for Increasing Soybean Yield in Drought Environments. Kyoto University Invited Professorship Lecture. Kyoto, Japan. 29 Jul. (Invited)

Purcell, L.C. 2009. Challenges for Soybean Production on Shallow Soils. Nat'l Agriculture Research Center. Tsukuba, Japan. 28 Aug. (Invited)

Purcell, L.C. 2009. Tweaking the Genetics and Physiology of Soybean to Increase Dryland Yields. American Seed Trade Association. Chicago, IL. 08 Dec. (Invited)

Scott, J.T. 2009. The Significance of N Retention by Ponds and Reservoirs in the White River Basin of Missouri and Arkansas. NSF – Denitrification RCN, University of Rhode Island Coastal Institute. 11-14 May. (Invited)

Scott, J.T., R.M. Blair, B.E. Haggard, J. Romeis, T. Daniel, and A. Sharpley. 2009. Phosphorus Concentrations and Trends in the Illinois River above Lake Tenkiller. Arkansas Water Resource Center Meeting, Fayetteville, Arkansas. 14-15 Apr. (Invited)

Scott, J.T. 2009. Ecological Stoichiometry: A Tool for Developing Nutrient Water Quality Standards? Environmental Dynamics Program Colloquium, Fayetteville, Arkansas. 24 Apr. (Invited)

Scott, R.C. and J.K. Norsworthy. 2009. Discovery, Development, and Control of Glyphosate-resistant Weeds in the Southeastern United States. Presented at the XVII Aapresid Congress, Santa Fe, Argentina. p. 277-281. 19-21 Aug. (Invited)

Sharpley, A.N. 2009. Challenges for Water Quality Best Management Practices. Presentation to Region 6 EPA, Dallas, TX. Sponsored by the Southern Region CSREES. 04-06 Mar. Dallas, TX. (Invited)

Sharpley, A.N. 2009. Updates on the Arkansas Phosphorus Index Revision and Regulation 5. Arkansas Association of Conservation Districts Ann. Mtg., Eureka Springs, AR. 07-09 Dec. (Invited)

Sharpley, A.N. 2009. Demonstrating Runoff Capture from Poultry Houses to Improve Water Quality in 12-Digit HUCs of the Illinois River Watershed. Arkansas Natural Resources Commission. NPS Stakeholder and Project Review Meetings. CES, Little Rock. 15-17 Sept. (Invited)

Sharpley, A.N. 2009. Farm Conservation Measures and Discovery Farms in Arkansas. Arkansas Association of Conservation Districts Northwest Arkansas Meeting, Harrison, AR. 11 Aug. (Invited)

Sharpley, A.N. 2009. Revisions to the Arkansas Phosphorus Index. Presentation to Arkansas Farm Bureau Environmental Issues Committee Meeting, Little Rock, AR, 07 Jul. (Invited)

Sharpley, A.N. 2009. On-Farm Verification Programs. Arkansas Association of Conservation Districts Annual Board Meeting, Little Rock, AR. 19 Mar. (Invited)

Sharpley, A.N. 2009. Challenges to Phosphorus-Based Nutrient Management. Wisconsin Dairy Business Association 10th Annual Conference, Looking Ahead Leading the Way. Madison Wisconsin. 01-02 Dec. (Invited)

Sharpley, A.N. 2009. Sustainable Nutrient Management in Agricultural Watersheds. Presentation to the Walton Family Foundation Sponsored Forum on Maintaining a Healthy Mississippi River Basin Initiative, Bentonville, AR, 18 Mar. (Invited)

Sharpley, A.N. 2009. Nutrient Loading in Streams and Eutrophication of Reservoirs. Keynote presentation at the Symposium "From Dust Bowl to Mud Bowl: Sedimentation, Conservation Measures, and the Future of Reservoirs." Soil and Water Conservation Society Meeting, Kansas City, MO, 14-16 Sept. (Invited)

Sharpley, A.N. 2009. Identifying Critical Sources Areas. Presented at the InterNat'l Joint Commission sponsored Workshop on Approaches to Identifying Critical Source Areas in the Missisquoi Bay Basin, 10-13 Mar. Burlington, VT. (Invited)

Sharpley, A.N. 2009. Proposed Changes to Phosphorus-Based Nutrient Management in the U.S. Presented at the Alberta Agriculture and Food, Agriculture Centre, Lethbridge, Alberta, Canada. 20 Oct. (Invited)

Sharpley, A.N. 2009. Balancing Phosphorus at Farm, Watershed and Regional Scales. Presented at the County of Lethbridge's Nutrient Management Workshop, Lethbridge, Alberta, Canada. 18-19 Oct. (Invited)

Sharpley, A.N. 2009. Biofuel Production and Water Quality: Challenges and Opportunities. Presented at the Annual ASA Meetings, Symposium "Impact of Ethanol Production on the Environment." 01-05 Nov. Pittsburgh, PA. (Invited)

Sharpley, A.N. 2009. Soil Controls of Phosphorus Loss to Surface Waters. Presented at the Annual SERA-17 Meeting, Windsor, Ontario, Canada. 28-31 Jul. (Invited)

Shi, A., **P. Chen**, R. Vierling, I. Cervantes, and E. Shakiba. 2009. Development of a Multiplex SNP Assay for Soybean Mosaic Virus Resistance Genes. World Soybean Research Conference VIII. 10-15 Aug. Beijing, China. (Invited)

Simpson, T.W., L.A. Martinelli, **A.N. Sharpley**, and R.W. Howarth. 2009. Impact of Ethanol Production on Nutrient Cycles and Water Quality: The United States and Brazil as Case Studies. Given at the Conference Biofuels: Environmental Consequences and Interactions with Changing Land Use, sponsored by the Scientific Committee on Problems of the Environment (SCOPE) InterNat'l Biofuels Project Rapid Assessment, Gummersbach, Germany. 22-25 Sept. (Invited)

Slaton, N.A. 2009. The Influence of Nitrogen Application Time and a Urease Inhibitor on Winter Wheat Yield. ASA Ann. Mtg. Pittsburgh, PA. 01-05 Nov. (Invited)

Slaton, N.A. 2009. Soil Potassium Depletion. Southern Plant Nutrient Management Conference. 05 Oct. (Invited)

Slaton, N.A. 2009. Production of High Yielding Rice with Emphasis on Zn and Mg. Nutrition Mosaic Company Ag College. Orlando, FL. 20 Jan. (Invited)

Slaton, N.A. 2009. Soybean Fertilization Trends and Research Results. Arkansas Soybean Research Conference. 08 Dec. (Invited)

Srivastava V. 2009. Rice Transformation using Cre-Lox Technology. Workshop on "Multigene Engineering" InterNat'l Rice Research Institute, Los Banos, Philippines. 10-12 May. (Invited)

Srivastava V. 2009. Role of DNA Methylation in Gene Expression of Arabidopsis Phytochrome A Gene. Department of Applied Sciences, UofA, Little Rock, 06 Mar. (Invited)

Srivastava V. 2009. Site-Specific Recombination Based Plant Transformation Technologies, Syngenta Inc., Research Triangle Park, NC, 12 Jun. (Invited)

Srivastava V. 2009. Rice Transformation: Controlling Transgene Integration and Expression, Workshop on Rice Research, UofA- Little Rock, 05 Aug. (Invited)

West, C.P. 2009. Establishing and Maintaining Perennial Grass Crops for Energy. Transition to a Bioeconomy: The Role of Extension in Energy. Farm Foundation Conference, Little Rock, AR. 30 Jun.-01 Jul. (Invited)

Entomology

Avila, C., A. Lorence, W. Suza and **F. L. Goggin.** 2009. Vitamin C: A cure for the common caterpillar? Industry symposium, Eastern Branch, Entomological Society of America Meeting, Harrisburg, Pennsylvania.

Dowling, A.P.G., J. Beard and R. Ochoa. 2009. Origin and invasion routes of the red palm mite, *Raoiella indica*, and related species. Symposium Presentation, Acarological Society of America, Indianapolis, Indiana.

Goggin, F. L. 2009. Dissecting plant-aphid interactions: integration of molecular, physiological, and ecological approaches. Keynote address, Iowa State University Aphid Research Symposium, Ames, Iowa.

Goggin, F. L. 2009. Mechanisms of plant defense against insect herbivores. Seminar, Department of Applied Sciences, University of Arkansas, Little Rock, Arkansas.

Goggin, F. L. 2009. Variation in sensitivity of the potato aphid to host plant resistance in tomato. Symposium on Advances in Aphid-Plant Interactions and Biotype Development, Southwestern Branch Meeting, Entomological Society of America, Stillwater, Oklahoma.

Haavik, L. J. and **F. M. Stephen.** 2009. Update on the red oak borer in the Ouachita Mountains. USDA Forest Leadership Training Meeting. Hot Springs, Arkansas.

Johnson, D. 2009. Green June beetles: the wine makers of the insect world. Seminar, Department of Entomology, Penn State University, State College, Pennsylvania.

Johnson, D. 2009. Fruit entomology research/extension. Templeton Workshop on Understanding Fruit Diseases in Fayetteville, Arkansas.

Kring, T. J. 2009. Natural control in cotton aphid management systems: Exotic species are natural too. W1285-S1034 Regional Meeting, Invitational Symposium: *Role of Predators in Biological Control*, Portland, Oregon.

Luttrell, R. G. 2009. Tracking susceptibility of *Helicoverpa zea* to Bt toxins: progress, challenges and opportunities. Seminar, USDA-ARS Southern Insect Management Research Unit, Stoneville, Mississippi.

Luttrell, R. G., T. Kirkpatrick and D. Graham. 2009. Delivering pest management courses to off-campus students in Arkansas: An evolution of methods and possibilities. Southeastern Branch Meeting, Entomological Society of America, Montgomery, Alabama.

Luttrell, R. G. and J. Smith. 2009. Recent observations of pecan nut casebearer, pecan weevil and stink bugs in Arkansas pecans: Implications for future management systems. Arkansas Pecan Growers Association Meeting, Little Rock, Arkansas.

Luttrell, R. G., M. I. Ali, P. J. McLeod and D. C. Steinkraus. 2009. Microbial control of insects attacking agronomic crops in the South: niches for deployment in an environment of Bt transgenic crops. Biological Insect Pest Management Symposium, BASF Corporation, Solutions Center, Research Triangle Park, North Carolina.

McLeod, P. 2009. Biology and impact of thrips on cowpea. Ozark Food Producers Association - Crop Protection Association, Springdale, Arkansas.

Pallipparambil, G. R. and **F. L. Goggin.** 2009. Bring it on six leggeds: Host plant resistance and insect adaptations. Student Symposium, Insect Pests: Human and economic impacts in the southeastern United States. Southeastern Branch Meeting, Entomological Society of America, Montgomery, Alabama.

Smith, J., **R. G. Luttrell** and **R. N. Wiedenmann.** 2009. Observations of overwintering hibernacula on pecan in southwest Arkansas and northeast Texas. U. S. Pecan Scientists Meeting, Noble Foundation, Ardmore, Oklahoma.

Solorzano, C. 2009. Population genetics of *Aedes vexans* and its role in vectoring dog heartworm. Seminar, National Institute for Microbial Forensic and Food and Agricultural Biosecurity, Oklahoma State University, Stillwater, Oklahoma.

Steinkraus, D. C. 2009. Astounding stories of bees being killed and killing. Arkansas State Beekeeper's Meeting, Mountain View, Arkansas.

Stephen, F. M., M. K. Fierke, J. M. Guldin, L. J. Haavik, J. J. Riggins and J. A. Tullis. 2009. An historical perspective on red oak borer as an agent of change in Arkansas forests. International Forest Insect and Research Advisory Workshop, Breckenridge, Colorado.

Stephen, F. M., L. J. Haavik, M. K. Fierke, J. J. Riggins, L. D. Galligan and J. M. Guldin. 2009. History and dynamics of red oak borer in Arkansas. IUFRO conference "*Forest insects and environmental change,*" Jackson Hole, Wyoming.

Stephen, F. M. and R. N. Coulson. 2009. Within-tree precursors of change population change leading to outbreaks. Southern Forest Insect Work Conference, Gulfport, Mississippi.

Stephen, F. M. 2009. A short course in North American forest entomology: teaching in the Viennese Mountain Master of Forestry Program. Southern Forest Insect Work Conference, Gulfport, Mississippi.

Trout, R. T., **C. D. Steelman** and **A. L. Szalanski.** 2009. Genetic and spatial identification of *Borrelia* and *Rickettsia* pathogens from Arkansas ticks and mammals. International Conference on Diseases in Nature Communicable to Man, Fort Worth, Texas.

Trout, R. T., **C. D. Steelman,** **A. L. Szalanski,** K. L. Kvamme and P. C. Williamson. 2009. Tick-borne diseases in Arkansas animals and the potential implications toward public health. Seminar, University of Arkansas Medical School, Little Rock, Arkansas.

Wiedenmann, R. N. and S. Raghu. 2009. One person's joy is another one's sorrow: Concerns about the potential invasiveness of biofuel crops. 6th International IPM Symposium, Portland, Oregon.

Wiedenmann, R. N. 2009. The enemy of my enemy is my friend: A perspective on the future of biological control. Southeastern Branch Meeting, Entomological Society of America, Montgomery, Alabama.

Wiedenmann, R. 2009. The interplay between basic research and the applied project of biological control of purple loosestrife. Seminar, Plant Protection Research Institute, Pretoria, South Africa.

Wiedenmann, R. N. 2009. One person's joy is another one's sorrow: invasive species concerns about biofuel crops. Symposium, Annual meeting of the Entomological Society of America, Indianapolis, Indiana.

Food Science

Buescher, R.W. Research directions to improve pickle product quality. Pickle Packers International Spring Conference, April 2009, Detroit; Michigan.

Buescher, R.W. Pickle texture. Kraft-Claussen Summit, August 2009, Woodstock, Illinois.

Buescher, R.W. Influence of soluble food grade polymers to enhance hypertonicity of pickle brine on product characteristics. Pickle Packers International Annual Conference October 2009, Chicago, Illinois.

Devareddy, L. Is Rice a Functional Food? The Kellogg Company, 2009, Battle Creek, Michigan.

Hettiarachchy, N.S. The mystique and mythology of new product development. International Agricultural Products Organization. Training Course on Value Addition to Agricultural Products, July 2009, Suva, Fiji.

Hettiarachchy, N.S. Nutraceuticals & Functional Foods: What Are They? International Agricultural Products Organization. Training Course on Value Addition to Agricultural Products, July 2009, Suva, Fiji.

Hettiarachchy, N.S. Value Added Food Ingredients: From Agricultural Co-products, By-products, and Wastes. International Agricultural Products Organization. Training Course on Value Addition to Agricultural Products, July 2009, Suva, Fiji.

Hettiarachchy, N.S. Protein Functionality and value added uses. Heilongjiang Agricultural Institute, August 2009, Harbin, China.

Hettiarachchy, N.S. Value-added uses and health properties of soy proteins. Heilongjiang Agricultural Institute, August 2009, Harbin, China.

Howard, L.R. Effects of jam processing and storage on polyphenolics and antioxidant capacity of blueberries. Berry Health Benefits Symposium, June 2009, Monterey, CA.

Howard, L.R. Jam processing and storage effects on blueberry polyphenols and antioxidant capacity. Process and stress-induced changes in phytochemicals symposium, 238th American Chemical Society National Meeting, August 2009, Washington, DC.

Proctor, A. CLA-rich soy oil production and quality. 7th Euro Fed Lipid Congress, October 2009, Graz, Austria.

Ricke, S.C. Bacterial Source Identification – Merging Food Science and Water Resources, 2009 Annual Research and Watershed Conference, University of Arkansas, April 2009, Fayetteville, AR.

Ricke, S.C. Current Status and Future Prospects of Direct Fed Microbials and Prebiotics, 16th ADSA Discover Conference on Food Animal Agriculture, April 2009, Nashville, IN.

Ricke, S.C. Gastrointestinal Ecology and Control of *Salmonella* Infection in Laying Hens”, 2009 International Nutrition Conference – Dynamics in Animal Nutrition, May 2009, Zeist, The Netherlands.

Ricke, S.C. Current Concepts and Issues for Food Safety in Pasture-Raised Poultry. IFT Annual Meeting, June 2009, Anaheim, CA.

Ricke, S.C. Application of Food-Borne Pathogen Genomics in Food Safety Research. Southern Regional AHS/CARET Meeting, August 2009, Fayetteville, AR.

Ricke, S.C. *Salmonella* Pathogenesis, Genetics and Physiology. Kemin’s 5th Annual Petfood Symposium, October 2009, St. Louis, MO.

Ricke, S.C. Frequency and Characteristics of Foodborne Pathogens in Free-Range and Organic Poultry. Arkansas Association for Food Protection, Retail Food Safety – A Catalyst for Change, October 2009, Springdale, AR.

Saleh, M.I. and **T.J. Siebenmorgen.** Nighttime air temperature effects on chalk and milling quality. Gulf Coast Rice Millers and Driers, October 2009, Alvin, TX.

Siebenmorgen, T.J. A study to determine the cause of milled rice fissuring during transport. Annual Meeting of the Arkansas Drier and Warehouseman’s Assoc., February 2009, Robinsonville, MS.

Siebenmorgen, T.J. Rice fissuring research relevant to cereal processing. Kellogg Company Global Rice Conference, October 2009, Battle Creek, MI.

Siebenmorgen, T.J. Effects of nighttime air temperatures on rice kernel quality. Kellogg Company Global Rice Conference, October 2009, Battle Creek, MI.

Siebenmorgen, T.J. Rice quality assessment; importance of degree of milling. Gulf Coast Rice Millers and Driers, October 2009, Alvin, TX.

Siebenmorgen, T.J. Rice fissuring research. Louisiana Rice Mill and the LSU Rice Research Center, October 2009, Crowley, LA.

Siebenmorgen, T.J. The University of Arkansas Rice Processing Program and selected rice processing research. Faculty and students of Michigan State University, October 2009, East Lansing, MI.

Wang, Y.-J. Sustained release properties of modified starches. Carbohydrate Division Symposium "Carbohydrate-based delivery system", IFT Annual Meeting, June 2009, Anaheim, CA.

Wang, Y.-J. Structure/function relationship of starch in food applications. Starch Round Table, September 2009, Baltimore, MD.

Wang, Y.-J. and Mendez-Montealvo, G. 2009. Structure-property relationship of starch as revealed by enzymatic modification. Starch Convention, Detmold, Germany.

Plant Pathology

Bluhm B.H. 2009. Light and pathogenesis among *Cercospora*: Evidence for coordinated responses to photoperiod? Seminar presented at the Special Session: Coordinated Regulation of Fungal Development and Secondary Metabolism During Pathogenesis. American Phytopathological Society, 2009 Annual Meeting, Portland, OR. Invited.

Bluhm B.H. 2009. Dissecting Plant-Microbe Interactions Through Functional Genomics. Seminar, Department of Biology, University of Arkansas-Little Rock. Invited.

Cartwright, R.D., D. Monfort, J.C. Robinson, J.C. Rupe and P. Chen. 2009. Soybean seed quality research and education. Presentation to Arkansas Soybean Research Conference at Brinkley, AR, Dec 8, 2009. Invited.

Correll, J. C. 2009. An overview of progress on the first CSREES supported Plant Coordinated Project. RiceCAP: American Society of Agronomy Annual Mtg. November 4, 2009. Invited.

Correll, J. C. 2009. Spinach downy mildew: update, what we do not know, what is next? California Leafy Greens Research Board Stakeholder's Meeting. October 12, 2009. Invited.

Correll, J. C., Koike, S. T., and Smilde, D. 2009. Naming of Spinach downy mildew races, a case study. *Phytopathology* 99:S156. Symposium: APS – ISF Collaboration to Implement a System to Standardize Naming of Plant Pathogen Races and Strains. APS Annual Mtg. August 2, 2009. Invited.

Horevaj, P., and **Milus, E. A.** 2009. Resistance in winter wheat to *Fusarium* head blight. *Phytopathology* 99:S159. Invited.

Kirkpatrick, T. L. and D. Johnson. 2009. IPM/Disease and insect management. University of Arkansas Muscadine Shortcourse. Clarksville, AR. January 15. Invited.

Kirkpatrick, T.L. 2009. Disease management in plasticulture strawberries in the Arkansas-Oklahoma region. 28th Annual Horticulture Industries Show. Ft. Smith, AR January 16-17. Invited.

Kirkpatrick, T.L. 2009. Nematode management in soybeans, corn, and cotton in the mid-South. Mississippi State University Crop Production Shortcourse. Starkville, MS. Dec. 8-9. Invited.

Kirkpatrick, T.L. 2009. Use of biofumigants in vegetable production. 28th Annual Horticulture Industries Show. Ft. Smith, AR January 16-17, 2009. Invited.

Kirkpatrick, T.L. 2009. Nematode management in corn and soybean. Pioneer Hi-Bred International Corn and Soybean Production Meeting. Tunica, MS. Feb. 11-12. Invited.

Korth, K.L. 2009. Metabolic and genomic characterization of volatile terpene production in *Medicago truncatula*. Midwest Metabolomics Symposium, Samuel Roberts Noble Foundation, Ardmore, OK, March, 2009. Invited.

Korth, K.L. Department of Applied Science seminar, University of Arkansas-Little Rock, “A grate idea: calcium oxalate crystals as insect defense in the legume, *Medicago truncatula*”. February, 16, 2009. Invited.

Korth, K.L., S.-H.Park, P.A. Nakata, R.Nagarajan, R.E. McGehee, Jr. 2009. Physical characteristics of *Medicago truncatula* calcium oxalate crystals determine their effectiveness in insect defense. Model Legume Congress, Asilomar, CA, June, 2009. Invited.

Korth, K.L. 2009. Physical characteristics of calcium oxalate crystals as determinants in structural defense against chewing insects in *Medicago truncatula*. XIV International Congress of Molecular Plant Microbe Interactions, Quebec City, Canada July, 2009 Invited.

Milus, E. A. 2009. Comparison of old and new strains of *Puccinia striiformis* f. sp. *tritici* for ability to initiate epidemics from overwintering infections and for ability to infect at high temperature. Page 21 in: Proceedings of the 12th International Cereal Rusts and Powdery Mildews Conference. Antalya, Turkey. Invited.

Milus, E. A. 2009. Resistance in wheat to barley yellow dwarf. Page 4 in: Proceedings of the 2009 Eastern Wheat Workers / Southern Small Grain Workers / NCERA-184 Conference. Baltimore, MD. Invited.

Milus, E. A. 2009. Resistance in wheat to barley yellow dwarf. Page 4 in: Proceedings of the 2009 Eastern Wheat Workers / Southern Small Grain Workers / NCERA-184 Conference. Baltimore, MD. Invited.

Milus, E. A. 2009. Wheat rusts: Current and future threats. Invited presentation at the Mid-Atlantic Crop Management School. Ocean City, MD, 17 November 2009. Invited.

Milus, E. A. and Sthapit, J. 2009. Characterization of adult-plant resistance in soft red winter wheat to stripe rust. Page 51 in: Proceedings of the 12th International Cereal Rusts and Powdery Mildews Conference. Antalya, Turkey. Invited.

Milus, E.A. and Sthapit, J. 2009. Adult-plant resistance effective against new strain of wheat stripe rust. Page 19 in: Proceedings of the 4th Yellow Rust Conference for Central and West Asia and North Africa. Antalya, Turkey. Invited.

Monfort, S. 2009. "Impact of Tillage and nematodes on cotton yield." Belt-wide Cotton Conference, San Antonio, TX 1/6/2009 (Invited).

Navia-Giné, W.G., Gomez, S.K., Yuan, J., Chen, F., & **Korth, K.L.** (2009) Insect-induced gene expression at the core of volatile terpene release in *Medicago truncatula*. *Plant Signaling and Behavior*. 4: 636-638 (Invited Review).

Poultry Science

Anthony, N.B., Poultry Selection and breeding practices. Macfarlane Pheasant Farms, Janesville, Wisconsin. (Invited presentation)

Anthony, N.B., Update of Midwest Poultry Grant: Determining the Proper Rearing Density for Meat Type Pheasants. Macfarlane Pheasant Farms, Janesville, Wisconsin. (Invited presentation)

Anthony, N.B., Cobb Vantress: RAC project review (Mating behavior of broiler breeder males). (Invited presentation)

Anthony, N.B., Cobb Vantress: Participated in corporate R&D Meeting. (Invited presentation)

Anthony, N.B., Cobb Vantress: SNP typing of ascites susceptible and resistant broilers. (Invited presentation)

Bramwell, R. K., On-farm Hatching Egg Management presented at the Latin American Jamesway Hatchery Management Workshop, Bogata, Columbia, April 20-25, 2009. (Invited presentation)

Bramwell, R. K., Effects of Carbon Dioxide on Embryo Development and Incubation, presented at the Latin American Jamesway Hatchery Management Workshop, Bogata, Columbia, April 20-25, 2009. (Invited presentation)

Bramwell, R. K., Effects of Carbon Dioxide on Embryo Development and Incubation, presented at the Jamesway Hatchery Management Workshop, Harrisburg, Pennsylvania, September 22-24, 2009. (Invited presentation)

Bramwell, R. K., Effects of Carbon Dioxide on Embryo Development and Incubation, presented at the Jamesway Hatchery Management Workshop, Fayetteville, Arkansas, October 14, 2009. (Invited presentation)

Bramwell, R. K., Effects of Carbon Dioxide on Embryo Development and Incubation, presented at the Jamesway Hatchery Management Workshop, Vancouver, Canada, November 17-19, 2009. (Invited presentation)

Coon, C. 2009. The digestible ideal amino acid requirements of broilers, layers, and broiler breeders. United Soybean Board and International Marketing Conference. Maracai, Venezuela. January 15. *Invited*

Coon, C. 2009. Commercial laying hen nutrition and management. United Soybean Board and International Marketing Conference. Maracai, Venezuela. January 16. *Invited*

Coon, C. 2009. Nutrition and management of broiler breeders. American Soybean Association Seminars. Cairo, Egypt. May 18. *Invited*

Coon, C. 2009. Feeding strategies for the modern broiler. American Soybean Association Seminars. Cairo, Egypt. May 19. *Invited*

Coon, C. 2009. The effect of broiler breeder nutrition on nutrient transfer to egg and progeny. American Soybean Association Seminars. Cairo, Egypt. May 20. *Invited*

Coon, C. 2009. Nutrition and management of broiler breeders. American Soybean Association Seminars. Izmir, Turkey. May 21. *Invited*

Coon, C. 2009. Feeding strategies for the modern broiler. American Soybean Association Seminars. Izmir, Turkey. May 22. *Invited*

Coon, C. 2009. The effect of broiler breeder nutrition on nutrient transfer to egg and progeny. American Soybean Association Seminars. Izmir, Turkey. May 23. *Invited*

Coon, C. 2009. Digestible amino acid requirements and Ideal amino acid profiles for broilers and broiler breeders. American Soybean Association International Marketing. Queretaro, Mexico. June 4. *Invited*

Coon, C. 2009. Digestible amino acid requirements and Ideal amino acid profiles for broilers and commercial layers. American Soybean Association International Marketing. San Jose, Costa Rica. July 2. *Invited*

Coon, C. 2009. Maximizing energy utilization for poultry: Management practices. Cursos Regionales en Production Animal. RAPCO. American Soybean Association International Marketing and United Soybean Board. Atena, Costa Rica. August 10. *Invited*

Coon, C. 2009. Nutrient requirements of the commercial laying hen. Cursos Regionales en Production Animal. RAPCO. American Soybean Association International Marketing and United Soybean Board. Atena, Costa Rica. August 12. *Invited*

C.N. Coon. 2009. Phosphorus Retention: Ca: P ratio, calcium particle size, and phytase for poultry. Cursos Regionales en Production Animal. RAPCO. American Soybean Association International Marketing and United Soybean Board. Atena, Costa Rica. August 13. *Invited*

C.N. Coon, 2009. The ideal amino acid profile and digestible amino acid requirements for broilers, layers, and broiler breeders. Cursos Regionales en Production Animal. RAPCO. American Soybean Association International Marketing and United Soybean Board. Atena, Costa Rica. August 14. *Invited*

Ekmay, R.D. and **C. Coon.** 2009. The effects of reduced NPP levels and limestone particle size on production, skeletal integrity, progeny quality and P balance in broiler breeder hens. Short Communications. Page 189 *In: Proceedings and abstracts of the 17th European Symposium on Poultry Nutrition.* Edinburgh Scotland..WPSA European Federation, UK Branch. August 26. *Invited to give Short Communication.*

Ekmay, R.D. and **C.N. Coon.** 2009. Phosphorus requirement for broiler breeder hens. Proceedings of Arkansas Nutrition Conference. P1-16. Poultry Federation. Rogers, Arkansas September 9. *Invited*

C. Coon. 2009. Maximizing energy utilization for poultry. African Feed Manufacturers Association. Pretoria, South Africa. October 6. *Invited*

C. N. Coon, R. Ekmay and M. K. Manangi. 2009.. Phosphorus Retention: Ca: P ratio, calcium particle size, bone remodeling, skeletal integrity of breeder and progeny and phytase for poultry. World's Poultry Science Association.. South African Branch. Pretoria, South Africa. October 8. *Invited*

Coon, C. 2009. Maximizing energy utilization for poultry. Nutrition and management practices. Pages 1-22 *In: Proceedings for the Novus/ASAIM Layer and Breeder Nutrition Symposium.* Guangde, China. October 15. *Invited*

Coon, C. 2009. Maximizing energy utilization for poultry. Nutrition and management practices. Pages 1-22 *In: Proceedings for the Novus/ASAIM Layer and Breeder Nutrition Symposium.* Beijing, China. October 17. *Invited*

Coon, Craig Marc de Beer, Megharaja Manangi, Jianwei Lu, Martha Reyes, Keith Bramwell, Jin Mei Sun, Nilva Sakomura, Bob Rosebrough, Mark Richards, and John McMurtry. 2009. Broiler breeder nutrition. Pages 1-24 *In: Proceedings for the Novus/ASAIM Layer and Breeder Nutrition Symposium*. Beijing, China. October 17. *Invited*.

C. N. Coon, R. Ekmay and M. K. Manangi. 2009. Phosphorus Retention: Ca: P ratio, calcium particle size, bone remodeling, skeletal integrity of breeder and progeny and phytase for poultry. Pages 1-30 *In: Proceedings for the Novus/ASAIM Layer and Breeder Nutrition Symposium*. Beijing, China. October 18. *Invited*

Coon, Craig, Marc de Beer, Megharaja Manangi, Jianwei Lu, Martha Reyes, Keith Bramwell, Jin Mei Sun, Nilva Sakomura, Bob Rosebrough, Mark Richards, and John McMurtry. 2009. Broiler breeder nutrition. Pages 1-24 *In: Proceedings for the Novus/ASAIM Layer and Breeder Nutrition Symposium*. Tianjin, China. October 20. *Invited*.

Coon, C. 2009. Maximizing energy utilization for poultry. Nutrition and management practices. Pages 1-22 *In: Proceedings for the Novus/ASAIM Layer and Breeder Nutrition Symposium*. Tianjin, China. October 20. *Invited*

Coon, Craig, Marc de Beer, Megharaja Manangi, Jianwei Lu, Martha Reyes, Keith Bramwell, Jin Mei Sun, Nilva Sakomura, Bob Rosebrough, Mark Richards, and John McMurtry. 2009. Broiler breeder nutrition. Pages 1-24 *In: Proceedings for the Novus/ASAIM Layer and Breeder Nutrition Symposium*. Qingdao, China. October 22. *Invited*

C. N. Coon, R. Ekmay and M. K. Manangi. 2009. Phosphorus Retention: Ca: P ratio, calcium particle size, bone remodeling, skeletal integrity of breeder and progeny and phytase for poultry. Pages 1-30 *In: Proceedings for the Novus/ASAIM Layer and Breeder Nutrition Symposium*. Qingdao, China. October 22. *Invited*

Coon, Craig, Marc de Beer, Megharaja Manangi, Jianwei Lu, Martha Reyes, Keith Bramwell, Jin Mei Sun, Nilva Sakomura, Bob Rosebrough, Mark Richards, and John McMurtry. 2009. Broiler breeder nutrition. Pages 1-24 *In: Proceedings for the Novus/ASAIM Layer and Breeder Nutrition Symposium*. Chengdu, China. October 23. *Invited*

C. N. Coon, R. Ekmay and M. K. Manangi. 2009. Phosphorus Retention: Ca: P ratio, calcium particle size, bone remodeling, skeletal integrity of breeder and progeny and phytase for poultry. Pages 1-30 *In: Proceedings for the Novus/ASAIM Layer and Breeder Nutrition Symposium*. Chengdu, China. October 23. *Invited*

Coon, Craig, Marc de Beer, Megharaja Manangi, Jianwei Lu, Martha Reyes, Keith Bramwell, Jin Mei Sun, Nilva Sakomura, Bob Rosebrough, Mark Richards, and John McMurtry. 2009. Broiler breeder nutrition. Pages 1-24 *In: Proceedings for the Novus/ASAIM Layer and Breeder Nutrition Symposium*. Jinan, China. October 23. *Invited*

C. N. Coon, R. Ekmay and M. K. Manangi. 2009. Phosphorus Retention: Ca: P ratio, calcium particle size, bone remodeling, skeletal integrity of breeder and progeny and phytase for poultry. Pages 1-30 *In: Proceedings for the Novus/ASAAM Layer and Breeder Nutrition Symposium.* Jinan, China. October 23. *Invited*

C. N. Coon, R. Ekmay and M. K. Manangi. 2009. Phosphorus Retention: Ca: P ratio, calcium particle size, bone remodeling, skeletal integrity of breeder and progeny and phytase for poultry. Pages 1-30 *In: Proceedings for the XIV Asociación Mexicana de Especialistas en Nutrición Animal (Mexican Association of Animal Nutrition Specialists (AMENA)).* Puerto Vallarta, Mexico. October 29. *Invited*

Coon, Craig. 2009. The ideal amino acid profile and digestible amino acid requirements for broilers, layers, and breeders. Pages 1-41 *In: Proceedings for the 7th Technical Broiler Nutrition Conference.* Grand Fields. Al Ain. United Arab Emirates. November 4. *Invited*

Hargis, B., The State of the Art for Probiotic and Direct Fed Microbial Research in Poultry. Asian VIV Meeting, Bangkok Thailand, March 10, 2009, Approximately 200 in attendance, consisting of poultry producers, poultry scientists, and veterinarians. (Invited Presentation)

Hargis, B., Current Research on Direct Fed Microbials and Vectored Vaccine Technology, Korytsu Corporation, Tokyo. (Invited Presentation)

Hargis, B., Probiotics and Bacterial Vectors for Vaccines, Current Research Strategies and Recent Developments. Department of Animal Science, Ohio State University, Columbus, Ohio. April 15, 2009. (Invited Presentation)

Hargis, B., Mechanisms and Magic of Effective Probiotics (DFMs) for Poultry. 2010 Discover Conference, Nashville Indiana. Approximately 300 participants. April 22, 2009. (Invited Presentation)

Hargis, B., Discovery of the Etiology and Methods for Prevention of Turkey Cellulitis. Missouri Turkey Health Workshop. Springfield, MO (organized by Jeff Firman). April 30, 2009. (Invited Presentation)

Hargis, B., Anatomy, Physiology and Infectious Diseases. Presented to the Fayetteville High School Biology Group. May 6, 2009. (Invited Lecture)

Hargis, B., Poultry Health Research at the University of Arkansas, Berlin Free University. May 29, 2009. (Invited Presentation)

Hargis, B., Turkey Cellulitis: Etiology and Immunoprophylaxis. 5th International Symposium on Turkey Production. Berlin, Germany. Approximately 300 in attendance. June 1, 2009. (Invited Presentation)

Hargis, B., Impact and Methods for Antemortem Control of Food Borne Pathogens in Poultry. International Food Protection Meeting, Dallas, TX. May 14, 2009. Approximately 80 in attendance for presentation. (Invited Presentation)

Hargis, B., Current Research Efforts at the University of Arkansas Center of Excellence for Poultry Science, Poultry Health Laboratory. Selected members of the interstate Agricultural Workers Conference organized from Dr. Milo Shult's office at the University of Arkansas. August 2, 2009. (Invited Presentation)

Hargis, B., Current Research on Control of Cellulitis in Turkeys. Presented to Cargill Turkey Division Leadership Committee, Springdale, Arkansas. August 28, 2009. (Invited Presentation)

Hargis, B., Update on Probiotic Research and Field Reports. Korytsu Corp., Tokyo, Japan. December 11, 2009. (Invited Presentation)

Hargis, B., probiotic and Direct Fed Microbial Research at the University of Arkansas Poultry Health Laboratory. Tawain Agricultural University. December 16, 2009. (Invited Presentation)

Hargis, B., Probiotic and Direct Fed Microbial Research at the University of Arkansas Poultry Health Laboratory. Tawain National University. December 14, 2009. (Invited Presentation)

Hargis, B., probiotic and Direct Fed Microbial Research at the University of Arkansas Poultry Health Laboratory. More Standing Limited Poultry Industry Meeting, Taiwan. December 15, 2009. (Invited Presentation)

Kuenzel, W.J. and A. Jurkevich. 2009. Molecular neuroendocrine events during stress in poultry. Poultry Sci. 88(Suppl 1):3. An invited presentation as part of the Keynote Symposium at the annual Poultry Science meeting entitled , Tomorrow's Poultry: Genomics, Physiology, and Well-being.

Li, Y., R. Wang, K. Lassiter, B. Hargis, S Tung, L. Berghman, and W. Bottje. 2009. A portable impedance biosensor for rapid detection of avian influenza virus in poultry swab samples. *Invited presentation* at the 1st Sino-Germany Cooperation Symposium on Advanced Sensing Technology for Precision Agriculture, October 10-14, 2009, Beijing, China.

Li, Y. 2009. Biosensor technologies and their applications in agriculture, food, and environment. *Invited presentation* at Joint International Agricultural Conference, October 14-17, 2009, Beijing, China.

Li, Y. 2009. A portable impedance biosensor for rapid, specific and sensitive detection of avian influenza virus in poultry swab samples. *Invited presentation* at South China Agricultural University, January 16, 2009, Guangzhou, China.

Li, Y. 2009. A portable impedance biosensor for rapid, specific and sensitive detection of avian influenza virus in poultry swab samples. *Invited presentation* at China Agricultural University, January 15, 2009, Beijing, China.

Owens, C.M. 2009. Innovations in Poultry Processing. XVI Ciclo Internacional de Conferencias en Avicultura, Cordoba, Veracruz, Mexico (*Invited*)

OTHER LECTURES, PAPERS, AND ORAL PRESENTATIONS:

Agricultural Economics and Agribusiness

Ahrendsen, Bruce L., and Bruce L. Dixon. 2009. "Accessing Individual Records Remotely: A Study of FSA Loan Targeting." In the organized symposium "Looking Back to Move Forward: The Census of Agriculture." Presented at the Agricultural & Applied Economics Association annual meetings, Milwaukee, Wisconsin, July 26-28.

Akaichi, F., J. Gil, and R. M. Nayga, Jr. 2009. "Demand Reduction in Multi-Unit Auctions with Varying Number of Bidders and Units: Evidence from Homegrown Value Auction Experiments." Department of Economics, University of Arkansas, Fayetteville, AR, November 13.

Akaichi, F., J. Gil, and R. M. Nayga, Jr. 2009. "A Note on Bid Affiliation in Repeated Random Nth Price Auction." Agricultural and Applied Economics Association Meeting, Milwaukee, Wisconsin, July 26-28.

Akaichi, F., J. Gil, and R. M. Nayga, Jr. 2009. "Demand Reduction in Multi-Unit Auctions with Varying Number of Bidders and Units." EAAE Workshop on Valuation Methods in Agro-Food and Environmental Economics, Barcelona, Spain, July 2-3.

Akaichi, F., J. Gil, and R. M. Nayga, Jr. 2009. "Demand Reduction in Multi-Unit Auctions with Varying Number of Bidders and Units: Evidence from Homegrown Value Auction Experiments." Department of Economics, University of Arkansas, Fayetteville, AR, November 13.

Atsbeha, D., R. M. Nayga, Jr. and K. Rickertsen. 2009. "Extended Durations of Breastfeeding and Child Health: Evidence from Rural Ethiopia." NFU Development Studies Conference, University of Agder, Norway, November 23-24.

Campbell, B., R. M. Nayga, Jr., A. Silva, and J. Park. 2009. "Do the National School Lunch and School Breakfast Programs Improve Children's Dietary Quality?" Agricultural and Applied Economics Association Meeting, Milwaukee, Wisconsin, July 26-28.

Canavari, M., R. M. Nayga, Jr., R. Scarpa, and F. Tiselli. 2009. "Italian Consumer Acceptance of Nutritionally Enhanced GM Food." International Association of Agricultural Economists, Beijing, China, August 16-22.

Dean, W., W. McIntosh, J. Anding, K. Kubena, and **R. M. Nayga, Jr.** 2009. "Much Depends on Breakfast, but on What Does Breakfast Depend? The Differential Role of Parenting Practices and Parenting Style in Predicting the Frequency of Children's Breakfast Eating." Rural Sociological Society Meeting, Madison, Wisconsin, August 1-2.

Drichoutis, A., P. Lazaridis, and **R. M. Nayga, Jr.** 2009. "Obesity and Food Expenditures among Elderly Europeans: A Simultaneous Equation Approach." 113th European Association of Agricultural Economists Seminar, Crete, Greece, September 3-6.

Drichoutis, A., **R. M. Nayga, Jr.** and P. Lazaridis. 2009. "Testing for Bid Affiliation in Repeated Second-Price Auctions with Posted Prices." EAAE Workshop on Valuation Methods in Agro-Food and Environmental Economics, Barcelona, Spain, July 2-3.

Drichoutis, A., **R. M. Nayga, Jr.**, and P. Lazaridis 2009. "Can Nutritional Label Use Reduce Obesity: An Analysis Using Propensity Score Matching." Invited Paper Session, International Association of Agricultural Economists' Congress, Beijing, China, August 16-22.

Dunn, R., A. Tan, and **R. M. Nayga, Jr.** 2009. "The Predictive Value of Various Anthropomorphic Measures of Obesity." International Health Economics Association Congress, Beijing, China, July 12-15.

Dunn, R., **R. M. Nayga, Jr.**, and J. Sharkey,. 2009. "Calculating a Store-Level Price Index for Fresh Fruits and Vegetables: Comparing the Thrifty Food Basket with an Index that Accounts for Substitution." Department of Economics, University of Arkansas, Fayetteville, Arkansas, February 19.

Gracia, A., M. Loureiro, and **R. M. Nayga, Jr.** 2009. "Do Consumers Value Animal Welfare Products?" EAAE Workshop on Valuation Methods in Agro-Food and Environmental Economics, Barcelona, Spain, July 2-3.

Griffin, Terry and **Diana Danforth.** 2009. "Meta-analytic Analysis of the COTMAN Program." Presented at the Beltwide Cotton Conference San Antonio, TX January.

Griffin, T. and **B. Watkins.** 2009. "Farm Management Trends Based on USDA-ARMS Data." Presented at the 2009 Delta States Farm Managers Group Meeting, Tara Wildlife, Vicksburg, Mississippi, May 27-29.

Hignight, J., T. Griffin, **B. Watkins**, C. Wilson, Jr., S. Runsick, and R. Mazzanti. 2009. "Utilizing Observed Data for Farm Management Decision Making: Yield Potential by Planting Dates Based on Rice Verification Program." Presented at the Arkansas Crop Protection Association Conference, Fayetteville, Arkansas, November 30-December 1.

Hignight, J., **B. Watkins**, and M. Anders. 2009. "Risk and Profits: Comparing Tillage and Rotation." Presented at the 2009 Rice Research & Extension Center Field Day, Stuttgart, Arkansas, August 12.

Kyureghian, G., O. Capps, Jr., and **R. M. Nayga, Jr.** 2009. "A Missing Variable Imputation Methodology: Prototype Food Prices Database for Use with NHANES Dietary Intake Data." Western Agricultural Economics Association Annual Conference, Kauai, Hawaii, June 24-26.

Landerito, A. O., B. L. Dixon, B. L. Ahrendsen, S. J. Hamm, and D. M. Danforth. 2009. "Analyzing FSA Direct Loan Borrower Payback Histories: Predictors of Financial Improvement and Loan Servicing Action." Selected paper presented at the Agricultural & Applied Economics Association annual meetings, Milwaukee, Wisconsin, July 26-28.

Lotade, J., R. Dunn, **R. M. Nayga, Jr.** and R. Sharkey. 2009. "Determinants of Access to Healthy Food in the Rural Communities." Agricultural and Applied Economics Association Meeting, Milwaukee, Wisconsin, July 26-28.

Loureiro, M., S. Yen, and **R. M. Nayga, Jr.** 2009. "The Effects of Nutritional Label Use on Obesity." Taiwan Economic Association-Chinese Economist Association in North America Conference, Taipei, Taiwan, December 19.

Loureiro, M., A. Gracia, and **R. M. Nayga, Jr.** 2009. "Valuing Animal Welfare Labels with Experimental Auctions: What Do We Learn from Consumers." International Association of Agricultural Economists, Beijing, China, August 16-22.

Loureiro, M., A. Gracia, and **R. M. Nayga, Jr.** 2009. "Do Experimental Auction Estimates for Quasi-Public Goods Pass the Scope Test?" EAAE Workshop on Valuation Methods in Agro-Food and Environmental Economics, Barcelona, Spain, July 2-3.

Lowenberg-DeBoer, J. and **Terry Griffin.** 2009. "FutureFarm and the Future of Precision Agriculture in Europe." Presented at the Future Farm session of the European Conference on Precision Agriculture.

Luo, J., D. Mainville, W. You, and **R. M. Nayga, Jr.** 2009. "Examination of the Taste and Visual Influences on Hispanic Consumers Preferences and Willingness to Pay." Agricultural and Applied Economics Association Meeting, Milwaukee, Wisconsin, July 26-28.

Luo, J., D. Mainville, W. You, and **R. M. Nayga, Jr.** 2009. "Hispanic Consumers' Preferences and Willingness to Pay for Pasture Fed Beef in Virginia." Agricultural and Applied Economics Association Meeting, Milwaukee, Wisconsin, July 26-28.

Luo, J., W. You, D. Mainville, and **R. M. Nayga, Jr.** 2009. "Hispanic Consumers' Preferences and Willingness to Pay for Pasture Fed Beef in Virginia." International Food and Agribusiness Management Association Congress, Budapest, Hungary, June 20-23.

Mane, Ranjit. Daniel V. Rainey, and Biswaranjan Das. 2009. "Bio-Diesel Industry in Arkansas: Re-assessing the Statewide Economic Impact." Paper presented at the Mid-Continent Regional Science Association Annual Meetings. Milwaukee, WI, May.

Matlock, M. and **L. Nalley**. 2009. "Methods of Measuring Agricultural Sustainability: Cotton Greenhouse Gas LCA." Presented at the Monsanto Corporation Sustainability Conference, St. Louis, Missouri. July 27.

Matlock, M. and **L. Nalley**. 2009. "Agricultural Sustainability Metrics." Invited presentation at the Sustainable Actions for a Sustainable Future Conference, Missouri State University, Springfield, Missouri. April 23.

Matlock, M. and **L. Nalley**. 2009. "Agricultural Production Challenges for a Sustainable Planet." Invited seminar at the MARS Corporation Sustainability Pod Meetings, McLean, Virginia, September 28.

Matlock, M., **L. Nalley**, Z. Niederman, and G. Thoma. 2009. "Metrics for Sustainable Supply Chains: LCIs to inform LCAs." Invited presentation at the World Resources Institute Program for Corporate Ecosystem Services Management, CCE, Atlanta, Georgia. October 7.

McFadden, Brandon R., Bruce L. Dixon, Bruce L. Ahrendsen, Diana M. Danforth, and Sandy H. Martini. 2009. "Impact of Time to Default and Post Origination Events on FSA Direct Loan Losses." Selected paper presented at the Regional Research Committee NC-1177 Agricultural and Rural Finance Markets in Transition annual meeting, Federal Reserve Bank of Chicago, IL, October 1-2.

Miller, Wayne. 2009. "Interlocal Agreements." Cooperative Extension Service, University of Arkansas – Division of Agriculture. FSPPC110-PD-4-09N, April.

Miller, Wayne and Brenda Throckmorton. 2009. "Economic Contribution of Drew Memorial Hospital 2009." Cooperative Extension Service, University of Arkansas – Division of Agriculture. August.

Miller, Wayne and Brenda Throckmorton. 2009. "Economic Contributions of Baptist Health 2009." Cooperative Extension Service, University of Arkansas – Division of Agriculture. September.

Moser, A., S. Chen, and **R. M. Nayga, Jr.** 2009. "The Effect of Maternal Employment on Time Use of Mothers and Their Children." 31st Conference of the International Association for Time Use Research, Leuphana University Luneberg, Germany, September 23-25.

Moser, A., S. Chen, and **R. M. Nayga, Jr.** 2009. "Mothers Work, Time Spent with Children, and How Children Spend their Time." 8th International Conference on Health Economics, Management and Policy, Athens, Greece, July 1-2.

Nalley, Lanier. 2009. "From Farm Gate to Consumers Plate: The Impact of Potential Carbon Policies on U.S. Agriculture." Invited Seminar at the Cotton Economics Research Institute's annual research and outreach meeting. Lubbock, Texas. April 1

Nalley, Lanier and Mike Popp. 2009. “How Potential Carbon Policies Could Alter Cropping Patterns and Profitability in the Arkansas Delta.” Invited Seminar at the United States Department of Agriculture Research Service, Dale Bumpers National Rice Research Center Stuttgart, Arkansas. June 22.

Nalley, L., M. Matlock, and Z. Niederman. 2009. “Life Cycle Assessment and Its Implications in The Carbon Market.” Invited Seminar Texas Tech University, Department of Agricultural and Applied Economics. January 23.

Nalley, L., Z. Niederman, K. Brye, and M. Matlock. 2009. “Establishing a Methodology for Net Carbon Emissions in Cotton Production in the United States.” Invited Seminar at Cotton Incorporated. Cary, North Carolina. August 17.

Nalley, L and M. Matlock. 2009. “Greenhouse Gas Life Cycle Analysis in Cotton.” Presentation at the Keystone Alliance: Field to Market Whole Systems Meeting, Washington, DC. May 7.

Nalley, L. L., A. Barkley, **B. Watkins,** and J. Hignight. 2009. “Enhancing Farm Profitability through Portfolio Analysis: The Case of Spatial Rice Variety Selection.” Selected Paper Presented at the 2009 Southern Agricultural Economics Association Annual Meeting, January 31-February 3, Atlanta, Georgia.

Nalley, L., Z. Niederman, **M. Popp,** and M. Matlock. 2009. “Establishing Value in a Carbon Counting World: How Carbon Could Effect US Agricultural Production.” Invited Seminar at the Texas Agricultural Cooperative Council (TACC) annual meetings. Ruidoso, New Mexico. July - 8-10.

Nalley, L., M. Popp, and K. Brye. 2009. “Carbon Sequestration Potential: Can Arkansas Producers Benefit from Carbon Offsets?” Presented to the 2009 Rice Research and Extension Center field day, Stuttgart, Arkansas, August, 12.

Nayga Jr., R. M., D. Depositario, Y. Zhang, and R. D. Mariano. 2009. “The Influence of Participation Fee on Bidding Behavior in 2nd Price and Random Nth Price Auctions.” Philippine Agricultural Economics and Development Association Conference, Manila, Philippines, October 22-23.

Nayga Jr., R. M. 2009. “Consumer Responses to Nutrition Labeling in the US and EU: What Have We Learned and Future Directions.” Agricultural and Applied Economics Association Meeting, Milwaukee, Wisconsin, July 26-28.

Nayga Jr., R. M. 2009. “Consumers’ Willingness to Pay for Nutritional Labels.” Invited Lecture, International Centre for Advanced Mediterranean Agronomic Studies (CIHEAM), Zaragoza, Spain, December 18.

- Nayga Jr., R. M.** 2009. "Foods for Health." Invited Lecture, International Centre for Advanced Mediterranean Agronomic Studies (CIHEAM), Zaragoza, Spain, December 17.
- Nayga Jr., R. M.** 2009. "Collective Models of Household Behavior." Invited Lecture, International Centre for Advanced Mediterranean Agronomic Studies (CIHEAM), Zaragoza, Spain, December 16.
- Nayga Jr., R. M.** 2009. "Neoclassical Economic Theory and Extensions." Invited Lecture, International Centre for Advanced Mediterranean Agronomic Studies (CIHEAM), Zaragoza, Spain, December 15.
- Nayga Jr., R. M.** 2009. "Consumer Behavior." Invited Lecture, International Centre for Advanced Mediterranean Agronomic Studies (CIHEAM), Zaragoza, Spain, December 14.
- Nayga Jr., R. M.** 2009. "Nutritional Label Use and Obesity." Department of Agricultural and Applied Economics, Virginia Tech University, Blacksburg, Virginia, October 23.
- Nayga Jr., R. M.** 2009. "Nutritional Labeling, Dietary Behavior, and Obesity", L.L.M. Program, School of Law, University of Arkansas, Fayetteville, Arkansas, October 2.
- Nayga Jr., R. M.** 2009. "Can Nutritional Label Use Really Influence Body Weight Outcomes?" Department of Agricultural Economics and Rural Sociology, University of Idaho, Moscow, Idaho, September 25.
- Nayga Jr., R. M.** 2009. "Nutrition and Health: Policies and Research Challenges." University of Zagreb, Croatia, June 24.
- Nayga Jr., R. M.** 2009. "Can Nutritional Label Use Influence Body Weight Outcomes?" Norwegian Agricultural Economics Research Institute, Oslo, Norway, May 6.
- Nayga Jr., R. M.** 2009. "Food Industry Market Issues and Trends: Domestic and International Dimensions." Walton College of Business, University of Arkansas, Fayetteville, Arkansas, March 25.
- Nayga Jr., R. M.** 2009. "Nutritional Label Use and Obesity." Department of Agricultural and Applied Economics, Virginia Tech University, Blacksburg, Virginia, October 23.
- Nayga Jr., R. M.** 2009. "Nutritional Labeling, Dietary Behavior, and Obesity." L.L.M. Program, School of Law, University of Arkansas, Fayetteville, Arkansas, October 2.
- Nayga Jr., R. M.** 2009. "Can Nutritional Label Use Really Influence Body Weight Outcomes?" Department of Agricultural Economics and Rural Sociology, University of Idaho, Moscow, Idaho, September 25.
- Nayga Jr., R. M.** 2009. "Nutrition and Health: Policies and Research Challenges." University of Zagreb, Croatia, June 24.

- Nayga Jr., R. M.** 2009. “Can Nutritional Label Use Influence Body Weight Outcomes?” Norwegian Agricultural Economics Research Institute, Oslo, Norway, May 6.
- Nayga Jr., R. M.** 2009. “Food Industry Market Issues and Trends: Domestic and International Dimensions.” Walton College of Business, University of Arkansas, Fayetteville, Arkansas, March 25.
- Nayga Jr., R. M.** 2009. “Assessing the Market for Foods for Health.” EU ATHENS Program, Technical University of Madrid, Spain, March 18.
- Nayga Jr., R. M.** 2009. “Consumer Acceptance of Irradiated Food Products.” EU ATHENS Program, Technical University of Madrid, Spain, March 17.
- Nayga Jr., R. M.** 2009. “Issues in Food Quality Management” Master in Food Quality Management Program, Technical University of Madrid, Spain, March 16.
- Nayga Jr., R. M.** 2009. “Consumers’ Willingness to Pay for Nutritional Labels in Europe.” EU ATHENS Program, Technical University of Madrid, Spain, March 13.
- Nayga Jr., R. M.** 2009. “Consumer Acceptance and Willingness to Pay for Irradiated Foods: A Non-hypothetical Economic Experiment.” Department of Food Science, University of Arkansas, Fayetteville, Arkansas, February 16.
- Power, G. J., **M. Thomsen, A. McKenzie**, and D. Vedenov. 2009. “The Effect of Food Scares on Risk Aversion: Implied Estimates from BSE Shocks on Cattle Futures Options.” Presentation at the SCC-76: Economics and Management of Risk in Agriculture and Natural Resources Meeting, Galveston, TX, March 19-21.
- Rainey, Daniel V.** 2009. “Economic Impact of Miss Arkansas Pageant on Garland County” Final Report to the Miss Arkansas Pageant Inc. September 21.
- Rainey, Daniel V.**, Stacey McCullough, and **Biswa R. Das.** 2009. “Agritourism Development in Arkansas: Economics & Associated Constraints” Final Report to the Public Policy Center, University of Arkansas Cooperative Extension Service. December 31.
- Schroeter, C., **R. M. Nayga, Jr.**, and X. Wu. 2009. “Nutritional Label Usage and Diet Quality.” Agricultural and Applied Economics Association Meeting, Milwaukee, Wisconsin, July 26-28.
- Stark, Jr., C. Robert.** 2009. “Economic Impact of Herbicide Resistance” Oral Presentation, NEREC Field Day, Keiser, AR, August 5.
- Stark, C. Robert.** 2009. “Economics Section.” *Soybean Notes*, Cooperative Extension Service, University of Arkansas – Division of Agriculture. Thirty different dates found at the following: http://www.uaex.edu/depts/ag_economics/publications/soybean_news/2009.htm

Stiles, H. S. and K. B. Watkins. “2009 Crop Production Costs.” Presented at the Riceland Foods Inc. Board of Directors Annual Planning Meeting, Little Rock, Arkansas, January 14 (Invited Presentation).

Tan, A., S. Yen, and **R. M. Nayga, Jr.** 2009. “Role of Education in Cigarette Smoking.” Western Economics Association International Conference, Vancouver, Canada, June 29.

Thomsen, Michael R., Andrew McKenzie and Gabriel J. Power. 2009. “Volatility Surface and Skewness in Live Cattle Futures Price Distributions with Application to North American BSE Announcements.” Selected Paper presented at the Agricultural & Applied Economics Association 2009 AAEA & ACCI Joint Annual Meeting, Milwaukee, Wisconsin, July 26-29.

Wailes, Eric. 2009. “The Financial Crisis and Implications for Rice Food Security.” Presentation at Mini-symposium at 2009 IAAE Conference, Beijing, *Changing rice plicy landscape in the context of global agriculture.* (Invited presentation).

Wailes, Eric. 2009. “Development of Sustainable Local Food Supply Chains for Agritourism in the U.S. Virgin Islands.” Presented at the 2009 National Extension Tourism Conference. Presentation available at:
<http://www.rpts.tamu.edu/tce/NET/net2009/NET2009Presentations/CS1-A-2%20Wailes%20NET%202009.pdf>

Wailes, Eric. 2009. “Improving Local Food Supply Chains for the Tourism Sector in the U.S. Virgin Islands.” Presentation at the 28th West Indies Agricultural Economics Conference, Barbados, West.

Wailes, Eric and **Eddie Chavez.** 2009. “The 2010 FAPRI rice baseline, 2010-2019.” Presentation at FAPRI Washington DC baseline review.

Wailes, Eric. 2009. “A Review of Pilot Studies: Composite Index of Market Access for the Export of Rice from the U.S.” Presented in Washington, DC for the International Centre for Trade and Sustainable Development. Geneva, Switzerland. Available at:
<http://ictsd.org/i/agriculture/58481/> (Invited Presentation)

Watkins, B. 2009. “How to Evaluate the Returns and Expenses of Stocker Grazing on Conservation Tillage Wheat Forage.” Presented at Two Stocker Management In-Service Training Sessions (at the Southwest Research & Extension Center near Hope, Arkansas, November 1, 2009, and at the Livestock & Forestry Branch Station near Batesville, Arkansas, November 9).

Watkins, B., J. Hignight, and B. Coats. 2009. “Demonstration of the FSA ACRE Calculator.” Presented at the 2009 ACRE In-Service Training, Little Rock, Arkansas, June 9.

Watkins, B., J. Hignight, and B. Coats. 2009. "Whole Farm Comparisons of ACRE Payments to Direct Counter Cyclical Payments Using the FSA Acre Calculator." Presented at Ag Heritage Headquarters, Little Rock, Arkansas, July 1.

Watkins, B., P. Beck, D. Hubble, M. Anders, S. Gunter, S. Gadberry, J. Hignight, and K. Lusby. 2009. "Economic Alternatives for Conservation Tillage Small Grains Forage Production in Arkansas." Presented at the 2009 Wheat Grazing Field Day, Gayther Crank Farm, Lewisville, Arkansas, April 30.

Xue, H., D. Mainville, W. You, and **R. M. Nayga, Jr.** 2009. "Nutritional Knowledge, Sensory Evaluation, and Consumers' Willingness to Pay for Pasture-Fed Beef." Agricultural and Applied Economics Association Meeting, Milwaukee, Wisconsin, July 26-28.

Xue, H., W. You, D. Mainville, and **R. M. Nayga, Jr.** 2009. "Empirical Evidence of Consumers' Willingness to Pay for Pasture-Fed Beef from In-Store Experiments." International Food and Agribusiness Management Association Congress, Budapest, Hungary, June 20-23

Agricultural and Extension Education

Edgar, D.W. & Edgar, L.D. (Nov/Dec 2009). Steps to put the "fun" back in fundraising. *Agricultural Education Magazine*.

Edgar, D.W. – co-presenter for Library Services workshop/presentation to staff of University of Arkansas entitled *Rubrics: Objectives to Evaluation*.

Edgar, L.D. – Guest speaker at the September 2009 Teaching Faculty Support Center faculty luncheon.

Agricultural Statistics Laboratory

Earls J., B. Dixon and **A. Mauromoustakos** (2009). Calculation for evapotranspiration for a water budget using LANDSAT data and aerial photographs: A comparative study. EARSeL Workshop on Remote Sensing of the Coastal Zone.

Gbur, E.E., I. Chaubey, M.W. Gitau and J.H. Pennington (2009). Water quality trends in a CEAP watershed. USDA-CSREES National Water Conference.

Mauromoustakos, A. (2009). Interactive tools for visualizing data and conducting simulations. Rice Industry Alliance Meetings, Fayetteville, AR.

Mauromoustakos, A. and M. Li. (2009). A case study of fitting and comparing nonlinear parameters for predicting poultry contamination. Joint Statistical Meetings.

Mauromoustakos A. (2009). More on the use of JMP® in teaching and consulting. Annual meeting of Multistate Project SCC013.

Pennington, J.H., J. Popp, G. Rodriguez, **E.E. Gbur**, I. Chaubey and M. Gitau (2009). Cooperative stakeholder engagement for fostering participation and gaining effective results. USDA-CSREES National Water Conference.

Popp, J., G. Rodriguez, J. Pennington and **E. Gbur** (2009). What factors influence water quality in Lincoln Lake watershed? Perceptions of important stakeholders. USDA-CSREES National Water Conference.

Robbins, R.T., E. Shipe, P. Arelli, P. Chen, S.R. Koenning, L. Rakes, L.E. Jackson, **E.E. Gbur** and D.G. Dombek (2009). Reniform nematode reproduction on soybean cultivars and breeding lines in 2008. Beltwide Cotton Conferences.

Saleh M., T. Siebenmorgen, **Mauromoustakos, A.** and P. Counce (2009). Relating field-scale nighttime air temperature levels to rice milling quality. Rice Industry and RiceTec meetings.

Animal Science

J. Apple. Missouri Meat Processors Association Convention (March 2009; Columbia, MO). Factors Influencing Fresh Pork Belly Quality. Invited Presentation.

J. Apple. American Society of Animal Science – Midwest Section Meetings (March, 2009; Des Moines, IA) Factors Influencing Fresh Pork Belly Quality.

J. Apple. Reciprocal meats Conference (June, 2009; University of Arkansas, Fayetteville) Factors Influencing Fresh Pork Belly Quality.

Coffey, K. USDA – AFRI Project Directors Annual Meeting/ National Meeting of the American Agricultural Economists Association. July 25-26, 2009. How to Develop and Implement Strong Integrated Projects – Innovative Teaching and Outreach. Milwaukee, WI. Invited Presentation.

Evans, P.A., K.S. Jogan, **N.E. Jack**, A. Scott, and C.A. Cavinder. 2009. University students may be better prepared for life after working with horses. In Equine Science Society 21st Symposium Proceedings published in the Journal of Equine Veterinary Science. 29(5):451-452.

Evans, P.A., K. Jogan, **N. Jack**, A. Scott, C. Cavinder, M. McMillan, S. Gagon, and K. Waite. 2009. University students may be better prepared for life after working with horses. NACTA Journal 29 (5):37-43.

Evans, P.A., K.A. Jogan, A. Scott, and **N.E. Jack**. 2009. Safety equipment: useage patterns after "hitting the dirt". In Equine Science Society 21st Symposium Proceedings published in the Journal of Equine Veterinary Science. 29(5):473-475.

Jogan, K. S., **N. E. Jack**, K. A. Jogan, and A. Scott. 2009. Implementing and Assessing Demand Driven Curriculum. NACTA 55th Annual National Convention, Poster presentation, Stillwater, Oklahoma.

Kellogg, W. A comparison of milk production and milk composition traits for three breed types of dairy cattle. Presented at the Southern Section of Am. Soc. Anim. Sci. Meeting in Atlanta, GA.

Kenzig, A.R., K.M. O'Meara, C.J. Kremer, K.S. Jogan, **N.E. Jack**, and K. Cole. 2009. Colostral, Milk and Serum Immunoglobulin G Concentrations in Quarter Horse Mares and Their Foals. In Equine Science Society 21st Symposium Proceedings published in the Journal of Equine Veterinary Science. 29(5):486-487.

McKenna, S., C. Barnett, K. S. Jogan and **N. E. Jack**. 2009. Teaching assistant collaboration in the design and implementation of Equine Behavior and Training Manual. NACTA. 55th Annual National Convention, Poster presentation. Stillwater, Oklahoma.

McKenzie, L. M., **F. W. Pohlman**, L. N. Mehall and P. N. Dias-Morse. 2009. Instrumental color characteristics and summary of trained sensory color panelist evaluation for color effects on beef steaks dipped into potassium lactate incorporated into gelatin coating systems. Proceedings of the 62nd Annual Reciprocal Meat Conference, June 2009. University of Arkansas, pg 69.

Pohlman, F. W., P. N. Dias-Morse, L. M. McKenzie, T. N. Rojas and L. N. Mehall. 2009. Effect of potassium lactate incorporated gelatin coating as an antimicrobial intervention on *Escherichia coli* and *Salmonella* populations in inoculated beef steaks. IFT Annual Meeting: Book of Abstracts 2009, Abstract no. 123-125, p. 152, Anaheim, CA.

Reynolds, J, Tucker, C and **Yazwinski, T.** 2009. Use of nitarsone in turkeys and it's effects on *Ascaridia dissimilis* Gamma Sigma Delta Presentations. University of Arkansas, Fayetteville, AR.

Richeson, J. T., **E. B. Kegley**, D. L. Galloway, Sr., and J. A. Hornsby. 2009. Supplemental trace minerals from injection (Inject-A-Min® vs. Mineral Max®II) for shipping-stressed cattle. Southern Association of Agricultural Scientists, February 2, Atlanta, GA.

Relative to Teaching: February 2009. Wally Cordes Teaching and Faculty Support Center, University of Arkansas. Editors: Cheryl Murphy, Janine Parry, and **Charles Rosenkrans, Jr.**

Relative to Teaching: March 2009. Wally Cordes Teaching and Faculty Support Center, University of Arkansas. Editors: Cheryl Murphy, Janine Parry, and **Charles Rosenkrans, Jr.**

Relative to Teaching: April 2009. Wally Cordes Teaching and Faculty Support Center, University of Arkansas. Editors: Cheryl Murphy, Janine Parry, and **Charles Rosenkrans, Jr.**

Relative to Teaching: September 2009. Wally Cordes Teaching and Faculty Support Center, University of Arkansas. Editors: Marianne Neighbors, Janine Parry, and **Charles Rosenkrans, Jr.**

Relative to Teaching: October 2009. Wally Cordes Teaching and Faculty Support Center, University of Arkansas. Editors: Marianne Neighbors, Janine Parry, and **Charles Rosenkrans, Jr.**

Relative to Teaching: November/December 2009. Wally Cordes Teaching and Faculty Support Center, University of Arkansas. Editors: Marianne Neighbors, Janine Parry, and **Charles Rosenkrans, Jr.**

Yazwinski, T., Tucker, C, Powell, J, Reynolds, J and Johnson, Z. 2009. A discussion of current anthelmintic efficacies in cattle. Intervet Parasite\Resistance Roundtable. Banff, Canada.

Yazwinski, T., Tucker, C, Powell, J, Reynolds, J and Johnson, Z. 2009. Efficacy determination of several, non-generic anthelmintics in cattle via FECRT and control evaluations. World Assoc Adv Vet Parasit. Calgary, Canada

Biological and Agricultural Engineering

Leh, M., and **S. G. Bajwa.** 2009. Identifying sediment source areas in a mixed land use watershed. In. Proc. International Conference on Food Security and Environmental sustainability. Dec. 17-19. Kharagpur, West Bengal, India.

Bajwa, S. G. 2009. Non-linear models for estimating nutrient value of ground beef patties from spectral data. In. Proc. International Conference on Food Security and Environmental Sustainability. Dec. 17-19. Kharagpur, West Bengal, India.

Logsdon, R., and **S. G. Bajwa.** 2009. Development of a Distributed Artificial Neural Network for Hydrologic Modeling. In. Proc. World Congress of Computers in Agriculture, June 22-24, Reno, Nevada.

Zhao, F., Y. Liang, T. A. Costello, **S. G. Bajwa.** 2009. Comparison of point estimates from the litter floor and whole-house monitoring of ammonia emissions of poultry houses. ASABE Paper No. 097046. St. Joseph, MI: ASABE.

Kulkarni, S. S., and **S. G. Bajwa.** 2009. Correlation of crop response to soil compaction in Cotton. In. Proc. of 2009 Beltwide Cotton Producers National Research Conferences, January 5-8, San Antonio TX.

Kulkarni, S. S., L. Espinoza, T. Griffin, **S. G. Bajwa,** and E. Barnes. 2009. Soil compaction patterns by On-board module builders. Rice field day at RREC, Stuttgart, Arkansas. (poster)

Leh, M., **S. G. Bajwa**, I. Chaubey, and J. Cothren. 2009. Monitoring and measuring stream bank erosion using digital photogrammetry. In. Proc. ASABE Annual Meeting. St. Joseph, MI: ASABE.

Bajwa, S. G., D. S. Bajwa, and G. H. Holt. 2009. Evaluation of cotton gin byproducts as a lingo-cellulosic filler in polymer composites. International workshop on Cotton, 9-11 Nov 2009, Central Institute for Research on Cotton Technology, Nagpur, India.

Bandekar, P., **S. G. Bajwa**, M. Saleh, and J.-F. Meullenet. 2009. Measuring ammonia-N in water using near infrared spectroscopic technique. Annual Meeting of Arkansas Section of ASABE. Oct. 3, 2009, Little Rock, AR.

Leh, M., **S. G. Bajwa**, I. Chaubey, J. Cothren, and K. Asante. 2009. Measuring stream bank erosion using aerial imaged and digital photogrammetry. AWRA Annual Meeting and Conference. Fayetteville, AR.

Carrier, DJ. 2009. Extraction of co-products from forestry biomass. University of Arkansas at Monticello, AR.

Carrier DJ, Bunnell K, Wallace S, Penny R and Clausen E. 2009. Design and operation of a countercurrent extractor for the extraction of flavonolignans. Institute of Food Technology, Anaheim, CA (poster presentation)

Abbott J, Carrier DJ, Medina Bolivar F and Clausen E. 2009. Determination of biological activity of stilbenoids resveratrol, piceatannol, arachidin-1, and arachidin-3. Institute of Food Technology, Anaheim, CA (poster presentation)

Carrier DJ, and Clausen E. 2009. Understory biomass from pine forests: Use as feedstock for cellulosic ethanol ACS meeting Washington, DC (poster presentation).

Abbott J, Carrier DJ, Medina Bolivar F and Clausen E. 2009. Purification and determination of antioxidant activity of bioactive stilbenoids from hairy root cultures of peanut. IPMB, St-Louis, MO (poster presentation).

Martin E, Duke J, Lau C, Clausen E, Pelkki M and Carrier DJ. Shikimic acid as a co-product from sweetgum. 31th Symposium on Biotechnology for Fuels and Chemicals, San Francisco, CA (poster).

Duke J, Martin E, Lau C, Clausen E, Pelkki M and Carrier DJ. Pretreatment of sweetgum with dilute sulfuric acid. 31th Symposium on Biotechnology for Fuels and Chemicals, San Francisco, CA (poster).

Engelberth A, Carrier DJ and Clausen E. Ginsenoside purification: Hot water extraction vs. ultrasonic assisted extraction. 31th Symposium on Biotechnology for Fuels and Chemicals, San Francisco, CA (poster).

Thorbole, C.,H. Lankarani, T. A. Costello. 2009. Temperature effect on the dynamic characteristics of the aircraft seat cushion. Proceedings of the 2009 International Mechanical Engineering Congress and Exposition, November 13, 2009. ASME. Designated: IMCE2009-12164. (peer reviewed, considered refereed in Mechanical Engineering).

Costello, T. A. 2009. Feasibility of on-farm litter combustion for space-heating poultry houses. Presented to the Atlantic Poultry Conference, Greenwich, Nova Scotia, Canada, February 20, 2009. (**invited**).

Costello, T.A., M. D. Matlock, H. Sandefur, S. C. Green, J. Hickle, R. Z. Johnston, C. N. Jones and B. Kennedy. 2009. Open Algae System for Bio-Energy Feedstock Production. Poster presented at the 2009 ASABE Annual International Meeting, Reno, Nevada, June 21 – June 24, 2009.

Zhao, F. Yi Liang, T. A. Costello, S. G. Bajwa. 2009. Comparison of Point Estimates from the Litter Floor and Whole-house Monitoring of Ammonia Emissions of Poultry Houses. Presented at the 2009 ASABE Annual International Meeting, Reno, Nevada, June 21 – June 24, 2009. ASABE Paper No. 09-7046.

Massey, L., and **Haggard, B.** 2009. Illinois River Watershed Partnership – Volunteer Monitoring Program. Final Report, Arkansas Natural Resources Commission, USEPA 319 Program. Arkansas Water Resources Center Technical Publication MSC 354.

Massey, L., W. Cash and **Haggard, B.** 2009. Illinois River Watershed Partnership–Constituent Loads at the Illinois River at Arkansas Highway 59. Final Report, Arkansas Natural Resources Commission, USEPA 319 Program. Arkansas Water Resources Center Technical Publication MSC 352.

Massey, L., W. Cash and **Haggard, B.** 2009. Illinois River Watershed Partnership – Constituent Loads at Ballard Creek at County Road 76. Final Report, Arkansas Natural Resources Commission, USEPA 319 Program. Arkansas Water Resources Center Technical Publication MSC 353.

Longing, S. and **Haggard B.** 2009. Frequency Distributions of Median Nutrient and Chlorophyll concentrations across the Red River Basin, 1996–2006. Arkansas Water Resources Center Technical Publication MSC 350.

Longing, S.D., and **Haggard, B.E.** 2009. *Heterosternuta sulphuria* (Coleoptera: Dytiscidae) occurrence in the Sulphur Springs Headwater System and in Buffalo National River Tributaries (Arkansas, USA): Current Distribution, Habitat Conditions, and Biomonitoring Framework. Arkansas Water Resources Center Technical Publication MSC 351.

Matlock, M., **B. Haggard,** A. Brown, E. Cummings, L. Yates, and D. Parker. 2009. Water Quality and Ecological Assessment: Osage and Spring Creeks. Final Report prepared for Springdale and Rogers Water Utilities.

Scott, T. and **Haggard, B.** 2009. Watershed Investigative Support to the Beaver Water District: Chemical Flux from Bottom Sediment Cores, Beaver Water District, Lowell, Arkansas.

Haggard, B. WTRs and Phosphorus, Beaver Water District Board of Director's Meeting, Lowell, Arkansas – January 2009 (Invited).

Haggard, B. and M. David. Regression methods to estimate fecal bacteria numbers in the Illinois River Basin, USDA CSREES National Water Conference, St. Louis, Missouri – February 2009.

Haggard, B. and S. Longing. Red River Nutrient Criteria Development – Next Steps?, USEPA Region VI RTAG, Dallas, Texas – February 2009.

Longing, S. and **B. Haggard.** Red River Nutrient Criteria Development – Data Distributions, USEPA Region VI RTAG, Dallas, Texas – February 2009.

Bartsch, L., and **B. Haggard.** Pharmaceuticals and organic wastewater compounds in water and bed material downstream of three municipal effluent discharges. Arkansas Water Resources Center Annual Research Conference, Fayetteville, Arkansas – April 2009.

Drake, B., J. Scott, A. Sharpley, **B. Haggard** and C. Rogers. The effect of light and temperature on periphyton phosphorus uptake over two seasons in several northwest Arkansas streams. Arkansas Water Resources Center Annual Research Conference, Fayetteville, Arkansas – April 2009.

Haggard, B. and M. David. 2009. Development of regression-based models to predict fecal indicator bacteria at the Illinois River Basin, Arkansas and Oklahoma. Arkansas Water Resources Center Annual Research Conference, Fayetteville, Arkansas – April 2009.

Jensen, N., M. Evans-White, and **B. Haggard.** Benthic macroinvertebrate food web patterns in a headwater stream prior to a riparian zone restoration. Arkansas Water Resources Center Annual Research Conference, Fayetteville, Arkansas – April 2009.

Longing, S. and **B. Haggard.** An initial assessment of the invertebrate assemblage and aquatic habitat at the Watershed Research and Education Center. Arkansas Water Resources Center Annual Research Conference, Fayetteville, Arkansas – April 2009.

Rogers, C., A. Sharpley, **B. Haggard,** J. Scott, and B. Drake. Distribution and phosphorus – sorption characteristics of select streams within the Illinois River Watershed. Arkansas Water Resources Center Annual Research Conference, Fayetteville, Arkansas – April 2009.

Toland, C., M. Boyer, and **B. Haggard.** Elemental concentrations in runoff water and media from green roofs and urban streams. Arkansas Water Resources Center Annual Research Conference, Fayetteville, Arkansas – April 2009.

Haggard, B. and L. Bartsch. Effect of a new effluent discharge on stream phosphorus retention. North American Benthological Society Annual Meeting, Grand Rapids, Michigan – May 2009.

Longing, S., P. Bacon, and **B. Haggard**. Status and ecological indicator potential of *Heterosternuta sulphuria* populations (Coleoptera: Dytiscidae: Hydroporinae) in Arkansas. North American Benthological Society Annual Meeting, Grand Rapids, Michigan – May 2009.

Romeis, J., **B. Haggard**, T. Scott, and A. Sharpley. Water quality changes in the Eucha–Spavinaw Watershed, Northwest Arkansas and Northeast Oklahoma, 2002–2008. SERA – IEG 17 Annual Meeting, Ottawa, Canada – July 2009.

Scott, T., **B. Haggard**, and A. Sharpley. Significance of nitrogen retention by reservoirs and farm ponds in the White River Basin of Missouri and Arkansas. Soil and Water Conservation Society Annual Meeting, Kansas City, Missouri – September 2009.

Sharpley, A., J. Romeis, T. Scott, and **B. Haggard**. Nutrient loading in streams and eutrophication of reservoirs. Soil and Water Conservation Society Annual Meeting, Kansas City, Missouri – September 2009 (Invited).

Haggard, B. Illinois River Watershed Management Plan – Update to the Joint Performance Review Committee, Arkansas State Legislature, Rogers, Arkansas – October 2009 (Invited).

Haggard, B., T. Scott, and L. Massey. Effect of an effluent discharge on phosphorus retention at Goose Creek and the Illinois river, Northwest Arkansas. American Water Resources Association Annual Meeting, Seattle, Washington – November 2009.

Wang, W., Wang, X., Jin, S., and Ye, K., “Generation of Glucose-Responsive, Insulin-Secreting Cells from Embryonic Stem Cells”, Tissue Engineering and Regenerative Medicine International Society-EU, 2010 Meeting, June 13-17, 2010, Galway, Ireland.

Ye, K., Leach, J., and Jin, S. “Design of Aptamer-based Nanoparticle Carriers Targeting Prostate Tumors”, 2010 International Congress of Antibody, March 2010, Beijing, China. (Invited speaker)

Veetil, J., Jin, S., and Ye, K., “Design FRET indicator proteins for continuous glucose monitoring in vitro and in vivo”, The 10th World Congress on Biosensors, May 26-28, 2010, Glasgow, UK (Invited speaker)

Ellis, E., Yao, H., Veetil, J., Ye, K., Jin, S., “Visualization of HIV Protease Inhibition Using a FRET Molecular Probe”, 239th American Chemistry Society Annual meeting, March 21-25, 2010 San Francisco, CA.

Yanagihara, K., Jin, S., and Ye, K., “The differentiation of human embryonic stem cells into pancreatic islet cells within three-dimensional scaffold” Biomedical Engineering Society 2009 Annual Meeting, October, 7-10, 2009, Pittsburgh, PA.

Haukas, A., Jin, S., Veetil, J., Ye, K., “Derivation of Human Fibroblasts into iPS Cells and Subsequent Differentiation into Pancreatic β -cells in a 3-D Scaffold” Biomedical Engineering Society 2009 Annual Meeting, October, 7-10, 2009, Pittsburgh, PA.

Veetil, J., Jin, S., and Ye, K. “Genetically engineered fluorescence lifetime based protein sensor for visualization and continuous monitoring of glucose concentration in living cells” 2009 Biomedical Engineering Society Annual Meeting, October 7-10, 2009, Pittsburgh, PA.

Rogers SC and Kavdia M. Critical evaluation of DHE fluorescence and cytochrome c absorbance measurement of superoxide in the presence of nitric oxide and superoxide dismutase. Experimental Biology, New Orleans, LA, 2009.

Rogers SC and Kavdia M. L-NAME increases and apocynin decreases dihydroethidium fluorescence in endothelial cells in hyperglycemia. Experimental Biology, New Orleans, LA, 2009.

Kluess HA, Stone AJ, **Rogers SC**, and Mahendra Kavdia. Age-related changes in fluorescent imaging of superoxide in skeletal muscle arterioles. Experimental Biology, New Orleans, LA, 2009.

Lakshmanan N and Kavdia M. Reactive oxygen and nitrogen species in leukocyte adhesion and transmigration: a computational model. Experimental Biology, New Orleans, LA, 2009.

Deonikar P, and Kavdia M. Experimental analysis of nitric oxide-red blood cells interactions using a novel micron scale flow system. Experimental Biology, New Orleans, LA, 2009.

Deonikar P, and Kavdia M. Nitric oxide interactions with red blood cell hemoglobin: Effect of NO Concentrations and hematocrit. Southern Biomedical Engineering Conference, Miami, Florida, 2009.

Deonikar P, and Kavdia M. Role of erythrocytes in nitric oxide transport in blood vessels. Biomedical Engineering Society (BMES). Annual Fall Meeting, October, 2009.

Deonikar P, and Kavdia M. Effect of membrane permeability & extracellular diffusion on nitric oxide transport to erythrocytes. Biomedical Engineering Society (BMES). Annual Fall Meeting, October, 2009.

Rogers SC and **Kavdia M**. DHE Fluorescence Measurements from Hyperglycemic Endothelial Cells. Biomedical Engineering Society (BMES). Annual Fall Meeting, October, 2009.

Rogers SC and Kavdia M. Superoxide increases in hyperglycemic endothelial cells using DHE fluorescence: Is it production or concentration? SFRBM Annual Meeting, 2009.

Schulte, M.B. MS, Z. Dong, PhD S. Tung, **J.-W. Kim***, U. Wejinya, H.-M. Moon Post-Doc, and B.-W. Kong. 2009. "Impedance Spectroscopy of Chicken Infectious Laryngotracheitis Virus Based on Atomic Force Microscopy," in Proceedings of IEEE International Conference on Nano/Molecular Medicine and Engineering (IEEE-NANOMED), Cheng Kung, Taiwan.

Lee, J.S. PhD, J.J. Song, R. Deaton, and J.-W. Kim.* 2009. "Exploring the Potential of Microarray Technology for Bio/Nano Sensing," in Proceedings of IEEE International Conference on Nano/Micro Engineered and Molecular Systems (IEEE-NEMS), Shenzhen, China.

Kim. J.-W. * and R. Deaton. 2009. "DNA-Based Nanoscale Building Block for Controllable and Scalable Nanofabrication," in Proceedings of NSF CMMI Engineering Research and Innovation Conference, Honolulu, Hawaii.

Kim. J.-W. * and J.-H. Kim PhD. 2009. "Controlled Self-Assembly of Nanoparticles by Anisotropic Chemical Modifications," in DNA 15: Preliminary Proceedings of the 15th International Meeting on DNA Computing, R. Deaton, et al. (eds.), Fayetteville, Arkansas.

Tung, S. and J.-W. Kim. 2009. "Nanoscale Bio/Abio Interfacing," in Proceedings of IEEE International Conference on Nano/Micro Engineered and Molecular Systems (IEEE-NEMS), Shenzhen, China. Invited Paper.

Kim. J.-W. *, H.-M. Moon Post-Doc, S. Tung, and H.-H. Lee. 2009. "Highly Effective Bacterial Removal System Using Carbon Nanotube Clusters," in Proceedings of IEEE International Conference on Nano/Micro Engineered and Molecular Systems (IEEE-NEMS), Shenzhen, China.

Schulte, M.B. MS, Z. Dong PhD, S. Tung, **J.-W. Kim**, U. Wejinya, H.-M. Moon Post-Doc, and B.-W. Kong. 2009. Impedance Spectroscopy of Chicken Infectious Laryngotracheitis Virus Based on Atomic Force Microscopy. IEEE International Conference on Nano/Molecular Medicine and Engineering (IEEE-NANOMED), Cheng Kung, Taiwan.

Kim. J.-W. and J.-H. Kim PhD. 2009. Controlled Self-Assembly of Nanoparticles by Anisotropic Chemical Modifications. The 15th International Meeting on DNA Computing, Fayetteville, Arkansas.

Kim. J.-W. and R. Deaton. 2009. DNA-Based Nanoscale Building Block for Controllable and Scalable Nanofabrication. NSF CMMI Engineering Research and Innovation Conference, Honolulu, Hawaii.

Judkins , J. MS and J.-W. Kim. 2009. Carbon Nanotube Diffusion in Simulated Human Body Fluids. Annual Conference of the Institute of Biological Engineering, Santa Clara, California.

Nelson, C. Under, H.-M. Moon, and J.-W. Kim. 2009. Carbon Nanotube Cluster Based Micro-Fluidic System for Bacteria Capture, Concentration, and Separation. Annual Conference of the Institute of Biological Engineering, Santa Clara, California.

Galanzha, E.I., **J.-W. Kim**, V.V. Tuchin, E.V. Shashkov, and V.P. Zharov. 2009. In Vivo Integrated Photoacoustic Diagnosis and Photothermal Therapy of Lymphatic System with Novel Molecular Contrast Agents. 2009 American Society for Laser Medicine and Surgery (ASLMS) Annual Conference West, Washington DC.

Galanzha, E.I., V.V. Tuchin, E.V. Shashkov, **J.-W. Kim**, and V.P. Zharov. 2009. In Vivo Integration of Multiwavelength Photoacoustic Lymphography, Sentinel Lymph Nodes Mapping, and Metastasis Assessment Using Multiplex Nanoparticle Targeting. SPIE Photonics West, San Jose, California.

Galanzha, E.I., E.V. Shashkov, **J.-W. Kim**, and V.P. Zharov. 2009. In Vivo Photoacoustic Flow Cytometry of Immune-Related Cells and Pathogens with Label-Free Detection and Multicolor Nanoparticle Contrast Agents in Whole Living Animals. SPIE Photonics West, San Jose, California.

Kim. J.-W., H.-M. Moon, S. Tung, and H.-H. Lee. 2009. Highly Effective Bacterial Removal System Using Carbon Nanotube Clusters. IEEE International Conference on Nano/Micro Engineered and Molecular Systems (IEEE-NEMS), Shenzhen, China.

Lee, J.S. PhD, J.J. Song, R. Deaton, and J.-W. Kim. 2009. Exploring the Potential of Microarray Technology for Bio/Nano Sensing. IEEE International Conference on Nano/Micro Engineered and Molecular Systems (IEEE-NEMS), Shenzhen, China.

Tung, S. and J.-W. Kim. 2009. “Nanoscale Bio/Abio Interfacing,” in IEEE International Conference on Nano/Micro Engineered and Molecular Systems (IEEE-NEMS), Shenzhen, China. (invited)

Kim. J.-W. . 2009. “Bio/Nano Technology,” in Workshop on Micro/Nano Manipulation and Device Fabrication, Shenyang, China (invited).

Galanzha, E.I., M. Kokoska, E. Shashkov, S. Allen, S. Klimberg, **J.-W. Kim**, L. Hutchins, A. Biris, and V.P. Zharov. 2009. “Multicolor nanoparticles as molecular photoacoustic super-contrast agents for in vivo advanced sentinel lymph node mapping, multispectral lymphography, and metastasis assessment,” in Nanotechnology and Healthcare Conference, Winthrop Rockefeller Institute, Petit Jean Mountain, Arkansas.

Kim. J.-W. 2009. “Bio/Nano Technology,” in Chemical Engineering Department, Myongji University, Yongin, Korea (invited).

Kim. J.-W. . 2009. “Bio/Nano Technology,” in Gwangju Institute of Science and Technology, Korea (invited).

Kim, J.-W. . 2009. “Bio/Nano Technology,” in Shenyang Institute of Automation Chinese Academy of Science, China (invited).

Li, Y. 2009. Nanoparticle-based Fluorescent Biosensor for Rapid Detection of *Listeria monocytogenes* in Foods. The final report to USDA/ARS and NAFSS for the funded two-year project.

Li, Y. 2009. Biosensor for Rapid Screening of Avian Influenza Viruses. The final report to ABI for the funded three-year project.

Li, Y., and A. Wang. 2009. Magnetic Nanoparticle Microfluidics for High Efficient Capture, Separation and Concentration of Foodborne Pathogens. The final report to NSF/STTR for the funded Phase I and IB project.

Li, D., R. Wang, **Y. Li,** Y. Ying and J. Wang. 2009. Detection of *E. coli* O157:H7 using a piezoelectric immunosensor with gold nanowire modified electrode. Presented at ASABE 2009 Annual Meeting, June 21-24, 2009, Reno, NV. ASABE Paper No. 096631.

Lin, J., and Y. Li. 2009. Bionanobeads-based electromagnetic separator for rapid separation of pathogenic bacteria. Presented at ASABE 2009 Annual Meeting, June 21-24, 2009, Reno, NV. ASABE Paper No. 097079.

Wang, Y., R. Wang, X. Jiang, Y. Li, and Y. Ying. 2009. Effects of micro/nanobeads on the frequency and resistance signals of a QCM immunosensor for detection of *E. coli* O157:H7. Presented at ASABE 2009 Annual Meeting, June 21-24, 2009, Reno, NV. ASABE Paper No. 097465.

Li, Y., R. Wang, K. Lassiter, B. Hargis, S Tung, L. Berghman, and W. Bottje. 2009. A portable impedance biosensor for rapid detection of avian influenza virus in poultry swab samples. Invited presentation at the 1st Sino-Germany Cooperation Symposium on Advanced Sensing Technology for Precision Agriculture, October 10-14, 2009, Beijing, China.

Li, Y. 2009. Biosensor technologies and their applications in agriculture, food, and environment. Invited presentation at Joint International Agricultural Conference, October 14-17, 2009, Beijing, China.

Li, Y. 2009. A portable impedance biosensor for rapid, specific and sensitive detection of avian influenza virus in poultry swab samples. Invited presentation at South China Agricultural University, January 16, 2009, Guangzhou, China.

Li, Y. 2009. A portable impedance biosensor for rapid, specific and sensitive detection of avian influenza virus in poultry swab samples. Invited presentation at China Agricultural University, January 15, 2009, Beijing, China.

Kanayeva, D., **R. Wang**, and Y. Li. 2009. Immunomagnetic separation of *Listeria monocytogenes* using nanosized beads. Presented at IAFP 2009 96th Annual Meeting, July 12-15, 2009, Grapevine, TX. Poster No. P2-097.

Lassiter, K., R. Wang, J. Lin, J. Lum, B. Srinivasan, L. Lin, H. Lu, B. Hargis, W. Bottje, S. Tung, L. Berghman, and Y. Li. 2009. Comparison study of an impedance biosensor and rRT-PCR for detection of avian influenza H5N2 from infected chickens. Presented at PSA 2009 Annual Meeting, Raleigh, NC, July 20-23, 2009. Poster No. 405-P.

Li, D., **R. Wang**, Y. Li, Y. Ying and J. Wang. 2009. Detection of *E. coli* O157:H7 using a piezoelectric immunosensor with gold nanowire modified electrode. Presented at ASABE 2009 Annual Meeting, June 21-24, 2009, Reno, NV. ASABE Paper No. 096631.

Lin, J., and Y. Li. 2009. Bionanobeads-based electromagnetic separator for rapid separation of pathogenic bacteria. Presented at ASABE 2009 Annual Meeting, June 21-24, 2009, Reno, NV. ASABE Paper No. 097079.

Wang, H., **Li, Y.**, and M. Slavik. 2009. Simultaneous separation and detection of multiple foodborne pathogens using magnetic nanobeads and quantum dots. Presented at IAFP 2009 96th Annual Meeting, July 12-15, 2009, Grapevine, TX. Poster No. P2-113.

Wang, Y., R. Wang, X. Jiang, Y. Li, and Y. Ying. 2009. Effects of micro/nanobeads on the frequency and resistance signals of a QCM immunosensor for detection of *E. coli* O157:H7. Presented at ASABE 2009 Annual Meeting, June 21-24, 2009, Reno, NV. ASABE Paper No. 097465.

Zhao, F., Y. Liang, T.A. Costello, and S.G. Bajwa 2009. Comparison of point estimates from the litter floor and whole-house monitoring of ammonia emissions of poultry houses. ASAE meeting paper 097046. St. Joseph, Mich.: ASABE

Matlock, M., A. Brown, B. Haggard and E. Cummings. 2009. An Ecological Assessment of Osage and Spring Creeks, Northwest Arkansas, 2007-2009. CARS Report 09-12A.

Matlock, M., Book Review of *Witness To Extinction*. JEQ, 2010

Matlock, M., Book Review of *Doing Environmental Ethics*. JEQ, 2010

Matlock, M., Measuring what Matters in Sustainable Strategy Development. MARS Corp Science Advisory Meeting, Manhattan, NY, January 5, 2009. (Invited)

Matlock, M., Ramsey, S., Nalley, L., Analysis of Agricultural Sustainability from 1985 to 2005. Commodity Classic, San Antonio, Texas. January 12, 2009. (Invited)

Matlock, M., Nalley, L., Assessment of Agricultural Indicators of Sustainability, National Academy of Science Roundtable: Sustainability Labels, Irvine, CA, January 18, 2009, (Invited)

Matlock, M, Nalley, L, Assessment of Agricultural Greenhouse Gas Dynamics, Keystone Alliance: Field to Market Whole Systems Meeting, Washington, DC, January 18, 2009, (Invited)

Matlock, M, Water Quality Indicators in Agricultural Landscapes, Keystone Alliance: Field to Market Meeting, Washington, DC, February 19, 2009, (Invited).

Matlock, M, Ramsey, S., Nalley, L., Analysis of Agricultural Sustainability from 1985 to 2005, National Farm Bureau Meeting, Grapevine, Texas, February 26, 2009 (Invited).

Matlock, M, Nalley, L, Methods of Measuring Agricultural Sustainability, Agricultural Revolution, SAI/Sustainable Food Labs, Landsdowne, MD, March 18, 2009.

Matlock, M, Nalley, L, Open Source LCI Databases for Ag LCAs, USDA Leadership Conference, USDA, Washington, DC, March 19, 2009 (Invited)

Matlock, M, Sustainability 2050, Caring for Creation Conference, March 28, 2009, (Invited).

Matlock, M, Nalley, L., Agricultural Sustainability Metrics, Sustainable Actions for a sustainable Future, Missouri State University, Springfield, MO, April 23, 2009 (Invited).

Matlock, M, Agricultural Water Use, MARS Corp Sustainability Pod Meeting, McLean, VA, May 4, 2009(Invited).

Matlock, M, Nalley, L., Greenhouse Gas Life Cycle Analysis in Cotton, Keystone Alliance: Field to Market Whole Systems Meeting, Washington, DC, May 7, 2009.

Matlock, M, Sovereignty and Sustainability, Native And Indigenous Peoples StudiesInternational Conference, St. Paul, MN, May 22, 2009 (Invited).

Matlock, M, Nalley, L., Life Cycle Analysis Methods, Keystone Alliance: Field to Market Indicators Meeting, Washington, DC, June 3, 2009 (Invited).

Matlock, M, Nalley, L., Methods of Measuring Agricultural Sustainability: Cotton Greenhouse Gas LCA., Monsanto Corporation Sustainability Conference, St. Louis, MO, July 27, 2009 (Invited).

Matlock, M, Agricultural Sustainability Opportunities and Challenges, KASHI Headquarters, La Jolla, CA, August 4, 2009(Invited).

Matlock, M, Nalley, L., Metrics for Sustainable Agricultural Production, United Nations Foundation Land Symposium, August 11, 2009(Invited).

Matlock, M, Nalley, L., Sustainable Agricultural Production Practices, KASHI Sustainability Workshop, Sundance, UT, September 14, 2009(Invited)

Matlock, M, Nalley, L., Agricultural Production Challenges for a Sustainable Planet, MARS Corp Sustainability Pod Meeting, McLean, VA, September 28, 2009 (Invited).

Matlock, M, Nalley, L., Neiderman, Z., Thoma, G., Metrics for Sustainable Supply Chains: LCIs to inform LCAs, World Resources Institute Program for Corporate Ecosystem Services Management, CCE, Atlanta, GA, October 7, 2009(Invited)

Matlock, M, Nalley, L., Agricultural Production Challenges for a Sustainable Planet, Cotton Council International, Budapest, Hungary, November 5, 2009(Invited)

Matlock, M, Measures, Metrics, and Indices of Sustainability, Conservation Forum for Harris World Ecology Center, St. Louis, MO, November 12, 2009(Invited)

Matlock, M, Water Resources and Sustainability, Native American Week Conference, North Carolina State University, Chapel Hill, NC, November 14, 2009 (Invited).

Matlock, M, Water Quality and Land Use Indicators, Keystone Alliance Field To Market, Washington, DC, December 10, 2009 (Invited).

Osborn, G.S., G.R. Richardson, A. McCain. 2009. One Year Progress Report. A Portable Dissolved Oxygen Delivery System for Rapid Treatment of Organic Spills. National Science Foundation.

Osborn, G.S., G.R. Richardson, A. McCain. 2009. 18 month Progress Report. A Portable Dissolved Oxygen Delivery System for Rapid Treatment of Organic Spills. National Science Foundation.

Osborn, G.S., G.R. Richardson, A. McCain. 2009. One Year Progress Report. Point Source Ozonation to Minimize Antibiotic Resistance. National Institutes of Health.

Osborn, G.S. 2009. My 25 Year PE Journey. Invited article to motivate Agricultural Engineers to take the PE exam to become licensed. Resource. American Society of Agricultural and Biological Engineers.

Zaharoff, D.A., Schlom, J. and Greiner, J.W. Intravesical Chitosan/IL-12 Immunotherapy for the Management of Superficial Bladder Cancer. Biomedical Engineering Society Annual Meeting. Pittsburgh, PA. October 2009. (Poster Presentation).

Zaharoff, D.A., Hance, K.W., Rogers, C.J., Schlom, J. and Greiner, J.W. Intratumoral immunotherapy with chitosan/IL-12 eradicates established tumors and elicits durable, tumor-specific immune responses. International Society for the Biological Therapy of Cancer. Washington, DC. October 2009. (Poster Presentation).\

Crop, Soil and Environmental Sciences

Akbudak M.A., A. More, S. Nandy, **V. Srivastava**. 2009. Dosage Dependent Gene Expression from Direct Repeat Locus in Rice Developed by Site-Specific Gene Integration. Abstract presented at Rice Functional Genomics meeting, Manila, Philippines, 16-19 Nov.

Akbudak M.A., A. More, S. Nandy, **V. Srivastava**. 2009. Dosage Dependent Gene Expression from Direct Repeat Locus in Rice Developed by Site-Specific Gene Integration. Abstract presented at the Annual ABI symposium, Jonesboro, AR, 25 Sep.

Avila, Carlos A. and **James McD. Stewart**. 2009. Time Course Expression of Reniform Nematode Induced Genes in Resistant and Susceptible *Gossypium arboreum*. Beltwide Cotton Conference.

Bangarwa, S.K., **J.K. Norsworthy**, J. Still, G.M. Griffith, and L.E. Estorninos. 2009. Allyl Isothiocyanate as a Methyl Bromide Alternative in Tomato. Presented at the WSSA meeting, Orlando, FL.

Bangarwa, S.K., **J.K. Norsworthy**, G.M. Griffith, and J. Still. 2009. Use of Legume Cover Crops to Aid Weed Management in Roundup Ready Flex Cotton. Presented at the Beltwide Cotton Conference, San Antonio, TX.

Bangarwa, S.K., **J.K. Norsworthy**, G. Griffith, J. DeVore, J. Still, G.T. Jones, and M.J. Wilson. 2009. Non-Glyphosate Programs for Palmer Amaranth Control in Cotton. Arkansas Crop Prot. Assoc. 13:3.

Bangarwa, S.K., **J.K. Norsworthy**, G.M. Griffith, **K.L. Smith**, and J. Still. 2009. Use of Residual Herbicides in Roundup Ready Flex and Liberty Link Cotton for Control of Glyphosate-Resistant Palmer Amaranth. Presented at the Beltwide Cotton Conference, San Antonio, TX.

Bangarwa, S.K., **J.K. Norsworthy**, **R.C. Scott**, J. Still, M.J. Wilson, G.M. Griffith, and L.E. Estorninos. 2009. Broadleaf Weed Control on Arkansas Rice Levees. Presented at the WSSA meeting, Orlando, FL.

Barber, Tom, Fred Bourland and D.O. Stephenson IV. 2009. Effect of Row Configuration and Seeding Rate on Cotton Yield and Fiber Quality. Beltwide Cotton Prod. Res. Conf., San Antonio, TX.

Bourland, F.M. 2009. Feasibility of Conventional Cotton Varieties - Breeders Perspective. State Farm Bureau Convention. Little Rock, AR. 01 Dec.

Bourland, F.M. and D.C. Jones. 2009. Cotton Germplasm Lines Released by the University of Arkansas in 2008. Beltwide Cotton Prod. Res. Conf., San Antonio, TX.

Davis, B.M., **R.C. Scott**, N.D. Pearrow, and **J.K. Norsworthy**. 2009. Effects of Low Rates of Glyphosate and Glufosinate on Rice. Presented at the WSSA meeting, Orlando, FL.

DeVore, J.D., **J.K. Norsworthy**, G.M. Griffith, M.J. Wilson, S.K. Bangarwa, G.T. Jones, E.K. McCallister, and D.B. Johnson. 2009. Soybean Production Systems and Deep Tillage Affect Palmer Amaranth Seed Burial and Emergence. Presented at the Arkansas Crop Prot. Research Conference, Fayetteville, AR.

Estorninos, L.E., J.K. Norsworthy, and M.J. Wilson. 2009. Effectiveness of Late-Season Herbicide Applications on Seed Suppression of Glyphosate-Resistant Palmer Amaranth. Presented at the Beltwide Cotton Conference, San Antonio, TX.

Estorninos, L.E., **J.K. Norsworthy**, and L.E. Steckel. 2009. Confirmation and Control of Glyphosate-Resistant Giant Ragweed in Tennessee Cotton. Presented at the Beltwide Cotton Conference, San Antonio, TX.

Estorninos, L.E., **J.K. Norsworthy**, and M.J. Wilson. 2009. Effectiveness of Late-Season Herbicide Applications on Seed Suppression of Glyphosate-Resistant Palmer Amaranth. Presented at the WSSA meeting, Orlando, FL.

Estorninos, L.E., **J.K. Norsworthy**, S. Bangarwa, G.M. Griffith, and J.A. Still. 2009. Can Palmer Amaranth Tolerance to Glyphosate Be Increased with Low Glyphosate Doses? Presented at the WSSA meeting, Orlando, FL.

Griffith, G.M., **J.K. Norsworthy**, R. Edmund, and J. Still. 2009. Effectiveness of Staple LX Alone and with Direx for Preplant Weed Control in Cotton. Presented at the Beltwide Cotton Conference, San Antonio, TX.

Griffith, G.M., **J.K. Norsworthy, K.L. Smith**, and V. Skinner. 2009. Spatial Movement of Glyphosate-Resistant Palmer Amaranth in Cotton. Presented at the WSSA meeting, Orlando, FL.

Griffith, G.M., **J.K. Norsworthy**, J. Still, S. Bangarwa, and **R.C. Scott**. 2009. Weed Control in Furrow-Irrigated Clearfield Rice. Presented at the WSSA meeting, Orlando, FL.

Griffith, G.M., **J.K. Norsworthy, K.L. Smith**, and V. Skinner. 2009. Spatial Movement of Glyphosate-Resistant Palmer Amaranth in Roundup Ready Flex Cotton. Presented at the Beltwide Cotton Conference, San Antonio, TX.

Griffith, G., **J.K. Norsworthy**, J. Still, J. DeVore, and J. Wilson. 2009. Presence of Weed Species in Liberty Link and Roundup Ready Flex Cotton Systems. Presented at the Arkansas Crop Prot. Research Conference, Fayetteville, AR.

- Groves, F.E. and **F.M. Bourland**. 2009. Relationship of Different Seed Measurements for Estimating Seed Surface Area and Certain Yield Components. Beltwide Cotton Prod. Res. Conf., San Antonio, TX.
- Hettiarachchy, N.S., M. Zhang, P. Horax, and **P. Chen**. 2009. Phytochemical Composition of Fresh and Dried Bitter Melon (*Momordica charantia*) Leaves at Tender, Vegetable and Mature Stages. IFT Ann. Mtg. & Food Expo, Anaheim, CA. 06-10 Jun.
- Hignight, J., B. Watkins, and **M. Anders**. 2009. Risk and Profits: Comparing Tillage and Rotation. Presented at the 2009 Rice Research & Extension Center Field Day, Stuttgart, Arkansas, 12. Aug.
- Ross, J.** 2009. Soybean Seed Quality: Review of 2008 Quality Survey and Impact on Reduced-Tillage Soybean Production. 12th Annual Nat'l Conservation Systems Cotton & Rice Conference. Marksville, LA. 26-27 Jan.
- Horax, R., N.S. Hettiarachchy, **P. Chen**, and M. Jalaluddin. 2009. Physicochemical and Functional Properties of Protein Isolate from Bitter Melon (*Momordica charantia*) Seed as Functional Food Ingredients. IFT Ann. Mtg. & Food Expo, Anaheim, CA. 06-10 Jun.
- Horax, R., N.S. Hettiarachchy, **P. Chen**, and M. Jalaluddin. 2009. Antioxidant Activities of Phenolic Extracts from Seed of Bitter Melon (*Momordica charantia*) Fruit Harvested at Two Maturation Stages. IFT Ann. Mtg. & Food Expo, Anaheim, CA. 06-10 Jun.
- Horax, R., N.S. Hettiarachchy, and **P. Chen**. 2009. Value Added Uses of Bitter Melon (*Momordica charantia*) Seed Protein (Emulsifying Property Enhancement). AOCS Ann. Mtg., Orlando, FL. 03-06 May.
- Jha, P., **J.K. Norsworthy**, M.J. Wilson, and **K.L. Smith**. 2009. Barnyardgrass Emergence and Seed Production in Cotton. Presented at the Beltwide Cotton Conference, San Antonio, TX.
- Jha, P. and **J.K. Norsworthy**. 2009. Palmer Amaranth Persistence in the Soil Seedbank over Four Years. Presented at the WSSA meeting, Orlando, FL.
- Jha, P., **J.K. Norsworthy**, M.J. Wilson, E. McCallister, J. DeVore, and J. Still. 2009. Influence of Late-Season Herbicide Applications on Population Dynamics of Glyphosate-Resistant Palmer Amaranth Biotypes. Presented at the Arkansas Crop Prot. Research Conference, Fayetteville, AR.
- Jha, P. and **J.K. Norsworthy**. 2009. Temperature and Light Requirements for Palmer Amaranth Seed Germination with After-Ripening. Presented at the Beltwide Cotton Conference, San Antonio, TX.
- Jha, P. and **J.K. Norsworthy**. 2009. Maternal and Hormonal Regulation of Seed Dormancy in Palmer Amaranth. Presented at the WSSA meeting, Orlando, FL.

Johnson, D.B., **J.K. Norsworthy**, **R.C. Scott**, J.A. Still, and M.J. Wilson. 2009. Herbicide Programs for Management of Glyphosate-Resistant Johnsongrass in Liberty Link Soybean. Presented at the Arkansas Crop Prot. Research Conference, Fayetteville, AR.

Jones, G.T., **J.K. Norsworthy**, S.K. Bangarwa, D.B. Johnson, and J.D. DeVore. Effect of Imazosulfuron Rate and Timing on Weed Control in Rice. Presented at the Arkansas Crop Prot. Research Conference, Fayetteville, AR.

Wilson, M.J., **J.K. Norsworthy**, D.B. Johnson, E.K. McCallister, J.D. DeVore, G.M. Griffith, and S.K. Bangarwa. 2009. Evaluation of Herbicide Programs for Controlling ALS-Resistant Barnyardgrass in Rice. Presented at the Arkansas Crop Prot. Research Conference, Fayetteville, AR.

Kelley, J.P., S. Monfort, E. Milus. 2009. Wheat Variety and Fungicide Response. Mid South Association of Wheat Scientists Ann. Mtg.. Olive Branch, MS.

Kelley, J.P. 2009. Corn Planting Dates for the Mid-South. Mid-South Cotton and Rice Tillage Conference, Marksville, LA.

King, C.A., and **L.C Purcell**. 2009. Dynamics of Shoot Nitrogen and Ureide Concentrations During Crop Development among Diverse Soybean Genotypes. ASA and CSSA Nat'l Mtg. Pittsburgh, PA. 01-05 Nov.

Li, Y.H., R.X. Guan, Z.X. Liu, R.Z. Chang, M.J.M. Smulders, **P. Chen**, and L.J. Qiu. Hierarchical Genetic Structure and Diversity of Cultivated Soybean Landraces in China. World Soybean Research Conference VIII. Beijing China. 10-15 Aug.

Li, S., **P. Chen**, G.L. Hartman, R. Smith, and R. Nelson. 2009. Research Highlights on Soybean Phomopsis Seed Decay in the US: Pathogen Characterization, Germplasm Screening, and Genetic Resistance. World Soybean Research Conference VIII. Beijing China. 10-15 Aug.

Li, D., **P. Chen**, A. Shi, B. Zhang, and A. Hou. 2009. Inference of Resistance Genes for Soybean Mosaic Virus in Chinese Differential Soybean Geneotypes. World Soybean Research Conference VIII. Beijing China. 10-15 Aug.

Longer, D.E. and Matthew Marsh. 2009. Sustainable Nitrogen Use in Field Corn Production. Presented at CSES High School Invitational Field and Study Day. 07 Oct.

Malik, M.S., **J.K. Norsworthy**, M.B. Riley, and P. Jha. 2009. Influence of Temperature and Light on Wild Radish (*Raphanus raphanistrum*) Germination over a 12-Month Period. Presented at the WSSA meeting, Orlando, FL.

Malik, M.S., **J.K. Norsworthy**, M.B. Riley, and P. Jha. 2009. Glucosinolate Variation among Wild Radish (*Raphanus raphanistrum*) Accessions. Presented at the WSSA meeting, Orlando, FL.

Mastrodomenico, A.T., **L.C. Purcell**, and C.A. King. 2009. Soybean Nitrogen Fixation at Different Reproductive Stages and Water Regimes. ASA and CSSA Nat'l Mtg. Pittsburgh, PA. 01-05 Nov.

Mastrodomenico, A.T., **L.C. Purcell**, and C.A. King. 2009. Soybean Nitrogen Fixation and Nitrogen Allocation Response to Drought at Different Reproductive Stages. ACPA Res. Conf. Fayetteville, AR. 30 Nov.- 01 Dec.

McCallister, E.K., **J.K. Norsworthy**, J.D. DeVore, J.A. Still, M.J. Wilson, S.K. Bangarwa, G.T. Jones, D.B. Johnson, and G.M. Griffith. 2009. Herbicide Combinations with Permit for Hemp Sesbania Control in Rice. Presented at the Arkansas Crop Prot. Research Conference, Fayetteville, AR.

McClung, A.M., E. Boza, S. Brooks, J. Correll, G. Eizenga, R. Fjellstrom, D.E. Groth, Y. Jia, F. Jodari, S. Linscombe, G. Lui, **K.A.K. Moldenhauer**, J. C. Nelson, J. Oard, S. Pinson, B. Prasad, B.E. Scheffler, K. Yeater, and Y. Wang. 2009. RiceCAP: Progress in Identifying QTL for Sheath Blight Resistance and Milling Yield. ASA-CSSA-SSSA 2009 InterNat'l Ann. Mtg. Footprints in the Landscape: Sustainability Through Plant and Soil Sciences. Pittsburgh, PA. 01-05 Nov.

Medrano G., N. Rubio, J. Radin, **V. Srivastava**, A. Lorence, and M.C. Dolan. 2009. Strategies for Improving Recombinant Protein Expression in Transient and Stable Plant-Based Bioproduction Platforms. Presented at 9th IPMB Congress. St. Louis, MO. 25-30 Oct.

Moldenhauer, K.A.K., 2009. The ARPT and Potential Variety Releases. Rice Breeders Conference, Stuttgart, AR. 05 Feb.

Moldenhauer, K.A.K. 2009. Overview of Rice Production, Growth and Development and Economic Importance to Arkansas. 5th and 6th graders from Hope, Dale Bumpers Nat'l Rice Research Center. Stuttgart, AR. 22 Apr.

Mozaffari, M. 2009. Current Research on Using Poultry Manure and Biosolids for Wheat, Corn, and Cotton Production. Presentation at the Workshop on Soils, Poultry Manure, and Biosolids. Lon Mann Cotton Research Station. Marianna AR. 23 Feb.

Mozaffari, M. 2009. Evaluation of Organic Sources of Nitrogen for Cotton Production. Presented at the Judd Hill Technology Field Day. Judd Hill AR., Sept.

Mozaffari, M. 2009. Alternative N Fertilizers for Corn Production. Lee and Philips County Corn Production Meeting. Marianna AR. 05 Feb.

Mozaffari, M. 2009. Soil Properties That Influence Soil Productivity. Presentation at the Workshop on Soils, Poultry Manure, and Biosolids. Lon Mann Cotton Research Station. Marianna AR. 23 Feb.

Mozaffari, M. 2009. Everything You Wanted to Know about Poultry Litter, Biosolids, and Field Research. Presentation at the Workshop on Soils Poultry Manure and Biosolids. Lon Mann Cotton Research Station. Marianna AR. 23 Feb.

Mozaffari, M. and **N.A. Slaton.** 2009. Corn Response to Organic and Inorganic Sources of Nitrogen. Presented at the ASA InterNat'l Mtg of the ASA. Pittsburgh, PA. 01-05 Nov.

Mozaffari, M. 2009. Research on Poultry Litter and Biosolids. Jackson County Crop Production Meeting. Newport AR. 11 Jan.

Mozaffari, M. 2009. Using Poultry Manure and Biosolids in Cotton Production. Craighead County Cotton Production Meeting. Jonesboro AR. 04 Feb.

Mozaffari, M. 2009. Alternative N Fertilizers for Corn Production. Lee County Corn Production Meeting. Marianna AR. 16 Jan.

Mozaffari, M. 2009. How to Use Poultry Manure and Biosolids in Cotton Production. Crittenden County Cotton Production Meeting. Marion AR. 04 Feb.

Nandy, S. and **V. Srivastava.** 2009. Intermolecular Recombination Efficiencies of FLP-FRT and Cre-Lox in Rice. IPMB, St. Louis, 25-30 Oct.

Norman, Richard. 2009. Nitrogen Soil Test for Rice. Pine Tree Experiment Station Field Day. Colt, AR. 20 Aug.

Norman, Richard. 2009. Nitrogen Soil Test for Rice. Rice Research and Extension Center Field Day. Stuttgart, AR. 12 Aug.

Norman, Richard. 2009. Nitrogen Fertilization of Rice and the New Nitrogen Soil Test for Rice. CES Meeting. Rice Research and Extension Center. Stuttgart, AR. 15 Dec.

Norman, Richard. 2009. Nitrogen Soil Test for Rice. LSU Rice Station Field Day. 100th Anniversary. Crowley, LA. 01 Jul.

Norman, Richard. 2009 Nitrogen Fertilizers and Stabilizers. RFD-TV "LIVE" (one hour television program). Nashville, TN. 05 Jan.

Norman, Richard. 2009. Presentation of Rice Proposals for Delta Ecosystem to Rice Research Board. Little Rock, AR. 04 Mar.

Norman, Richard. 2009. Nitrogen Fertility of Corn, Rice, and Wheat. CES Meeting. Pocahontas, AR. 11 Feb.

Norman, Richard. 2009. Nitrogen Fertilization of Rice and the New Nitrogen Soil Test for Rice. CES Meeting. University of Missouri Delta Center, Portageville, MO. 24 Nov.

Norsworthy, J.K., K.L. Smith, L.E. Steckel, and C.H. Koger. 2009. Gin Trash: Potential for Weed Seed Dispersal. Presented at the Beltwide Cotton Conf., San Antonio, TX.

Norsworthy, J.K., R. Scott, K. Smith, J. Still, L. Estorninos, Jr., and S. Bangarwa. 2009. Confirmation and Management of Clomazone-Resistant Barnyardgrass in Rice. Presented at the WSSA meeting, Orlando, FL.

Norsworthy, J.K., P. Neve, **K.L. Smith,** C.L. Foresman, and I. Zelaya. 2009. Use of a Model to Determine the Impact of Herbicide Resistance Selection and Cultural Practices on Glyphosate Resistance Evolution in Palmer Amaranth. Presented at the Beltwide Cotton Conf., San Antonio, TX.

Norsworthy, J.K. 2009. Use of Liberty Link Soybean and Other Strategies to Control Glyphosate-Resistant Johnsongrass. Presented to scientists with Bayer Crop Science, West Memphis, AR.

Oosterhuis, D.M. 2009. Absorption of Foliar Applied Nitrogen by Cotton. Internat'l Plant Nutrition Colloquium XVI, 26-30 Aug. Sacramento, CA.

Osmond, D.L., D. Meals, M. Arabi, D. Hoag, A. Luloff, **A. Sharpley,** D. Line, G. Jennings, M. McFarland, and J. Spooner. 2009. The CSREES-CEAP Synthesis and Preliminary Lessons Learned. 17th Nat'l Nonpoint Source Monitoring Workshop. New Orleans, LA.

Osmond, D.L., D. Meals, M. Arabi, D. Hoag, A. Luloff, **A. Sharpley,** D. Line, G. Jennings, M. McFarland, and J. Spooner. 2009. Initial Progress of the CEAP Synthesis: Year One. USDA Water Conference. St. Louis, MO.

Purcell, L.C., T.E. Carter, Jr., T.R. Sinclair, C. A. King, **P. Chen,** H.R. Boerma, J.D. Ray, D.V. Charlson, J. Orf, J.E. Specht, T. Rufty, and F. Fritschi. 2009. Tweaking the Genetics and Physiology of Soybean to Increase Dryland Yields. American Seed Trade Association Ann. Mtg., Chicago, IL. 08-11 Dec.

Purcell, L.C. 2009. Managing Light and Nitrogen Resources for Specific Environments. Enhancing Soybean Productivity for the 21st Century - Tsukuba Internat'l Congress Center, Tsukuba, Japan. 29 Mar.

Rayaprolu, S., N.S. Hettiarachchy, **P. Chen,** and A. Kannan. 2009. Evaluation of Soy Peptides from R95-1705, N98-4445A, and S03-543CR Cultivars against Cancer Cell Proliferation. AOCS Ann. Mtg., Orlando, FL. 03-06 May.

Rorie, R.L., **L.C. Purcell,** D.E. Karcher, C.A. King, and M. Mozzafari. 2009. Characterizing Leaf N with Digital Images and the Association of 'Greenness' with Yield. ASA and CSSA Nat'l Mtg. Pittsburgh, PA. 01-05 Nov.

Rorie, R.L., **L.C. Purcell**, D.E. Karcher, C.A. King, and M. Mozzafari. 2009. Characterizing Leaf N with Digital Images and the Association of "Greenness" with Yield. ACPA Res. Conf. Fayetteville, AR. 30 Nov.-01 Dec.

Rosso, L., J. C. Rupe, L. Mozzoni, **P. Chen**, and C. Rothrock. 2009. Resistance to *Pythium Aphanidermatum* Conferred by a Single Gene in Archer Soybean. World Soybean Research Conference VIII. Beijing China. 10-15 Aug.

Scott, J.T., B.E. Haggard, and **A.N. Sharpley**. 2009. Denitrification in Ponds and Reservoirs in the White River Basin. Soil and Water Conservation Society, Kansas City, MO. 14-16 Sept.

Scott, J.T., R. Shaftel, J. Taylor, J. Back, B. Brooks, and R. King. 2009. Does Nutrient Enrichment Decouple Algal-Bacterial Production in Periphyton? Part II: Experimental Evidence. North American Benthological Society, Grand Rapids, MI. 17-22 May.

Sharma, Megha V., Stella Kantartzi, David Weaver, Edward Van Santen, and **James Mac D. Stewart**. 2009. Reniform Nematode Resistance in *Gossypium hirsutum* by Association Analysis with SSRs. ASA Abst.

Sharpley, A.N. 2009. Existing Data on Agricultural Practices, BMP Implementation, and BMP Efficiencies. World Resources Institute meeting Evaluating the Potential Benefits of Large-Scale Interstate Water Quality Trading for Nutrients in the Mississippi River Basin: Credit Supply Estimates. Little Rock, 23 Nov.

Siebenmorgen, T.J., R.C. Bautista, **P.A. Counce**, K.B. Watkins, and E. Wailes. 2009. Milling Quality. UofA Rice Research and Extension Center Field Day. Stuttgart, AR. 12 Aug.

Steckel, L.E., C.L. Main, **J.K. Norsworthy**. 2009. An Update on Glyphosate-Resistant Weeds in Tennessee. Presented at the Beltwide Cotton Conference, San Antonio, TX.

Still, J.A., **J.K. Norsworthy**, G.M. Griffith, E. McCallister, J. DeVore, and M.J. Wilson. 2009. Use of Paraquat Alone and with PSII-Inhibiting Herbicides for Controlling Corn Prior to Replant. Presented at the Arkansas Crop Prot. Research Conference, Fayetteville, AR.

Still, J.A., **J.K. Norsworthy**, S. Bangarwa, M.J. Wilson, G.M. Griffith, **R.C. Scott**, and L.E. Estorninos. 2009. Effect of Postflood Timing and Single Versus Sequential Clincher Applications on Barnyardgrass Control in Rice. Presented at the WSSA meeting, Orlando, FL.

Still, J.A., **J.K. Norsworthy**, S. Bangarwa, M.J. Wilson, G.M. Griffith, **R.C. Scott**, and L.E. Estorninos. 2009. Influence of Adjuvant Selection on Barnyardgrass Control with Clincher in Rice. Presented at the WSSA meeting, Orlando, FL.

Still, J.A., **J.K. Norsworthy**, **K.L. Smith**, G.M. Griffith, and S.K. Bangarwa. 2009. Tolerance and Effectiveness of Over-the-Top Applications of Prowl H20 in Cotton. Presented at the Beltwide Cotton Conference, San Antonio, TX.

Still, J., **J.K. Norsworthy**, G.M. Griffith, and S.K. Bangarwa. 2009. Use of Cereal Cover Crops to Aid Weed Management in Roundup Ready Flex Cotton. Presented at the Beltwide Cotton Conference, San Antonio, TX.

Studebaker, G.E. and **F.M. Bourland**. 2009. Tarnished Plant Response to Cotton Varieties. Beltwide Cotton Prod. Res. Conf., San Antonio, TX.

Teague, T.G. and **F.M. Bourland**. 2009. Feeding Damage and Survival of Tarnished Plant Bug Nymphs in Frego Bract Compared to a Nectariless Cotton Line. Beltwide Cotton Prod. Res. Conf., San Antonio, TX.

Tiwari, R.S., and **J.McD. Stewart**. 2009. Effect of Salt on Several Genotypes of *Gossypium* (Cotton). Arkansas Academy of Science University of the Ozarks, Clarkesville, AR.

Tiwari, R.S., and **J.McD. Stewart**. 2009. Phenotypic Expression of Tetraploid *Gossypium* to Salinity. Beltwide Cotton Conference.

Tiwari, R.S., and J. McD. Stewart. 2009. Evaluation and Identification of Salt Tolerant Genotypes of *Gossypium* Nematode Resistance in *Gossypium hirsutum* by Association Analysis with SSRs (Cotton). Gamma Sigma Delta Student Research Contest. UofA, Fayetteville, AR.

Underwood J., G. Wilson, M.C. Dolan, **V. Srivastava**, and A. Lorence A. 2009. Over-Expression of Ascorbate Biosynthesis Genes for Improved Protein Production in Rice Cells. Abstract presented at: 9th IPMB Congress. St. Louis, MO. 25-30 Oct.

Wang, Y., **P. Chen**, and B. Zhang. 2009. Inheritance and Gene Mapping of Resistance to Powdery Mildew in Soybean. ASA-CSSA-SSSA InterNat'l Ann. Mtg. Pittsburg, PA. 01-05 Nov.

Watkins, K.B., J.A. Hignight, and **M.M. Anders**. 2009. Assessing the Impacts of Soil Carbon Credits and Risk on No-Till Rice Profitability. Southern Agricultural Economics Association Ann. Mtg., 31 Jan. - 03 Feb. Atlanta, GA.

Watkins, B., P. Beck, D. Hubble, **M. Anders**, S. Gunter, S. Gadberry, J. Hignight, and K. Lusby. 2009. Economic Alternatives for Conservation Tillage Small Grains Forage Production in Arkansas. Presented at the 2009 Wheat Grazing Field Day, Gayther Crank Farm, Lewisville, AR, 30 Apr.

Watkins, K.B., J.A. Hignight, and **M.M. Anders**. 2009. Assessing the Impacts of Soil Carbon Credits and Risk on No-Till Rice Profitability. Selected Paper Presented at the 2009 Southern Agricultural Economics Association Ann. Mtg., 31 Jan.-03 Feb. Atlanta, GA.

West, C. 2009. Report on Arkansas Forage Research. North Central Coordinating Committee-31, 24 Jun. Grand Rapids, MI.

West, C.P., J.L. Underwood, D.P. Malinowski, C.A. Guerber, and B.C. Grigg. 2009. Dormancy Indices, Growth Stages, and Forage Quality of Summer Dormant and Summer Active Tall Fescue. Int. Workshop on Summer Dormancy in Grasses. Noble Foundation, Ardmore, OK. 06-08 Apr.

West, C.P., Underwood, J.L., and D. Malinowski. 2009. Trade-Offs in Growth, Persistence, and Quality of Summer-Active and Summer-Dormant Tall Fescues. Ann. Mtg. of ASA, CSSA, SSSA, 01-05 Nov.

West, C. 2009. Arkansas Report on Tall Fescue Drought-Stress Research. SER-AIG-8 Workshop. Cadiz, KY. 04-06 Oct.

Wilson, M.J., **J.K. Norsworthy**, S. Bangarwa, G. Griffith, J. Still, and **R. Scott**. 2009. Effect of Rate and Timing on Broadleaf Weed Control in Rice with DPX-KJM44. Presented at the WSSA meeting, Orlando, FL.

Wilson, M.J., **J.K. Norsworthy**, S. Bangarwa, G. Griffith, J. Still, and **R. Scott**. 2009. Use of RicePyr for Broadleaf Weed Control on Rice Levees. Presented at the WSSA meeting, Orlando, FL.

Entomology

Ali, M. I., and **R. G. Luttrell**. 2009. Monitoring *Helicoverpa zea* susceptibility to Bt toxins: Results of 2008 studies. Beltwide Cotton Conferences, San Antonio, Texas.

Arévalo, L. M., C. A. Avila, R. Navarre, L. Jia, C. Wu and **F. L. Goggin**. 2009. Loss of function of fatty acid desaturase 7 in tomato confers aphid resistance by enhancing salicylic acid accumulation and expression of *α -Dioxygenase*. Arkansas NSF EPSCoR Conference, Little Rock, Arkansas.

Arevalo, L. M. and **F. L. Goggin**. 2009. Effect of and omega-3 fatty-acid desaturase in plant defenses against aphids in tomato. Gamma Sigma Delta Student Competition, Fayetteville, Arkansas.

Arevalo, L. M. and **F. L. Goggin**. 2009. Effect of jasmonic acid on the antioxidant content of tomato fruits. Gamma Sigma Delta Student Competition, Fayetteville, Arkansas.

Avila, C. A., L. M. Arevalo, R. Navarre and **F. L. Goggin**. 2009. Impact of fatty acid desaturase 7 in tomato on aphids, salicylic acid signaling, and oxylipins. *9th International Plant Molecular Biology Congress, St. Louis, Missouri*.

Avila, C.A., K. Carruthers, W. P. Suza, A. Lorence and **F. L. Goggin**. 2009. Influence of modified ascorbate metabolism in plants on an herbivorous insect. Arkansas NSF EPSCoR Annual Conference, Little Rock, Arkansas.

Avila, C.A., K. Carruthers, W. P. Suza, A. Lorence and **F. L. Goggin**. 2009. Role of plant-derived ascorbate in plant-herbivore interactions. *9th International Plant Molecular Biology Congress, St. Louis, Missouri*.

Barnes, J. K. 2009. Adult Diptera from Ozark caves. Entomological Society of America Meeting, Indianapolis, Indiana.

Capps, C., **D. S. Akin**, J. E. Howard and **R. N. Wiedenmann**. 2009. Damage potential and control options of lesser-known stink bug species in southeast Arkansas soybeans. Southeastern Branch Entomological Society of America Meeting, Montgomery, Alabama.

Chapon, L., M. D. Ellis, and **A. L. Szalanski**. 2009. *Nosema* and tracheal mites in the north central region – 2008 survey. American Bee Research Conference, Gainesville, Florida.

Cordero, M., R. T. Robbins and **A. L. Szalanski**. 2009. Taxonomic identification and molecular characterization of nematodes in the suborder Criconematina. Society of Nematologists, Burlington, Vermont.

Ellis, M. D., L. Chapon and **A. L. Szalanski**. 2009. *Nosema* and tracheal mite prevalence in honey bee colonies in the North Central Region of the U.S. North Central Branch Entomological Society of America Meeting, St. Louis, Missouri.

Farnum, J. 2009. Phorid fly distribution in Arkansas. Arkansas Entomological Society Meeting, Little Rock, Arkansas.

Fisher, J. R. and **A.P.G. Dowling**. 2009. Digital illustration: novel techniques for species descriptions. Acarological Society of America, Indianapolis, Indiana.

Haavik, L. J. and **F. M. Stephen**. 2009. Drought events as initiators of northern red oak decline and red oak borer infestation. East Texas Forest Entomology Seminar, Nacogdoches, Texas.

Haavik, L. J. and **F. M. Stephen**. 2009. Population dynamics of red oak borer in the Ozark and Ouachita Mountains. Southern Forest Insect Work Conference, Gulfport, Mississippi.

Haavik, L. J. and **F. M. Stephen**. 2009. Stand and individual tree characteristics associated with historical red oak borer (*Enaphalodes rufulus* (Haldeman) (Coleoptera: Cerambycidae) infestation within the Ozark and Ouachita National Forests. Entomological Society of America Meeting, Indianapolis, Indiana.

Haavik, L. J., M. K. Fierke and **F. M. Stephen**. 2009. Deciphering the role of host resistance to a native borer during an oak decline event. IUFRO Working Party 7.03.11 Conference "*Tree resistance to Insects*," Dolomite Mountains, Italy.

Johnson, D. 2009. Managing Japanese beetles, foliar grape phylloxera, raspberry crown borer and rednecked cane borer. Midwest Fruit Workers meeting, Indianapolis, Indiana.

Johnson, D., B. Lewis, C. Rom, H. Friedrich, R. Bryant and M. Pszczolkowski. 2009. Organic fruit production needs and pest management practices in the southeastern United States. Organic Fruit Conference, International Society of Horticultural Science, Modena, Italy.

Johnson, D., B. Lewis and C. Rom. 2009. Pest management program for organic blackberries. Entomological Society of America Meeting, Indianapolis, Indiana.

Johnson, D., B. Lewis, and C. Rom. 2009. Pest management program for organic blackberries. Entomological Society of America Meeting, Indianapolis, Indiana.

Jones, J. J., J. A. Tullis and **F. M. Stephen.** 2009. Detecting forest canopy change using NDWI: A historical look at the red oak borer outbreak. Southern Forest Insect Work Conference, Gulfport, Mississippi.

Jones, J. S., J. A. Tullis and **F. M. Stephen.** 2009. Detecting forest canopy change using NDWI: an historical look at the red oak borer outbreak. East Texas Forest Entomology Seminar, Nacogdoches, Texas.

Kim, S., J. C. Wise, A. Gökçe and M. E. Whalon. 2009. Novaluron exposure to different sexes reduces egg viability, effects of topical application and horizontal transfer to eggs in codling moth (Lepidoptera: Tortricidae). Student Competition, Arkansas Crop Protection Association meeting, Fayetteville, Arkansas.

Kim, S., J. C. Wise and M. E. Whalon. 2009. Effects of Novaluron on *Trichogramma platneri Nagarkatti* (Hymenoptera: Trichogrammatidae), a parasitoid of codling moth (Lepidoptera: Tortricidae). Student Competition, Entomological Society of America Meeting, Indianapolis, Indiana.

Kring, T. J., D. D. Duguma, **R. N. Wiedenmann** and C. Minter. 2009. Biological control of spotted knapweed in Arkansas: what's next? Southeastern Branch Meeting, Entomological Society of America, Montgomery, Alabama.

Kring, T. J., D. D. Duguma, **R. N. Wiedenmann** and C. Minter. 2009. Evaluation and redistribution of spotted knapweed natural enemies in Arkansas. 6th International IPM Symposium, Portland, Oregon.

Kring, T. J. 2009. Wheat entomology research in Arkansas: unfunded efforts. Arkansas Wheat Research and Promotion Board, Little Rock, Arkansas.

Kulkarni, S., W. P. Suza, **F. L. Goggin** and A. Lorence. 2009. Metabolic engineering of vitamin C in tomato via over-expression of genes in the myo-inositol pathway. 9th International Plant Molecular Biology Congress, St. Louis, Missouri.

Luttrell, R. G. 2009. Pecan insect observations in southwest Arkansas: Linkages to Louisiana and Oklahoma IPM programs. Southwestern Branch Meeting, Entomological Society of America, Stillwater, Oklahoma.

Luttrell, R. G., J. A. Smith, R. N. Wiedenmann, J. K. Barnes and M. K. Harris. 2009. Pecan nut casebearer in Arkansas: from overwintering hibernacula to ipmPIPE. Arkansas Entomological Association Meeting, Little Rock.

Magnus, R. A. and **A. L. Szalanski.** 2009. Genetic structure of honey bee populations in the south central United States. University of Arkansas Graduate Student Research Symposium.

Magnus, R. A. and **A. L. Szalanski.** 2009. Genetic structure of honey bee populations in the south central United States. Gamma Sigma Delta Student Competition, Fayetteville, Arkansas.

Magnus, R. and **A. L. Szalanski.** 2009. Genetic variation of honey bees from central United States. Arthropod Genomics Symposium, Kansas City, Missouri.

Magnus, R. and **A. L. Szalanski.** 2009. Genetic variation in honey bees (*Apis mellifera*) from central and southern United States. Entomological Society of America Meeting, Indianapolis, Indiana.

McLeod, P. 2009. Vegetable insects and their management. Springtown, Belize Mennonite Growers Association, Springtown, Belize.

McLeod, P. 2009. Insecticide seed treatments for Arkansas vegetables. Ozark Food Producers Association annual meeting. Springdale, Arkansas.

McLeod, P. 2009. Production of small vegetable gardens in the upper Amazon River: Insect management. Seminars were provided to the native inhabitants of six villages along the Rio Paragua in eastern Bolivia. Center of Tropical Agriculture Investigation (CIAT).

McLeod, P. 2009. The Farmer to Farmer Program: Changing agriculture throughout the world. Center of Tropical Agriculture Investigation (CIAT), Santa Cruz, Bolivia.

McLeod, P. 2009. The Farmer to Farmer Program: Changing agriculture throughout the world. Invited keynote speaker at the annual meeting of the Arkansas - eastern Bolivia Partners of the Americas. Heifer International, Little Rock, Arkansas.

McLeod, P. 2009. Spinach insects: webworms and aphids. International Spinach Meeting, Fayetteville, Arkansas.

Meisch, M. V. 2009. State of riceland mosquito research. S1029 Riceland Regional Project, San Antonio, Texas.

Meisch, M. V. 2009. Mosquito control. Clarke Mosquito Control Workshop for municipal and county Abatement Personnel, Tulsa, Oklahoma.

Minteer, C. 2009. Got knapweed? Implementation of a spotted knapweed biological control program in Arkansas. Arkansas Entomological Society Annual meeting, Little Rock, Arkansas.

Minteer, C. R., **T. J. Kring**, Y. J. Shen and **R. N. Wiedenmann.** 2009. The spotted knapweed biological control program moves to Arkansas. Entomological Society of America Meeting, Indianapolis, Indiana.

Narinderpal, S., **D. Johnson** and D. Steelman. 2009. Chemical ecology and management of lesser mealworm *Alphitobius diaperinus*. Student Competition, Entomological Society of America Meeting, Indianapolis, Indiana.

Pallipparambil, G. R., J. C. Reese, F. Francis, L. Jia and **F. L. Goggin.** 2009. Comparison of potato aphid isolates with differing sensitivity to host plant resistance in tomato. Southeastern Branch Meeting, Entomological Society of America, Montgomery, Alabama.

Reed, A. S., S. A. Billings, L. J. Haavik and **F. M. Stephen.** 2009. Stable isotope evidence of northern red oak (*Quercus rubra*) susceptibility to disturbance events. National Meeting, Ecological Society of America, Albuquerque, New Mexico.

Smith, J. A., **R. G. Luttrell** and **R. N. Wiedenmann.** Observations of overwintering hibernacula on pecan in southwest Arkansas and northeast Texas. Entomological Society of America Meeting, Indianapolis, Indiana.

Smith, J. A., **R. G. Luttrell**, and **R. N. Wiedenmann.** 2009. Observations of overwintering hibernacula on pecan in southwest Arkansas and northeast Texas. Undergraduate oral presentation, Entomological Society of America Meeting, Indianapolis, Indiana.

Solorzano, C. and **A. L. Szalanski.** 2009. Genetic diversity of honey bees from Turkey. Arthropod Genomics Symposium, Kansas City, Missouri.

Solorzano, C. and **A. L. Szalanski.** 2009. Phylogeography of honey bee populations in Turkey. Gamma Sigma Delta Student Competition, Fayetteville, Arkansas.

Solorzano, C. D., **A. L. Szalanski**, R. H. Scheffrahn, J. W. Austin and R. E. Gold. 2009. Mitochondrial DNA genetic diversity of the drywood termites, *Incisitermes minor* and *I. snyderi*. Entomological Society of America Meeting, Indianapolis, Indiana.

Steinkraus, D. C., F. M. Stephen and J. M. Meyers. 2009. Interactions between red oak borer and (*Enaphalodes rufulus*) and the fungus *Beauveria bassiana*. Entomological Society of America Meeting, Indianapolis, Indiana.

Steinkraus, D. C. 2009. Amazing bees and threats to our pollinators. National Pollinator Week, Butterfly Festival, Mt. Magazine, Arkansas.

Steinkraus, D. C. 2009. The buzz about bees. Butterfield Trail Village, Fayetteville, Arkansas.

Steinkraus, D. C. 2009. It will BEE interesting. Osher Lifelong Learning Institute's Dine and Discover Program, University of Arkansas, Fayetteville, Arkansas.

Steinkraus, D. C. 2009. What PCO's need to know about Africanized honey bees. Three, 40 minute talks to 3 groups of Terminix employees. University of Arkansas, Fayetteville, Arkansas.

Steinkraus, D. C. 2009. Photographing the miniatures of life. Osher Lifelong Learning Institute (OLLI) of the University of Arkansas.

Suza, W. P., C. A. Avila, K. Carruthers, **F. L. Goggin** and A. Lorence. 2009. Influence of mechanical wounding on ascorbate metabolism in Arabidopsis and tomato. *9th International Plant Molecular Biology Congress, St. Louis, Missouri.*

Suza, W. P., S. Kulkarni, C. A. Avila, K. Carruthers, **F. L. Goggin** and A. Lorence. 2009. Effect of mechanical wounding on ascorbate metabolism in Arabidopsis and tomato. Arkansas NSF EPSCoR Annual Conference, Little Rock, Arkansas.

Szalanski, A. L. and R. M. Magnus. 2009. Genetic variation of Africanized honey bees in the United States. North Central Branch Meeting, Entomological Society of America, St. Louis, Missouri.

Szalanski, A. L., J. Whitaker and P. Cappy. 2009. Molecular diagnostics of *Nosema ceranae* and *N. apis* from honey bees in New York. North American Beekeeping Conference, Orlando, Florida.

Trout, R. T., **C. D. Steelman** and **A. L. Szalanski**. 2009. Phylogenetics and population genetics of the louse fly, *Lipoptena mazamae* from Arkansas, USA. Entomological Society of America Meeting, Indianapolis, Indiana.

Trout, R. T., **C. D. Steelman**, **A. L. Szalanski** and P. C. Williamson. 2009. *Borrelia* pathogens present in Arkansas canines, deer, and their associated ticks. Competition, Southeastern Branch Meeting, Entomological Society of America, Montgomery, Alabama.

Trout, R. T., **C. D. Steelman**, **A. L. Szalanski**, K. Kvamme and P. C. Williamson. 2009. Genetic and spatial identification of *Borrelia* pathogens isolated from Arkansas ticks and mammals. Gamma Sigma Delta Student Competition, Fayetteville, Arkansas

Trout, R. T. **C. D., Steelman, A. L. Szalanski** and P. C. Williamson. 2009. Ticks and their associated pathogens interacting with deer. Arkansas Wildlife Society Meeting, Pine Bluff, Arkansas.

Trout, R. T., **C. D. Steelman**, **A. L. Szalanski** and P. H. Williamson. 2009. Genetic and spatial identification of *Rickettsia* in Arkansas. Livestock Insect Workers Conference, French Lick, Indiana.

Trout, R. T., **C. D. Steelman** and **A. L. Szalanski**. 2009. Population genetics and phylogeography of *Ixodes* ticks from Arkansas. Livestock Insect Workers Conference, French Lick, Indiana.

Tullis, J. A., J. S. Jones, J. M. Guldin, **F. M. Stephen**, B. Culpepper and P. Smith. 2009. Integrated remote sensing-assisted decision support for red oak borer hazard response. Association of American Geographers Annual Meeting, Las Vegas, Nevada.

Whitaker, J. and **A. L. Szalanski**. 2009. Molecular detection and occurrence of *Nosema ceranae* from Turkish honey bees. Arthropod Genomics Symposium, Kansas City, Missouri.

Whitaker, J. T. and **A. L. Szalanski**. 2009. Distribution and molecular detection of *Nosema ceranae* in US honey bees. Entomological Society of America Meeting, Indianapolis, Indiana.

Wiedenmann, R. N. 2009. Biological control of purple loosestrife, an invasive wetland weed. Presentation made to Terminix, Inc., pest control operators. Fayetteville, Arkansas.

Wiedenmann, R. N., and S. Raghu. 2009. Concerns about invasiveness of biofuel crops. Arkansas Entomological Society meeting, Little Rock, Arkansas.

Wiedenmann, R. N., and T. N. Wood. 2009. Biofuel education and outreach at the University of Arkansas, USA. Biosecurity in the New Bioeconomy Meeting, Canberra, Australia.

Wood, T. N., **R. N. Wiedenmann** and **T. J. Kring**. 2009. Biofuel crops and pest management. Arkansas Crop Protection Association meeting, Fayetteville, Arkansas.

Wood, T. N., M. Richardson, D. A. Potter, **R. N. Wiedenmann**, **D. T. Johnson** and **D. C. Steinkraus**. 2009. Ovipositional preferences of the Japanese beetle (Coleoptera: Scarabaeidae) among warm- and cool-season turfgrass species. 6th International Integrated Pest Management Symposium, Portland, Oregon.

Food Science

Bautista, R.C. and **Siebenmorgen, T.J.** Property database sampling. University of Arkansas Rice Research and Extension Center Field Day, August 2009, Stuttgart, AR.

Crandall, P.G. and O'Bryan, C.A. Perspectives on Organic Poultry, Consumer Perceptions, Opportunities and Regulatory Issues. Invited presentation to the newly forming Arkansas Pastured Poultry Association, March 2009, Berryville, Arkansas.

Crandall, P.G. Cost effective strategies for minimizing *Listeria monocytogenes* in the retail deli. Arkansas Association for Food Protection. Retail Food Safety -- A Catalyst for Change, October, 2009. Springdale, Arkansas.

Devareddy, L. 2009. Nutrition and Toxicology. Butterfield Trail Village, Fayetteville, Arkansas.

Devareddy, L. The Power of Nutrition. Health Fair, Fayetteville, Arkansas.

Gilbert, W.C., **Devareddy, L.**, Gadang, V., Goodgame, S., **Proctor, A.**, and Jain, V.P. The Anti-Obesity Effects of Dietary *trans,trans*-Conjugated Linoleic Acid-Rich Soy Oil in Obese Zucker Rats. Arkansas Biosciences Institute Fall Research Symposium, September 2009.

Devareddy, L. Functional Foods and Chronic Diseases of Inflammatory Origin. NSF-EPCOR meeting, 2009, Little Rock, Arkansas.

Howard, L.R. Chemical factors influencing berry quality and health benefits. Driscoll's Research and Development, June 24, 2009, Watsonville, CA.

Howard, L.R. Processing and storage effects on blueberry polyphenolics. Arkansas Biosciences Institute Fall Research Symposium, September 2009, Jonesboro, AR.

Howard, L.R. Processing and storage effects on blueberry polyphenolics and antioxidant capacity. Arkansas Farm to School Conference, November 12, 2009, Little Rock, AR.

Howard, L.R. Effect of processing on blueberry polyphenolics and anti-obesity properties. LSU Department of Food Science Seminar, November 2009, Baton Rouge, LA.

Kadamne, J., Jain, V.P., and **Proctor, A.** ATR-FTR measurement of conjugated linoleic acid (CLA) in CLA rich oil. Arkansas Biosciences Institute Fall Research Symposium, September 2009.

Kuefner, M., Martin, E.M., **Crandall, P.G.**, Johnson, M.G., O'Bryan, C.A. and Marcy, J.A. 2009. The effects of heat and sanitizing agents on the survival of *Listeria monocytogenes* on deli slicer components. Arkansas Association for Food Protection, Retail Food Safety -- A Catalyst for Change, October 2009, Springdale, Arkansas.

Melendez, S.N., Hanning, I., Biswas, D., Roesler, M., Nayak, R., Herrera, P., Jones, F.T., and **Ricke, S.C.** Characterization of *Salmonella* and *Campylobacter* isolated from pasture flock poultry. Arkansas Association for Food Protection, Retail Food Safety -- A Catalyst for Change, October 2009, Springdale, AR.

Milillo, S. and **Ricke, S.C.** Efficacy of acidified organic salt solutions in combination with thermal treatment at reducing *Salmonella* Typhimurium populations. Arkansas Association for Food Protection, Retail Food Safety -- A Catalyst for Change, October 2009, Springdale, AR. Pendleton, S., **Crandall P.G.**, **Ricke, S.C.**, O'Bryan, C.A. and Goodridge, L. 2009.

Determination of minimum inhibitory concentration of cold pressed Valencia orange oil for E coli O157:H7. Arkansas Association for Food Protection, Retail Food Safety -- A Catalyst for Change, October 2009, Springdale, AR.

Shannon, E., Milillo, S., Ricke, S.C., and Johnson, M.G. Effect of cell membrane disrupting antimicrobial agents on *Listeria monocytogenes* during cold growth. Arkansas Association for Food Protection, Retail Food Safety -- A Catalyst for Change, Octpber 2009 Tyson Foods, Springdale, AR.

Siebenmorgen, T.J. Overview of the U of A Rice Processing Program with emphasis on rice drying research. A presentation to PIRAHY Foods of Brazil, January 2009, Fayetteville, AR.

Siebenmorgen, T.J. Experimentation and plans in rice drying. Presentation and planning meeting with Buhler, August 2009, Fayetteville, AR.

Siebenmorgen, T.J. An overview of the U of A Rice Processing Program. Presentation to representatives of BASF, August 2009, Fayetteville, AR.

Siebenmorgen, T.J., Saleh, M.I., Bautista, R.C. and Counce, P.A. Explaining the causes of milling quality reduction. University of Arkansas Rice Research and Extension Center Field Day, August 2009, Stuttgart, AR.

Siebenmorgen, T.J. Efforts to address sustainability in the rice industry. Presentation to the Arkansas Agricultural Development Council, August 2009, Little Rock, AR.

Sirsat, S.A., Muthaiyan, A., **Crandall, P.G.,** and **Ricke, S.C.** *Salmonella* Typhimurium viability and gene expression during exposure to citrus-based compounds. Arkansas Association for Food Protection, Retail Food Safety -- A Catalyst for Change, Octpber 2009 Tyson Foods, Springdale, AR.

Van Loo, E., Milillo, S., **Ricke, S.C., Seideman, S.,** and **Crandall, P.G.** Consumer perception about RTE deli foods. Arkansas Association for Food Protection, Retail Food Safety -- A Catalyst for Change, October 2009 Tyson Foods, Springdale, AR.

Horticulture

Choi, H.S. and **C.R. Rom.** 2009. Nitrogen use, partitioning and surplus in a young organic apple orchard. Korean Assoc. Of Organic Agriculture, national conference. Association of Organic Agriculture Conference.

Clark, John R. Arkansas 180: Breeding blackberries in Arkansas. On-line video interview produced by University Relations on the blackberry breeding program. Authored by Barbara Jaquish.

Clark, John R. Ozarks At Large – KUAF National Public Radio Segment: Arkansas blackberries grow past state borders, August 2009. Authored by Brian Rachal.

Clark, John R. Research Frontiers, Spring 2009: Evolving A.D.: After Darwin, science exploded. Fruit breeding program highlighted among UA programs involved with science related to evolution, pg 23. Authored by Barbara Jaquish and Melissa Blouin.

Clark, John R. Fruit Grower News, January 2009. Arkansas peaches reach out for markets, pg 24-25. Article in national trade publication authored by Dick Lehnert.

Clark, John R. Fruit Grower New, February 2009. Exceptional Blackberries: University of Arkansas still leads the breeding effort, pg 30-31. Article in national trade publication authored by Dick Lehnert.

Clark, John R. Southeast Farm Press, February 11, 2009. Two new berry varieties available (online publication). Article in regional trade publication authored by Chris Bickers.

Clark, John R. American Fruit Grower, May 2009. Blackberry boom, pg 26-28. Article in national trade publication authored by Laura Drotleff.

Clark, J.R. 2009. Peach breeding field tour update. Presented at the Peach Field Day, Fruit Research Station, Clarksville, July, 9, 2009.

Clark, J.R. 2009. Specialty crops; The new recognition for horticulture in the national agriculture policy. UA Dept of Horticulture Seminar, February 18, 2009.

Clark, J.R. 2009. U of A muscadine breeding program. Presented at the Muscadine Shortcourse, Fruit Research Station, January 15, 2009, Clarksville, AR.

Evans, M.R. 2009. Presented one poster on the Alliance for Cooperative Course Exchange at the American Society for Horticultural Sciences. St. Louis, MO. July 25 – 28, 2009.

Evans, M.R., J. Kuehny and M. Taylor. 2009. Biocontainers offer several choices. GMPro Magazine. January. p. 22-24.

Garcia, M.E. 2009. Sustainable Fruit Production- Mid-America Fruit Growers Association- Columbia, MO.

Garcia, M.E. 2009. *NOFA- UVM- Summary of Research in an Organic Apple Orchard- S. Burlington, VT.

Garcia, M.E. 2009. Fruit Production in the Home Garden- Bountiful Arkansas- WRI- Petit Jean.

Garcia, M.E. 2009. A to Z of Muscadine Production –Adv Master Gardeners- Clarksville.

Jellicorse, W.R., **M.D. Richardson, A.J. Patton, and D.E. Karcher**. 2009. Light requirement for emergence of turf-type bermudagrass seed. 2009 ASA/CSSA/SSSA International Annual Meetings, Pittsburgh, PA.

Karcher, D.E. Gadgets and gizmos: how to best use measurement technology. 8 hour seminar at the GCSAA Golf Industry Show. New Orleans, LA. February, 2009.

Karcher, D.E. Phosphorous and turf establishment: how to best use measurement technology. 2009 University of Arkansas Turfgrass Field Day. Fayetteville, AR. August, 2009.

Karcher, D.E. Gadgets and gizmos: how to best use measurement technology. 2009 University of Arkansas Turfgrass Field Day. Fayetteville, AR. August, 2009.

Karcher, D.E. and **M.D. Richardson**. 2009. Gadgets and Gizmos. An 8 hour education program presented at the Golf Industry Show, New Orleans, LA. Kauffman, J.M., J.C. Sorochan.

D.E. Karcher, M.D. Richardson, T.J. Samples, and A. Thoms. Segway and golf car wear on dormant bermudagrass fairways. International Turfgrass Society Meeting, Santiago Chile, July 2009.

Patton, A., and J.M Trappe. Jan. 2009. Performance of Anderson experimental fertilizers on two zoysiagrass cultivars. Technical report prepared for The Andersons Inc., Maumee, Ohio.

Patton, A., M. Richardson, and D. Karcher. June 2009. 2007 NTEP ancillary traffic tolerance bermudagrass trial. Technical report prepared for National Turfgrass Evaluation Program.

Patton, A. Sept. 2009. Crabgrass Control with Tank Mixes of SedgeHammer and Quali-Pro Quinclorac. Technical report prepared for Quali-Pro Turf and Ornamental Products.

Patton, A.J. and J.M. Trappe. Sept. 2009. Controlling dollar spot on creeping bentgrass with fungicides. Technical report prepared for DuPont.

Patton, A.J. and J.M. Trappe. Sept. 2009. Controlling brown patch on creeping bentgrass with fungicides. Technical report prepared for DuPont.

Patton, A., and J.M Trappe. Oct. 2009. Andersons NSN Research on a Bermudagrass Lawn and Fairway. Technical report prepared for The Andersons Inc., Maumee, Ohio.

Patton, A., D.E. Karcher, and J. Summerford. Oct. 2009. 2009 Fertilizer Burning and Staining Study at the University of Arkansas. Technical report prepared for The Andersons Inc., Maumee, Ohio.

Patton, A., and J.M Trappe. Nov. 2009. Certainty safety on 'Tifway' sprigged bermudagrass. Technical report prepared for Monsanto.

Patton, A.J. and J.M. Trappe. 2009. Controlling brown patch on creeping bentgrass with fungicides, 2009. Plant Disease Management Reports (online). Report X:T00XX. DOI:10.1094/PDMR03. The American Phytopathological

Patton, A.J., J.M. Trappe, **M.D. Richardson**, and **D.E. Karcher**. 2009. Quantifying Divot Size and Type in Bermudagrass as Influenced by Golf Club Selection. *In* annual meetings abstracts [CD-ROM]. ASA, CSSA, and SSSA Madison, WI. Poster.

Patton, A.J. A. Pompeiano, and J.M. Trappe. 2009. Influence of Nitrogen Source On Zoysiagrass Growth. *In* annual meetings abstracts [CD-ROM]. ASA, CSSA, and SSSA Madison, WI. Poster.

Patton, A.J., J. Trappe, **D.E. Karcher**, and **M.D. Richardson**. 2009. Quantifying divot size and type in bermudagrass as influenced by golf club selection. 2009 ASA/CSSA/SSSA International Annual Meetings, Pittsburgh, PA.

Patton, A.J. and **M.D. Richardson**. 2009. Seeded warm-season grasses. A 4 hour education program presented at the Golf Industry Show, New Orleans, LA.

Richardson, M.D., **J.C. Stiegler**, D.E. Karcher, and A.J. Patton. **2009**. Leaf cuticle characteristics and foliar nutrient uptake by a cool-season and warm-season turfgrass. *In*. Nus, J.L. (ed.) 2008 Turfgrass and Environmental Research Summary. United States Golf Association, Far Hills, N.J. p. 71.

Richardson, M. D. 2009. Liquid vs. Granular Fertilizers. Arkansas Turfgrass Association Annual Meetings, Hot Springs AR, Jan. 2009.

Richardson, M.D. 2009. Defining quality turf. Arkansas Turfgrass Association Annual Meetings, Hot Springs AR, Jan. 2009.

Richardson, M. D. 2009. Basics of mowing. Oklahoma-Arkansas Turfgrass Management Short Course, Little Rock AR Jan. 2009.

Richardson, M. D. 2009. Turfgrass growth and physiology: practical implications. University of Arkansas Advanced Turfgrass Short Course, Little Rock AR Jan. 2009.

Richardson, M. D. 2009. Plant growth regulators: how to get them to work for you. University of Arkansas Advanced Turfgrass Short Course, Little Rock AR Jan. 2009.

Richardson, M. D. 2009. Environmental Fate of Pesticides. University of Arkansas Advanced Turfgrass Short Course, Little Rock AR Jan. 2009.

Richardson, M.D. 2009. Turfgrass cultivars for water-limited environments. International Workshop on Summer Dormancy in Grasses. Ardmore, Oklahoma: The Samuel Roberts Noble Foundation (invited keynote speaker).

Richardson, M.D. 2009. Foliar fertilization of golf course putting greens. Oklahoma Turfgrass Conference, Stillwater OK Nov. 2009.

Richardson, M.D. 2009. Win the battle over transition in overseeded bermudagrass . Oklahoma Turfgrass Conference, Stillwater OK Nov. 2009.

Richardson, M.D. 2009. Tall fescue and brown patch: resistance, rhizomes and mixtures. Oklahoma Turfgrass Conference, Stillwater OK Nov. 2009.

Robbins, J.A. 2009. Herbicide Use in Greenhouses and Nurseries. Ark. Green Ind. Assoc. annual conf., Hot Springs. 1/21

Robbins, J.A. 2009. Miller Co. MG, Shrubs for Arkansas Landscapes, 2/17

Robbins, J.A. 2009. Miller Co. MG, Trees for Arkansas Landscapes, 2/17

Robbins, J.A. 2009. White Co. MG – Plant Propagation, 3/5

Robbins, J.A. 2009. Pulaski Co. Advanced MG Training, Soil – The root of it all. 3/19

Robbins, J.A. 2009. Plants for Arkansas Gardens, Hot Spring Village Men’s Garden Club, 5/6

Robbins, J.A. 2009. Clark County MG – Plant Propagation, 5/28

Robbins, J.A. 2009. Pruning Trees & Shrubs, Univ. of Ark. Turfgrass Field Day, 8/5

Robbins, J. and J. Lindstrom. 2009. Winners and Losers of the Statewide Plant Evaluation Program. Arkansas Gardener 9(1): 48-49.

Robbins, J. 2009. Carolina Yellow Jessamine. Arkansas Gardener 9(2): 49.

Robbins, J. 2009. Cross Vine. Arkansas Gardener 9(3): 57.

Robbins, J. 2009. Sweetspire. Arkansas Gardener 9(4): 49.

Robbins, J. 2009. Japanese Rose. Arkansas Gardener 9(5): 48.

Robbins, J. 2009. Hydrangea for the sun! Arkansas Gardener 9(6): 49.

Robbins, J. 2009. Fountain Grass. Arkansas Gardener 9(7): 49.

Robbins, J. 2009. Arizona Cypress. Arkansas Gardener 9(8): 48.

Robbins, J. 2009. Staking gone crazy. Western Univ. 11(1): 16-17.

Robbins, J. 2008. Tree pruning made easy. *NM Pro* 24(12): 46.

Robbins, J. 2009. Fertilizer 'Tools' for the Green Industry. *Horticulture Review*. Sept. 2009.

Robbins, J. 2009. Landscaping 101. *Horticulture Review*. Nov. 2009.

Stiegler, J.C., **M.D. Richardson, D.E. Karcher, and A.J. Patton.** 2009. Foliar absorption of nitrogen by creeping bentgrass putting green turf utilizing select ¹⁵N-labeled inorganic and organic sources. *In annual meetings abstracts [CD-ROM]*. ASA, CSSA, and SSSA Madison, WI. Oral.

Summerford, J.A., **D.E. Karcher, M.D. Richardson, A.J. Patton,** and J.W. Boyd. 2009. Cultural practice effects on the spring transition of seeded meadow fescue and tetraploid perennial ryegrass sports fields. International Turfgrass Society Meeting, Santiago Chile, July 2009.

Trappe, J.M., **A.J. Patton, M.D. Richardson, and D.E. Karcher.** 2009. Differences and Similarities in the Divot Recovery of Bermudagrass and Zoysiagrass Cultivars. *In annual meetings abstracts [CD-ROM]*. ASA, CSSA, and SSSA Madison, WI. Oral.

Trappe, J.M., **A.J. Patton, M.D. Richardson, and D.E. Karcher.** 2009. Shade and Traffic Tolerance of Bermudagrass and Zoysiagrass. *In annual meetings abstracts [CD-ROM]*. ASA, CSSA, and SSSA Madison, WI. Poster.

Trappe, J.M., **A.J. Patton, M.D. Richardson, and D.E. Karcher.** 2009. Clipping Yield and Scalping Tendency Differ for Bermudagrass and Zoysiagrass Cultivars. *In annual meetings abstracts [CD-ROM]*. ASA, CSSA, and SSSA Madison, WI. Poster.

Trappe, J., **A.J. Patton, D.E. Karcher, and M.D. Richardson.** 2009. Shade and traffic tolerance of bermudagrass and zoysiagrass. 2009 ASA/CSSA/SSSA International Annual Meetings, Pittsburgh, PA.

Trappe, J., **A.J. Patton, D.E. Karcher, and M.D. Richardson.** 2009. Differences and similarities exist in the divot recovery of bermudagrass and zoysiagrass cultivars. 2009 ASA/CSSA/SSSA International Annual Meetings, Pittsburgh, PA.

Wright, A.N., M. Gu, and **J. Robbins.** 2009. Faculty indicate need for instructional multi-media resources for use in teaching nursery production. ASHS Conf., St. Louis.

Human Environmental Sciences

Apple, L. M. and Smith, K. R. (2009) Study tour opportunities for apparel students. Arkansas Association of Family and Consumer Sciences Annual Meeting. Harding University, Searcy, AR.

Apple, L.M. and Smith, K. R. (2009) Developing a required study tour program for apparel curriculum. International Textiles and Apparel Association Annual Conference. Seattle, WA.

Bailey, W.C. (2009). The circumplex model of the family financial system: rules, emotions, and communication. *Proceedings of the Annual Conference of the Association of Financial Counseling and Planning Education*. Scottsdale, AZ: On Conference CD.

Bailey, W. C. (2009). Emotional intelligence in medical education: a review of literature and suggestions for practical application. Sixth Annual Institute for Emotional Intelligence with the San Jacinto College and the EI Learning Systems, Houston, Texas.

Bailey, W.C. (2009). Discussant of Symposium Papers on the topic of Family financial issues and parental financial socialization of college students. National Council of Family Relations. San Francisco, CA.

Farmer, F.L and Moon, Z.K. 2009. Latino subpopulations in rural and urban market areas. University of Arkansas, Fayetteville. Latino Banking Peer Group---Arvest Bank Group.

Farmer, F.L and Moon, Z.K. 2009. Human and social capital drivers of migration destination decision-making: Mexican migrants choosing rural America. Rural Development Program Project Director's Meeting. Washington, DC.

Harrington, R.J. (2009). The impact of travel and tourism in Arkansas. Leadership Fayetteville Economic Development Day. Springdale, AR.

Harrington, R.J. (2009). German wines seminar. Fayetteville Newcomers Club. Fayetteville, Arkansas.

Harrington, R.J. (2009). Wine and food pairing workshop. Pandemic Conference hosted by the Arkansas Department of Health. Winthrop Rockefeller Institute. Morrilton, Arkansas.

Harrington, R.J. (2009). Marketing to foodservice firms: opportunities and challenges. Making your profits grow workshop. University of Arkansas Extension Service. Little Rock, AR.

Harrington, R.J. (2009). Wine and food pairing workshop. Nano Technology in healthcare. Winthrop Rockefeller Institute. Morrilton, Arkansas.

Harrington, R.J., Ogbeide, G.C., and Ottenbacher, M.C. (2009). Integrating multiple learning objectives into experiential in-class learning opportunities. *I-CHRIE Conference*. San Francisco, CA.

Hurley, D. and **Turner, M.J.** (2009). Brain fitness training among healthy older adults: the psycho-social effects. Gerontological Society of America. Atlanta, GA.

Kula, M., **Killian, T. S.** (2009). Variations in social support and depressive symptoms: Rural and non-rural comparisons. Annual Meeting of the Rural Sociological Society. Madison, WI.

Moon, Z.K., **Farmer, F.L.**, and Rainey, R. 2009. Empirical study of Mexican migrants and capacity for farm management. 72nd Annual Meeting of the Rural Sociological Society. Madison, Wisconsin.

Moore, C.K. (2009) Nutrition knowledge in adults increased with prior dietitian contact: development and validation of a nutrition knowledge survey. Northwest Arkansas District Dietetic Association. Johnson, AR.

Robertson, L. J., Apple, L. M., Moore, C. K. and **Fitch-Hilgenberg, M.** (2009). The relationship of body image, body shape and body mass index (BMI) for young adult females. American Association of Family and Consumer Sciences Annual Conference. Knoxville, TN.

Southward, L., Pate, S., and Blaylock, K. (2009). Family and consumer sciences students' perceptions of faculty dress. American Association of Family and Consumer Sciences. Knoxville, Tennessee.

Plant Pathology

Cartwright, R. D. Pesticide Committee Formal Hearing, Arkansas State Plant Board, Little Rock, AR, Feb 17, 2009.

Cartwright, R. D. Attended the Retired Southern Directors Meeting to escort two members and participate on Apr 22 – 23, 2009. I also gave a presentation on soybean seed quality to the group.

Cartwright, R. D. Performed official inspections of Koshihikari rice seed production at the RREC for APHIS, the Arkansas State Plant Board, and the Dale Bumpers National Rice Research Center for evidence of seedborne diseases prior to seed export under APHIS permit.

Cartwright, R. D. Pesticide Committee Meeting, Arkansas State Plant Board, Little Rock, AR, Feb 11, 2009.

Cartwright, R. D. Presentation to Corn and Sorghum Board (multiple new proposals and answer questions related to corn and sorghum pathology), Jonesboro, AR, Feb 17, 2009.

Cartwright, R. D. Presentation to Rice Promotion Board Meeting on behalf of the Rice Ecosystem Project, Little Rock, AR, Mar 4, 2009.

Cartwright, R. D. Presentation to Soybean Promotion Board Meeting on behalf of the Soybean Seed Quality Project, Little Rock, AR, Mar 3, 2009.

Cartwright, R. D. Quarterly Plant Board Meeting, Little Rock, AR, Jan 18, 2009.

Cartwright, R. D. Seed Committee Meeting, Arkansas State Plant Board Meeting, Little Rock, AR, Mar 31, 2009.

Cartwright, R.D., D.G. Monfort, and J.C. Robinson. 2009. Soybean Seed Quality Education in Arkansas – A New Program. Presented April 23, 2009 to the Retired Southern Directors Meeting, Little Rock, AR (regional).

Cartwright, R.D., J.C. Rupe, P. Chen, L. Purcell, D. Dombek, W.J. Ross, **D. Monfort,** J.C. Robinson, and S. Goeke. 2009. Soybean Seed Quality Project Annual Report, December, 2009 to the Arkansas Soybean Promotion Board.

Cochran, K. A., and **Rothrock C. S.** 2009. Efficacy of brassica amendments for cotton disease management. Annual meeting of the Southern Division of the American Phytopathological Society, February 1-2, Atlanta, GA.

Coker, C.M., Jr. 2009. Corn & Wheat Disease Management. Lake Village, AR. Feb.9. Cooperative Extension Service, University of Arkansas (two presentations).

Coker, C.M., Jr. 2009. Rice & Soybean Disease Update. Crittenden Co. Aug. 27. Cooperative Extension Service, University of Arkansas (two presentations).

Coker, C.M., Jr. 2009. Rust and other Soybean Disease Update. Stuttgart, AR. Sept 25. Cooperative Extension Service, U of A.

Coker, C.M., Jr. 2009. Soybean disease update & management. Griffithville, AR. Aug. 5. Cooperative Extension Service, University of Arkansas.

Coker, C.M., Jr. 2009. Soybean Fungicide/diseases Update. Culbertson, MT. Nov 4. Cooperative Extension Service, University of Arkansas.

Coker, C.M., Jr. 2009. Soybean Nematode & Disease Update. De Witt, AR. Aug. 12. Cooperative Extension Service, University of Arkansas (two presentations).

Coker, C.M., Jr. 2009. Soybean Rust Update. Milan, TN. Sept. 9. Cooperative Extension Service, University of Arkansas (four presentations).

Coker, C.M., Jr. 2009. Soybean Rust Update. Milan, TN. Sept. 9. Cooperative Extension Service, University of Arkansas (four presentations).

Coker, C.M., Jr. 2009. Soybean Rust/disease Mgement Update. Lonoke, AR. June 11. Cooperative Extension Service.

Coker, C.M., Jr. 2009. Soybean Rust/diseases Update. Cash, AR. Aug. 7. Cooperative Extension Service, University of Arkansas.

Coker, C.M., Jr. 2009. Soybean Rust/diseases Update. Marion, AR. Aug. 7. Cooperative Extension Service, University of Arkansas.

Coker, C.M., Jr. 2009. Soybean Rust/diseases Update. Rohwer, AR. Aug. 8. Cooperative Extension Service, University of Arkansas.

Coker, C.M., Jr. 2009. Soybean Rust/diseases Update. Weiner, AR. Aug. 7. Cooperative Extension Service, University of Arkansas.

Coker, C.M., Jr. 2009. Soybean Rust/diseases Update. Wheatly, AR. Aug. 18. Cooperative Extension Service, University of Arkansas.

Coker, C.M., Jr. 2009. Tomato disease I.D./management. Monticello, AR. June 23. Cooperative Extension Service.

Coker, C.M., Jr. 2009. Wheat Rust/disease Management Update. McGehee, AR. April 30. Cooperative Extension Service.

Coker, C.M., Jr. 2009. Wheat Rust/Disease Management Update. Tillar, AR. April 9. Cooperative Extension Service.

Coker, C.M., Jr. 2009. Wheat, Corn & Soybean Disease Management. Keiser, AR. Feb. 17. Cooperative Extension Service, University of Arkansas (three presentations).

Coker, C.M., Jr. 2009. Rice & Soybean Disease Update. Drew Co., AR. July 27. Cooperative Extension Service, University of Arkansas (two presentations).

Coker, C.M., Jr. 2009. Soybean & Cotton disease management Update. Jonesboro, AR. June 19. Cooperative Extension Service (two presentations).

Coker, C.M., Jr. 2009. Soybean Nematode & Disease Update. Lake Village, AR. Aug. 14. Cooperative Extension Service, University of Arkansas (two presentations).

Coker, C.M., Jr. 2009. Soybean Rust & Disease Update. Gin City, AR. July 15. Cooperative Extension Service, University of Arkansas.

Coker, C.M., Jr. 2009. Soybean Rust & Disease Update. Judd Hill, AR. July 17. Cooperative Extension Service, University of Arkansas.

Coker, C.M., Jr. 2009. Soybean Rust & Disease Update. Rohwer, AR. July 30. Cooperative Extension Service, University of Arkansas.

Coker, C.M., Jr. 2009. Soybean Rust & Disease Update. Rohwer, AR. July 14. Cooperative Extension Service, University of Arkansas (two presentations).

Coker, C.M., Jr. 2009. Soybean Rust & Disease Update. DeWitt, AR. July 16. Cooperative Extension Service, University of Arkansas.

- Coker, C.M., Jr.** 2009. Soybean Rust Update. Kibler, R. Aug. 10. Cooperative Extension Service, University of Arkansas.
- Coker, C.M., Jr.** 2009. Asian Soybean Rust. PT Field Day, AR, Aug. 20.
- Coker, C.M., Jr.** 2009. Asian Soybean Rust. RREC Field Day, AR, Aug. 12.
- Coker, C.M., Jr.** 2009. Asian Soybean Rust. NEREC Field Day, AR, Aug. 5.
- Coker, C.M., Jr.** 2009. Asian Soybean Rust. Rohwer Field Day, AR, July 30.
- Coker, C.M., Jr.** 2009. Rating Galling of RKN Cotton/Soybean. Rohwer, AR.
- Coker, C.M., Jr.** 2009. Rice & Cotton IPM Training. Lonoke, AR. June 12. Cooperative Extension Service (two presentations).
- Coker, C.M., Jr.** 2009. Rice Disease Management Update. Keiser, AR. Feb. 6. Cooperative Extension Service, University of Arkansas.
- Coker, C.M., Jr.** 2009. Rice, Corn, Wheat, and Milo Update. Pine Bluff, AR. January 21. Cooperative Extension Service, University of Arkansas (four presentations).
- Coker, C.M., Jr.** 2009. Soybean Black Root Rot Update. Monroe, LA. Sept. 4. Cooperative Extension Service, University of Arkansas.
- Coker, C.M., Jr.** 2009. Soybean disease & fungicide update. Little Rock, AR. Jan. 28. Cooperative Extension Service, University of Arkansas.
- Coker, C.M., Jr.** 2009. Soybean Disease Management. Wynne, AR. Feb. 18. Cooperative Extension Service, University of Arkansas.
- Coker, C.M., Jr.** 2009. Soybean Disease Update. Marksville, LA. January 26. Cooperative Extension Service, University of Arkansas (two presentations).
- Coker, C.M., Jr.** 2009. Soybean Rust & Disease Update. Lincoln Co. Aug. 28. Cooperative Extension Service, University of Arkansas.
- Coker, C.M., Jr.** 2009. Soybean Rust/diseases Update. Delaplaine, AR. Aug. 3. Cooperative Extension Service, University of Arkansas.
- Coker, C.M., Jr.** 2009. Cotton/Soybean Nematode Sampling. Rohwer, AR. Aug. 6. Cooperative Extension Service, University of Arkansas.
- Coker, C.M., Jr.** 2009. Soybean disease symptomology. DeWitt, AR. Aug. 5. Cooperative Extension Service, University of Arkansas.

Coker, C.M., Jr. 2009. Soybean Rust & Disease Update. Akins, AR. July 29. Cooperative Extension Service, University of Arkansas.

Coker, C.M., Jr. 2009. Soybean Rust & Disease Update. Weiner, AR. July 28. Cooperative Extension Service, University of Arkansas.

Coker, C.M., Jr. 2009. Soybean Rust & Disease Update. Monroe, LA. Aug. 28. Cooperative Extension Service, University of Arkansas.

Coker, C.M., Jr. 2009. Soybean Rust/diseases Update. Marianna, AR. Aug. 4. Cooperative Extension Service, University of Arkansas.

Coker, C.M., Jr. 2009. Soybean Scout Training. Rohwer, AR. June 17. Cooperative Extension Service, University of Arkansas.

Coker, C.M., Jr. 2009. Soybean/ Cotton IPM diseases Update. Chicot Co., AR. June 9. Cooperative Extension Service, University of Arkansas.

Coker, C.M., Jr. 2009. Soybean/ Rice Disease Management, Crawfordsville, AR. Jan. 12. Cooperative Extension Service, University of Arkansas (two presentations).

Coker, C.M., Jr. 2009. Soybean/ Rice Disease Management, Lake Village, AR.

Crippen, D.L., J.C. Robinson, C.E. Parsons, and **R.D. Cartwright.** 2009. Reaction of grain sorghum hybrids to foliar disease in Arkansas. Univ. AR. Div. Agri. Coop. Ext. Ser., Little Rock, AR.

Crippen, D.L., J.C. Robinson, C.E. Parsons, and **R.D. Cartwright.** 2009. Evaluation of soybean cultivars for reaction to aerial blight disease under inoculated conditions in Arkansas. Univ. AR. Div. Agri. Coop. Ext. Ser., Little Rock, AR.

Eberle, M.A., **C.S. Rothrock,** N.A. Slaton, and **R.D. Cartwright.** 2009. Role of salinity in rice seedling disease severity caused by *Pythium* species. Pp. 104-108 in: B.R. Wells Rice Research Series 571 (2008), R.J. Norman, J.-F. Meullenet, and K.A.K. Moldenhauer, eds. Univ. AR. Div. Ag., Fayetteville, AR.

Emerson, M., **S. Monfort,** A. Carroll, and J. Fortner. 2009. Evaluation of Serenade compared to other standard foliar fungicides for control of southern leaf rust of corn. Annual Fungicide Report.

Emerson, M., **S. Monfort,** A. Carroll, and J. Fortner. 2009. Evaluation of Serenade and Ballad Plus compared to other standard foliar fungicides for the control of common diseases of wheat in Ashley County. Annual Fungicide Report.

Emerson, M., **S. Monfort**, A. Carroll, and J. Fortner. 2009. Evaluation of YT669 and LEM 17 compared to other standard foliar fungicides for the control of common diseases of wheat in Ashley County. Annual Fungicide Report.

Emerson, M., **S. Monfort**, A. Carroll, and J. Fortner. 2009. Evaluation of Twinline and Headline compared to other standard foliar fungicides for the control of common diseases of wheat in Ashley County. Annual Fungicide Report.

Emerson, M., **S. Monfort**, A. Carroll, and J. Fortner. 2009. Evaluation of Topguard compared to other standard foliar fungicides for the control of common diseases of wheat in Jackson County. Annual Fungicide Report.

Emerson, M., **S. Monfort**, A. Carroll, and J. Fortner. 2009. Evaluation of FBS 1039, 1048, and 1030 (combined with fertilizer) for fertilize efficacy and yield on wheat in Jackson County, 2009. M. Emerson, S. Monfort, A. Carroll, and J. Fortner. Annual Fungicide Report.

Emerson, M., **S. Monfort**, A. Carroll, and J. Fortner. 2009. Evaluation of Syngenta's foliar fungicides compared to other standard foliar fungicides for the control of common diseases of wheat in Jackson County. Annual Fungicide Report.

Emerson, M., **S. Monfort**, A. Carroll, and J. Fortner. 2009. Evaluation of Cheminova's foliar fungicides compared to other standard foliar fungicides for disease control of corn. Annual Fungicide Report.

Emerson, M., **S. Monfort**, A. Carroll, and J. Fortner. 2009. Evaluation of Bayer's foliar fungicides compared to other standard foliar fungicides for control of southern leaf rust of corn. Annual Fungicide Report.

Emerson, M., **S. Monfort**, A. Carroll, and J. Fortner. 2009. Evaluation of Serenade compared to other standard foliar fungicides for control of southern leaf rust of corn. Annual Fungicide Report.

Emerson, M., **S. Monfort**, A. Carroll, and J. Fortner. 2009. Evaluation of Syngenta's foliar fungicides compared to other standard foliar fungicides for control of southern leaf rust of corn. Annual Fungicide Report.

Emerson, M., **S. Monfort**, A. Carroll, and J. Fortner. 2009. Evaluation of Bayer's foliar fungicides compared to other standard foliar fungicides for control of frogeye leaf spot of soybeans. Annual Fungicide Report.

Emerson, M., **S. Monfort**, A. Carroll, and J. Fortner. 2009. Evaluation of Cheminova's foliar fungicides compared to other standard foliar fungicides for control of frogeye leaf spot of soybeans. Annual Fungicide Report.

Emerson, M., **S. Monfort**, A. Carroll, and J. Fortner. 2009. Evaluation of Syngenta's foliar fungicides compared to other standard foliar fungicides for control of frogeye leaf spot of soybeans. Annual Fungicide Report.

Fortner J., **S. Monfort**, M. Emerson, A. Carrol. 2009. Evaluation of Seed Treatments and Foliar Sprays for Control of Root-knot Nematode in Soybeans, 2009. Annual Fungicide Report.

Fortner J., **S. Monfort**, M. Emerson, A. Carrol. 2009. Annual Fungicide Report.

Fortner J., **S. Monfort**, M. Emerson, A. Carrol. 2009. Annual Fungicide Report.

Fortner, J., **S. Monfort**, M. Emerson and A. Carrol. 2009. Annual Fungicide Report.

Greer, A. M., S.E. Smith, **W.S. Monfort**, and **R.D. Cartwright**. 2009. New and emerging plant diseases in Arkansas. NPDN Annual Meeting, 06-10 December, 2009. Miami, FL. (Technical assistance for poster production provided by J.C. Robinson).

Hirsch, R.L., Lay, J., and **Bluhm BH**. 2009. Metabolic engineering of fungi to complement plant-based bioproduction strategies. Arkansas EPSCoR Annual Meeting, Little Rock, AR. Jan. 14. Cooperative Extension Service, University of Arkansas (two presentations).

Jaraba, J., **Rothrock, C. S.**, and **Kirkpatrick, T. L.** 2009 Influence of temporal separation on the interaction of *Meloidogyne incognita* and *Thielaviopsis basicola* on cotton. Annual meeting of the American Phytopathological Society, August 1-5, Portland, OR.

Jaraba, J., **Rothrock, C. S.**, **Kirkpatrick, T. L.** 2009. Temporal study of the interaction between *Meloidogyne incognita* and *Thielaviopsis basicola* on cotton. 2009 Beltwide Cotton Conferences, San Antonio, TX, January 5-8, 2009.

Kelley, J.P., Sheets, Bacon, R.K., Kelly, J., Miller, R., Milus, E.A., Monfort, **S. Cartwright, R.**, Moon, D., and Rohman, P. 2009. Wheat Update 2009. U of A Cooperative Extension Service Publication. 17 pages.

Kirkpatrick, T.L. 2009. Disease and nematode issues in vegetable and fruit production. Master Gardener meeting. Nov. 2, Prescott, AR.

Kirkpatrick, T.L. 2009. Root-knot nematode management in U.S. soybeans. Syngenta Field Tour. August 19, Tillar, AR.

Kirkpatrick, T.L. 2009. Using biofumigant crops to manage nematodes and southern blight in tomatoes. Southwest Research and Extension Center Horticulture Field Day. June 18. Hope, AR.

Kirkpatrick, T.L. 2009. Nematode update. Arkansas Crop Management Conference. Jan. 27-30. Little Rock, AR

Korth, K. L., S.-H.Park, P.A. Nakata, R.Nagarajan, R.E. McGehee, Jr. 2009. Size and shape of *Medicago truncatula* calcium oxalate crystals determine their effectiveness in insect defense. International Society of Plant Molecular Biologists, St. Louis, MO, October, 2009.

Korth, K.L. 2009. Physical characteristics of calcium oxalate crystals as determinants in structural defense against chewing insects in *Medicago truncatula*. XIV International Congress of Molecular Plant-Microbe Interactions, Quebec City, Canada, July, 2009.

Lee, F.N., R.D. Cartwright, K.A.K. Moldenhauer, and S.B. Belmar. 2009. Rice blast control strategies for new rice cultivars 'Taggart' and 'Templeton'. Pp. 80-86 in: B.R. Wells Rice Research Series 571 (2008), R.J. Norman, J.-F. Meullenet, and K.A.K. Moldenhauer, eds. Univ. AR. Div. Ag., Fayetteville, AR.

Milus, E. A., Moon, D., and Rohman, P. 2009. Evaluations for FHB severity, Fusarium-damaged kernels, DON content, types I and II resistance in the greenhouse, and *Septoria tritici* blotch resistance. Pages 9, 13, 16, 17 and 23, respectively, in: 2009 Southern Uniform Winter Wheat Scab Nursery Report. J.P. Murphy and R.A. Navarro, editors.

Moldenhauer, K.A.K., J.W. Gibbons, **F.N. Lee,** J.L. Bernhardt, C.E. Wilson, Jr., **R.D. Cartwright,** R.J. Norman, M.M. Blocker, D.K. Ahrent, V.A. Boyett, J.M. Bullock, and E. Castaneda. 2009. 'Taggart', a high yielding, large kernel, long grain rice variety. Pp. 68-73 in: B.R. Wells Rice Research Series 571 (2008), R.J. Norman, J.-F. Meullenet, and K.A.K. Moldenhauer, eds. Univ. AR. Div. Ag., Fayetteville, AR.

Moldenhauer, K.A.K., J.W. Gibbons, F.N. Lee, J.L. Bernhardt, C.E. Wilson, Jr., **R.D. Cartwright,** R.J. Norman, M.M. Blocker, D.K. Ahrent, V.A. Boyett, J.M. Bullock, and E. Castaneda. 2009. 'Templeton', a blast resistant long grain rice variety. Pp. 74-79 in: B.R. Wells Rice Research Series 571 (2008), R.J. Norman, J.-F. Meullenet, and K.A.K. Moldenhauer, eds. Univ. AR. Div. Ag., Fayetteville, AR.

Monfort, S. 2009. Arkansas County Rice and Soybean Production Meeting, 2/3/2009.

Monfort, S. 2009. Arkansas County Rice and Soybean Production Meeting, 2/10/2009.

Monfort, S. 2009. Arkansas River Valley Meeting, Morrilton, 2/5/2009.

Monfort, S. 2009. Clay County Feed Grains Production Meeting, 2/20/2009.

Monfort, S. 2009. Clay County Rice and Soybeans Production Meeting, 3/10/2009.

Monfort, S. 2009. Clay County Soybean and Corn Field Day, 8/19/2009.

Monfort, S. 2009. Cotton Council State Report Meeting, 11/19-20/2009.

Monfort, S. 2009. Craighead Corn & Soybean Production Meeting, 1/12/2009.

Monfort, S. 2009. Craighead Rice Production Meeting, 1/13/09.

Monfort, S. 2009. Crop Management Conference, LittleRock, 1/27/2009.

Monfort, S. 2009. Cross County Rice Production Meeting, 2/13/2009.

Monfort, S. 2009. Jefferson County Soybean Production Meeting, 1/20/2009.

Monfort, S. 2009. Evaluation of Avicta on early season nematodes in soybeans.

Monfort, S. 2009. Evaluation of Bayer seed treatments for control of Root-knot Nematode in cotton.

Monfort, S. 2009. Evaluation of Syngenta seed treatment for control of Root-knot Nematode in Corn.

Monfort, S. 2009. Green County Rice and Soybean Production Meeting, 3/10/2009.

Monfort, S. 2009. Jackson County Field Day at the Newport Research Center, 8/28/2009.

Monfort, S. 2009. Lake Hogue/Scott Mathew Field Day, Poinsette County, 8/7/2009.

Monfort, S. 2009. Lee County Cotton Production Meeting, 1/16/2009.

Monfort, S. 2009. Lee County Rice and Soybean Production Meeting, 1/23/2009.

Monfort, S. 2009. Lonoke Soybean & Rice Production Meeting, 1/5/2009.

Monfort, S. 2009. Meeting with DuPont, 2/4/2009.

Monfort, S. 2009. Nematode Research Meeting with Lyerly Farms, 3/17/2009.

Monfort, S. 2009. Nematode Research Meeting with Wildy Farms, 3/17/2009.

Monfort, S. 2009. New and Emerging Diseases in Arkansas Black Root Rot and Neocosmospora Stem Rot Scott Monfort, Cliff Coker, Amy Carroll, Amanda Greer, Michael Emerson, and Jason Fortner. 8/12/2009. RREC Field Day. Poster.

Monfort, S. 2009. New and Emerging Diseases in Arkansas: Black Root Rot and Neocosmospora Stem Rot, White River Ecosystem Field Day, Poinsett County, Poster. 8/7/2009.

Monfort, S. 2009. New and Emerging Diseases in Arkansas: Black Root Rot and Neocosmospora Stem Rot, Rice Research and Extension Center Field Day, Arkansas County, Poster. 8/12/2009.

Monfort, S. 2009. New and Emerging Diseases in Arkansas: Black Root Rot and Neocosmospora Stem Rot, Pine Tree Research and Extension Center Field Day, Cross County, 8/20/2009.

Monfort, S. 2009. Pine Tree Research and Extension Center Field Day, 8/20/2009.

Monfort, S. 2009. Prairie County Field Grains Production Meeting, 1/22/2009.

Monfort, S. 2009. Precision Ag Nematode Meeting, Clemson University, 11/16-19/2009.

Monfort, S. 2009. Progeny Seeds Field Day, Cross County, 7/23/2009.

Monfort, S. 2009. Pulaski/Lonoke County production Meeting, 2/11/2009.

Monfort, S. 2009. Rice Research and Extension Center Field Day, Arkansas County, 8/12/2009.

Monfort, S. 2009. River Valley Soybean Production Meeting, Morrilton, 12/17/2009.

Monfort, S. 2009. Rohwer Research Meeting, 2/9/2009.

Monfort, S. 2009. Soybean IPM Meeting in Jefferson County, 6/25/2009.

Monfort, S. 2009. Soybean IPM Meeting in Lonoke County, 8/17/2009.

Monfort, S. 2009. Soybean Promotion Board Funding Meeting, Little Rock, 3/3/2009.

Monfort, S. 2009. Soybean Rust in Arkansas, Rice Pine Tree Research and Extension Center Field Day, Cross County, Poster. 8/20/2009.

Monfort, S. 2009. Soybean Rust in Arkansas, Rice Research and Extension Center Field Day, Arkansas County, Poster. 8/12/2009.

Monfort, S. 2009. Soybean Rust in Arkansas, White River Ecosystem Field Day, Poinsett County, Poster. 8/7/2009.

Monfort, S. 2009. Soybean Rust in Arkansas. Amy G. Carroll, Michael Emerson, Amanda Greer, Scott Monfort, Terry Kirkpatrick, Cliff Coker, and Jeremy Ross. RREC Field Day. 8/12/2009. Poster.

Monfort, S. 2009. Tri-County Production Meeting, Dumas, 2/3/2009.

Monfort, S. 2009. White County Production Meeting, 2/12/2009.

Monfort, S. 2009. Woodruff County Rice and Soybean Production Meeting 1/22/2009.

Navia-Giné, W., Rafiei Boroujeni, F., Nelson, L.D., & **Korth, K.L.** 2009. Potential antagonism of JA- and SA-induced defenses in *Medicago truncatula*. International Society of Plant Molecular Biologists, St. Louis, MO, October, 2009.

Parsons, C.E., J.C. Robinson, and **R.D. Cartwright.** 2009. Effect of novel foliar fungicides on sheath blight and yield of CL 131 rice in Arkansas. Univ. AR. Div. Agri. Coop. Ext. Ser., Little Rock, AR.

Parsons, C.E., J.C. Robinson, and **R.D. Cartwright.** 2009. Effect of novel foliar fungicides/bactericides on sheath blight and false smut of CL 131 rice. Univ. AR. Div. Agri. Coop. Ext. Ser., Little Rock, AR.

Parsons, C.E., J.C. Robinson, and **R.D. Cartwright.** 2009. Effect of novel foliar fungicides on stem rot and yield of Wells rice. Univ. AR. Div. Agri. Coop. Ext. Ser., Little Rock, AR.

Parsons, C.E., J.C. Robinson, and **R.D. Cartwright.** 2009. Effect of novel foliar fungicides on blast and heading diseases of CL 151 rice. Univ. AR. Div. Agri. Coop. Ext. Ser., Little Rock, AR.

Parsons, C.E., J.C. Robinson, and **R.D. Cartwright.** 2009. Evaluation of ARPT cultivars and advanced lines for reaction to diseases under different Arkansas growing conditions. Univ. AR. Div. Agri. Coop. Ext. Ser., Little Rock, AR.

Parsons, C.E., J.C. Robinson, and **R.D. Cartwright.** 2009. Interaction of rice cultivar and foliar fungicide on yield under Arkansas growing conditions. Univ. AR. Div. Agri. Coop. Ext. Ser., Little Rock, AR.

Robinson, J.C., C.E. Parsons, and **R.D. Cartwright.** 2009. Effect of seed treatment fungicides on blast development in M-202 rice. Univ. AR. Div. Agri. Coop. Ext. Ser., Little Rock, AR.

Robinson, J.C., C.E. Parsons, and **R.D. Cartwright.** 2009. Evaluation of URRN lines for reaction to bacterial panicle blight, sheath blight and false smut under Grand Prairie region conditions in Arkansas. Univ. AR. Div. Agri. Coop. Ext. Ser., Little Rock, AR.

Robinson, J.C., C.E. Parsons, and **R.D. Cartwright.** 2009. Evaluation of URRN lines for reaction to stem rot and blast under Northeast Arkansas growing conditions. Univ. AR. Div. Agri. Coop. Ext. Ser., Little Rock, AR.

Robinson, J.C., C.E. Parsons, and **R.D. Cartwright.** 2009. Evaluation of rice disease monitoring plots in different Arkansas counties during 2009. Univ. AR. Div. Agri. Coop. Ext. Ser., Little Rock, AR.

Robinson, J.C., D.L. Crippen, C.E. Parsons, and **R.D. Cartwright.** 2009. Effect of foliar fungicides on disease and yield of grain sorghum in Arkansas. Univ. AR. Div. Agri. Coop. Ext. Ser., Little Rock, AR.

Rothrock C. S. Arkansas state report. S-1028 Ecological and genetic diversity of soilborne pathogens and indigenous microflora, Nov 14, Knoxville, TN.

Rothrock, C. S. Arkansas state report. Cotton Foundation Cotton Seedling Disease Committee. November 18-19, Memphis, TN.

Rothrock, C. S., Winters, S. A., Barham, J. D., Beach, A. B., Bayles, M. B., Caceres, J., Colyer, P. D. , Kemerait, R. C. , Lawrence, K. S., Padgett, G.B., Phipps, P. M. , Sciumbato, G. L. , Thacker, R., Verhalen, L. M., Woodward, J. E. 2009. Report of the cottonseed treatment committee for 2008. 2009 Beltwide Cotton Conferences, San Antonio, TX, January 5-8, 2009.

Sayler, R.J. and **Korth, K.L.** 2009. Enhancing profiles of beneficial phytosterols in rice through a targeted genetic approach. Beneath The Hull: Exploring the Health- Promoting Functions of Rice Starch & Protein. March 13-13, 2009 New Orleans, LA.

Sayler, R.J., Bluhm, B. and **Cartwright, R. D.** A potential new method to control aflatoxin and other mycotoxins in corn. Annual progress report for the Arkansas Corn Board. February 3, 2010. Little Rock, AR.

Sayler, R.J., Cartwright, R.D. and **Kirkpatrick, T.** Detection of soybean cyst, reniform and root-knot nematodes in soil using multiplex real-time PCR. Annual progress report for the Arkansas Soybean Board. January 3, 2010. Little Rock, AR.

Toksoz, H, and **Rothrock, C. S.** 2009. Additive effects of triazole fungicides and host inducing chemicals for the control of black root rot on cotton. 2009 Beltwide Cotton Conferences, San Antonio, TX, January 5-8, 2009.

Urrea, K. E., **Rupe, J. C., Rothrock, C.,** and Steger, A. 2009. Comparison of seed treatments for control of soybean seedling diseases in field soil at three temperatures. Annual meeting of the American Phytopathological Society, August 1-5, Portland, OR.

THESES:

Singh, Navinder pal 2008. "Hedging Effectiveness Around USDA Crop Reports." August.

Li, Yarui. 2008. "Liberty Link Rice 601 Contamination and the Impact on U.S. Rice Exports." August.

Fortin, Corey J. 2008. "Use of Freshness Indicators on Perishable Food Products: An Assessment of Consumer Attitudes in the United States and Belgium," October.

Foianini, Monica. 2008. "Explaining FSA Direct Loans Outcome and Time to Termination." December.

Bacchus, Chris. 2009. Factors Determining FSA Interest Assistance Usage in the U.S. for 1997-2003." March.

Whitmore, Sara. 2009. "Residents' Perceptions of Air Quality and Water Quality and Willingness to pay for Improved Quality in Northwest Arkansas and Northeast Oklahoma." May.

Landerito, Aiko. 2009. "Determinants of Financial Improvement and Loan Servicing Actions for FSA Direct Loan Borrowers." July.

Haywood, Brittany. 2009. "Evaluating Production Budgets to Determine Best Management Practices for Out-of-Season High Tunnel Organic Blackberry Production" September.

McFadden, Brandon. 2009. "Impact of Time to Default and Contemporaneous Events on FSA Direct Loan Losses." December.

Goodwin, J. Ashley. 2010. "Consumer Preference Changes and the Generalized Axiom of Revealed Preference." April.

Poultry Science

Chapman, H. D. (2009). Coccidiosis and the poultry industry. Poultry Times January 30, 2009.

Erf, G. F. 2009. Vitiligo Research Centers: Arkansas. In: Vitiligo Road Map. National Vitiligo Foundation Website, http://www.nvfi.org/map/road_map.php

Erf, G. F. 2009. Genetically Controlled Diseases in Poultry: Lessons learned from the autoimmune disease-prone Smyth line chicken. Proceedings of the Breeders Roundtable, St. Louis, MO (10 pages).
M. Mozaffari, N.A. Slaton, **H.L. Goodwin**, J. Long, N. Kemper, and C Herron, "Evaluation of Urea and Baled Poultry Litter as Nutrient Sources for Cotton Production", AAES Research Series 558, 2009.

OTHER CREATIVE ENDEAVORS:

Agriculture, Economics & Agribusiness

Ahrendsen, Bruce L., Garth Entwistle, and Edward Majewski. 2009. "Introduction of a Historic Non-Alcoholic Beverage by a Small, Regional Brewery: the Case of Ciechan Brewery." Prepared for use in the International MBA in Agribusiness, Warsaw University of Life Sciences, Poland (June 4-7).

Ahrendsen, Bruce L., Garth Entwistle, and Edward Majewski. 2009. "Privatization Preparation for a State-Owned, Vertically Integrated Horticultural Firm: the PNOS Case." Prepared for use in the International MBA in Agribusiness, Warsaw University of Life Sciences, Poland (June 4-7).

Ahrendsen, Bruce L., Garth Entwistle, and Edward Majewski. 2009. "Financial Investment Decision to Move and Expand: the Case of Toyoda Carolina Car Company of Warsaw." Prepared for use in the International MBA in Agribusiness, Warsaw University of Life Sciences, Poland (June 4-7).

Alviola IV, P. D. Bessler and O. Capps, Jr. 2009. "The Importance of Socio Demographic Variables on the Quality of Predicted Probabilities of Binary Choice Models: An Application of Brier Probability Score Method on Organic Milk Choice." Poster presented at the Agricultural and Applied Economics Association Annual Meetings in Milwaukee, Wisconsin, July.

Beckman, Jayson, Linwood Hoffman and **Eric Wailes**. 2009. "Are US farm Programs Supply Distorting? Evidence from the 1996 and 2002 Farm Bills." Selected poster presented at the AAEA meetings in Milwaukee, WI July 26-29.

Coats, Robert, Brad Watkins and Jeffrey Hignight. 2009. "The ACRE Decision Economic Uncertainty, Knowns and Unknowns of ACRE Limit Sign-Up to Date." *The Delta Farm Press*. July??

Farmer, Frank L and **Wayne P. Miller**. 2009. "Rural Profile of Arkansas 2009: Social & Economic Trends Affecting Rural Arkansas." University of Arkansas, Division of Agriculture.

Griffin, T. W., K. B. Watkins, J. A. Hignight, C. E. Wilson, Jr., S. Runsick, and R. Mazzanti. "Using Observed Data from Rice Research and Verification Program for Farm Management Decision Making." Presented at the Rice Research and Extension Center Field Day, August.

Griffin, T. W., K. B. Watkins, J. A. Hignight, C. E. Wilson, Jr., S. Runsick, and R. Mazzanti. m2009. "Using Observed Data from Rice Research and Verification Program for Farm Management Decision Making." Poster displayed at the 2009 Rice Research & Extension Center Field Day, Stuttgart, Arkansas, August 12.

Miller, Wayne. 2009. "Economic Development Opportunities for Northeast Arkansas." Invited presentation given to the Corning Chamber of Commerce, March 2.

Miller, Wayne. 2009. "Local Government Trends: Options for Providing Services in Times of Declining Tax Base." Invited presentation to NCARED Local Government Officials, September 18.

Miller, Wayne. 2009. "US Economic Outlook." Invited presentation to Foretravel Motorcade Annual Conference, September 30.

Miller, Wayne. 2009. "Economic Contribution of the Baptist Health System to the Central Arkansas Economy." Invited Presentation to Baptist Health Planning Department Officials, October 7

Morris, J. R. and **M. R. Thomsen**. 2009. "Enhancement of Family Farms through Value-added Grape Products." Poster Presentation at the USDA-CSREES National Research Initiative Project Directors Meeting. Milwaukee, WI, July. (Invited Presentation)

Popp, M. 2009. "Biofuels: Selected Economic Topics." Programme IP Renewable Biomaterials. Presented lecture as part of a two-week course in Graz, Austria, July 3.

Popp, M., L. Nalley, and G. Vickery. 2009. "Will Biomass Markets affect Arkansas Crop and Livestock Agriculture? Some Preliminary Numbers." Poster presented to the 2009 Southern Agricultural Economics Association Annual Meeting, Atlanta, Georgia.

Popp, M. and L. Nalley. 2009. "Impact of Irrigation Restrictions on Crop Acres: The Alluvial Aquifer and Biomass Crops." Presented to the 2009 Rice Research and Extension Center field day. Stuttgart, Arkansas August, 12.

Popp, M. 2009. "Using IBSAL for Biomass Crop Modeling." Invited speaker for the annual ASABE Arkansas chapter meeting. Univ. of Arkansas, Cooperative Extension, Oct. 15, 2009.

Thomsen, M. 2009. "Vineyards and Wineries in Middle America: Helping Rural Businesses Make Competent Decisions." Presentation to students in IMRD and Atlantis program, Ghent University, Ghent, Belgium, November 25.

Thomsen, M., A. McKenzie, and G. Power. 2009. "Implied Commodity Price Distributions With a Case study of Cattle Prices Around North American BSE Announcements." Presentation to faculty and PhD students in the Department of Agricultural Economics, Ghent University, Ghent, Belgium, November 24.

Wailles, E. J. and E. C. Chavez. 2009. "Explaining the 3008 Price Spikes: Impacts of Trade Policies on US Rice and Commodity Markets." Poster presented at the University of Arkansas, Division of Agriculture, Rice Research and Extension Center 2009 Field Day, Stuttgart, AR. August 12.

Watkins, K. B., J. A. Hignight, R. J. Norman, C. E. Wilson, Jr., N. A. Slaton, and D. L. Frizzell. 2009. "Maximizing Returns to Nitrogen in Arkansas Rice Production." Poster displayed at the 2009 Rice Research & Extension Center Field Day, Stuttgart, Arkansas, August 12

Agricultural and Extension Education

Edgar, L.D. – Developed and launched new Teaching Faculty Support Center (TFSC) Web site.

Edgar, L.D. – Three agricultural feature videos posted on YouTube.

- 1) <http://www.youtube.com/watch?v=1HckEEojuyE>
- 2) http://www.youtube.com/watch?v=gZfn_Vq2SOo
- 3) <http://www.youtube.com/watch?v=meETBQaQnhc>

Miller, J.D. – completed an ongoing historical research project that culminated in the publication of an 8th grade history curriculum supplement titled, *Agriculture: The Roots of Arkansas*, published and distributed by Arkansas Farm Bureau Agriculture in the Classroom. Attended a "book signing" for this publication at the Arkansas Farm Bureau Annual Convention.

Scott, F.L. – Technology use in Arkansas high school agriculture classrooms: Does experience make a difference? This study describes the relationship between years of experience as a teacher and the level of use of five educational technologies in the classroom.

Scott, F.L. – The effect of review journals on exam scores and standardized test scores for high school biology students. This study investigated the effect of writing review journal writing on subject matter retention in high school biology classes.

REFEREED POSTERS:

Edgar, D.W., Edgar, L.D., and Killian, T.S. (2009). Networks of Communication among students in a college of agriculture course. *Poster presented at the North American Colleges and Teachers of Agriculture Conference, Stillwater, OK.*

Edgar, D.W. & Edgar, L.D. (2009). Bridging the digital divide between industry and universities. *Poster presented at the Association for Excellence in Agriculture, Natural Resources, and Life and Human Sciences, Des Moines, IA.*

Edgar, D.W., Amaral, K.N., & Edgar, L.D. (2009). Networks of communication and knowledge transfer among students in a College of Agriculture introductory course. *Poster presented at the National American Association of Agricultural Education Conference, Lexington, WV and the 2009 American Association for Agricultural Education Research Conference, Louisville, KY, May 20-23, 2009.*

Edgar, D.W., Amaral, K.N., & Edgar, L.D. (2009) Networks of communication and knowledge transfer among students in a College of Agriculture introductory course. *Poster presented at the Southern Region American Association of Agricultural Education Conference, Atlanta, GA and the 2009 American Association for Agricultural Education Research Conference, Louisville, KY, May 20-23, 2009.*

Edgar, D.W., Johnson, D.M., Hudson, G.T., Sallee, C.W., & Wardlow, G.W. (2009). Analysis & application: Next generation energy solutions on the road. *Poster presented at the 2009 Southern Region American Association of Agricultural Education Conference, Atlanta, GA, January 30 – February 3, 2009.*

Edgar, L.D. (2009). How does previous research in agricultural communications fits into the National Research Agenda: Agricultural Education and Communication? *Poster presented at the 2009 American Association for Agricultural Education Research Conference, Louisville, KY, May 20-23, 2009.*

Edgar, L.D. & Edgar, D.W. (2009). How does previous research in the *Journal of Agricultural Education* compare to the National Research Agenda: Agricultural Education and Communication, 2007-2010? *Poster presented at the 2009 American Association for Agricultural Education Research Conference, Louisville, KY, May 20-23, 2009.*

Edgar, L.D. (2009). How does previous research in the *Journal of International Agricultural and Extension Education* compare to the *National Research Agenda: Agricultural Education and Communication, 2007-2010*? Poster presented at the 2009 American Association for Agricultural Education Research Conference, Louisville, KY, May 20-23, 2009.

Edgar, L.D. & Edgar, D.W. (2009). A comparison of research themes in the *Journal of Agricultural Education* to the *National Research Agenda: Agricultural Education and Communication, 2007-2010*. Poster presented at the Agricultural Communications Section of the 2009 Southern Region American Association of Agricultural Education Conference, Atlanta, GA, January 30 – February 3, 2009.

Edgar, L.D., Miller, R.P., & Edgar, D.W. (2009). Creating international agricultural experiences in the virtual world: An exploration of Second Life. Poster presented at the 2009 International Agricultural and Extension Education Conference, San Juan, Puerto Rico, May 24-28, 2009.

Edgar, L.D. (2009). How does past research in agricultural communications fit into the *National Research Agenda: Agricultural Education and Communication*? Poster presented at the Agricultural Communications Section of the 2009 Southern Region American Association of Agricultural Education Conference, Atlanta, GA, January 30 – February 3, 2009.

Glaze, C.D. & **Edgar, L.D.** (2009). Bridging the digital divide between industry and universities. *Proceedings of the 2009 Annual Meeting of the Association for Communication Excellence in Agriculture, Natural Resources, and Life and Human Sciences*, Des Moines, IA, June 6-9, 2009.

Johnson, D.M., Wardlow, G.W., & Edgar, D.W. (2009). An ASABE-Recognized agricultural systems management program in a department of agricultural and extension education. Poster presented at the 2009 Southern Region American Association of Agricultural Education Conference, Atlanta, GA, January 30 – February 3, 2009.

Johnson, D.M., Wardlow, G.W., & Edgar, D.W. (2009). An ASABE-Recognized agricultural systems management program in a department of agricultural and extension education. Poster presented at the 2009 American Association for Agricultural Education Research Conference, Louisville, KY, May 20-23, 2009.

Biological and Agricultural Engineering

Ye, K., and **Jin, S.**, pH-insensitive glucose indicator proteins. Provisional patent application 61/250118 (2009)

Kim, J.-W. and H.-M. Moon. Carbon nanotubes for shape- and size-controlled, “green” aqueous-phase synthesis of single-crystalline metallic nanoparticles. Invention disclosure filed (Aug. 2008)

Kim, J.-W. and J.-H. Kim. Fluorescent gold (FluoGold) NanoDots. Invention disclosure filed (Aug. 2008)

Ye, K. and Jin, S. (2009) “Glucose Indicator Proteins”, US 61/250118
Crop, Soil and Environmental Sciences

West, C.P., C.F. Rosenkrans Jr., and K.P. Coffey. 2009. Annual report to USDA-ARS on Physiology and Management of Fescue Toxicosis, Specific Cooperative Agreement. 58-6227-3-016.

West, C.P. 2009. Establishing and Maintaining Perennial Grass Crops for Energy: Emphasis on Switchgrass. Farm Foundation Fact Sheet, Oak Brook, IL. 2 pages.

Wilson, C.E., K. Moldenhauer, J. Gibbons, R. Cartwright, F. Lee, R. Norman, J. Bernhardt, C. Parsons, D. Frizzell, J. Branson, M. Blocker, J. Bulloch, S. Runsick, and R. Mazzanti. 2009. Arkansas Rice Performance Trials, 2007-2009. UofA CES Rice Information Sheet No. 168.

Food Science

Devareddy, Latha – member Arkansas Coalition for Obesity Prevention

Devareddy, Latha – member Access to Health Foods Committee – works with the Department of Health to organize a campaign to enhance the access to healthy foods in the state of Arkansas

Devareddy, Latha – works with the Marshallese population in Northwest Arkansas to assess their nutritional needs

Ricke, Steven C. - President-elect and Co-Founder of newly formed Arkansas Association of Food Protection

Buescher, Ron - IFT, Program abstract review panel member

Buescher, Ron - IFT, Cruess award jury member

Crandall, Philip - Departmental United Way representative

Hettiarachchy, Navam - coaches IFT College Bowl team and Product Development Team

Hettiarachchy, Navam - Gamma Sigma Delta International Historian

Hettiarachchy, Navam - administrator Masterfoods/IFT Scholars program

Howard, Luke – reviewer North Carolina State University faculty member’s promotion packet

Proctor, Andrew – reviewer Iowa State University faculty member's promotion package

Ricke, Steven C. - Developed Center for Food Safety microbial culture collection Service Center.

Siebenmorgen, Terry – reviewer Oklahoma State University faculty member's promotion package

Siebenmorgen, Terry - Faculty Advisor to Farm House Fraternity

INDUSTRY OR EXTENSION MEETINGS:

Buescher, R.W. Pickle Packers International Spring Conference, April 2009, Detroit; Michigan.

Buescher, R.W. Kraft-Claussen Summit, August 2009, Woodstock, Illinois.

Buescher, R.W. Pickle Packers International Annual Conference October 2009, Chicago, Illinois.

Crandall, P.G. Arkansas Pastured Poultry Association, March 2009, Berryville, AR.

Crandall, P.G. Arkansas Association for Food Protection, October 2009, Springdale, AR.

Devareddy, L. Is Rice a Functional Food? The Kellogg Company, October 2009, Battle Creek, MI.

Devareddy, L. NSF-EPCOR meeting, Little Rock, AR

Hettiarachchy, N.S. Arkansas Association of Food Protection, October 2009, Springdale, AR.

Howard, L.R. Driscoll's Research and Development, June 2009, Watsonville, CA.

Howard, L.R. Arkansas Biosciences Institute Fall Research Symposium, September 2009, Jonesboro, AR.

Howard, L.R. LSU Department of Food Science, November 2009, Baton Rouge, LA.

Meullenet, J.F. 2009. New Developments in preference mapping. *Invited*, VMT Dynamiek in Sensoriek, May 12 2009, Utrecht, The Netherlands

Morawicki, R.O. Food Processing Environmental Conference, March 2009, San Antonio TX.

Morawicki, R.O. "The Role of Extension in Energy" Conference, June 2009, Little Rock, AR.

Morawicki, R.O. Scientific Advisory Council, American Frozen Food Institute, Monterrey, CA

Proctor, A. Arkansas Biosciences Institute Fall Research Symposium, September 2009, Jonesboro, AR.

Proctor, A. Sustainable Utilization of Renewable Resources, June-July 2009, Graz, Austria.

Ricke, S.C. Cobb-Vantress Incorporated, July 2009, Siloam Springs, AR.

Ricke, S.C. Kemin's 5th Annual Petfood Symposium, October 2009, St. Louis, MO.

Ricke, S.C. Arkansas Association for Food Protection, October 2009, Springdale, AR.

Seideman, S.C. Horticultural Industries Show, January 2009, Fort Smith, AR.

Seideman, S.C. Arkansas Pastured Poultry Association, March 2009, Berryville, AR.

Seideman, S.C. Reciprocal Meats Conference, June 2009, Rogers, AR.

Seideman, S.C. American Meat Institute, October 2009, Chicago, IL.

Seideman, S.C. Arkansas Association for Food Protection, October, 2009, Springdale, Ark.

Siebenmorgen, T.J. PIRAHY Foods of Brazil, January 2009, Fayetteville, AR.

Siebenmorgen, T.J. Arkansas Drier and Warehouseman's Association, February 2009, Robinsonville, MS.

Siebenmorgen, T.J. Rice Utilization Workshop March 2009, New Orleans, LA.

Siebenmorgen, T.J. Rice Processing Program Industry Alliance Meeting, August 2009, Fayetteville, AR.

Siebenmorgen, T.J. Presentation and planning meeting with Bühler Group, August 2009, Fayetteville, AR.

Siebenmorgen, T.J. BASF, August 2009, Fayetteville, AR.

Siebenmorgen, T.J. University of Arkansas Rice Research and Extension Center Field Day, August 2009, Stuttgart, AR.

Siebenmorgen, T.J. Gulf Coast Rice Millers and Driers, October 2009, Alvin, TX.

Siebenmorgen, T.J. Kellogg Company Global Rice Conference, October 2009, Battle Creek, MI.

Siebenmorgen, T.J. Louisiana Rice Mill and the LSU Rice Research Center, October 2009, Crowley, LA.

Wang, Y.-J. Starch Round Table, September 2009, Baltimore, MD.

Horticulture

Clark, J.R. 2009. A-2640 and Natchez patents filed last year have moved along successfully and patent examiner actions have been responded to adequately. The issue fees for both have been paid and patent numbers for both should be issued in 2010.

Clark, J.R. 2009. Varieties released in 2009: White Cloud and White Diamond peaches and Prime-Ark®45 blackberry.

Evans, M.R. 2009. “Greenhouse management Online” was developed and copyrighted and is a password protected “for subscription” site” (<http://greenhouse.uark.edu>).

Evans, M.R. 2009. Taught six hours of lecture sessions on publishing in plant science journals at the University of Padova (Italy) for graduate students. May, 2009.

Lindstrom, J.T. 2009. *Sinningia* ‘Arkansas Bells’ (already in production for commercial sales in 2010). ×*Vanvana* ‘Harlequinade’ first registration and release of an intergeneric hybrid between *Vanhouttea* and *Sinningia*.

Human Environmental Sciences

Farmer, F.L. (2009) *RSIDE: Rural Sociology Information and Data Effort* that serves as a source of data and information for a wide range of individuals, agencies and institutions.

Harrington, R.J. (2009). What is this business? the chef and the “how” and “why”. *The World of Culinary Supervision, Training and Management, 4th ed.* (p. 31). J.W.Chesser and N. C. Cullen (Eds.). Prentice-Hall.

Swafford, M., Jolley, L., and **Southward, L.** (2009). The relationship between dress and behavior among high school students. Research to Practice Roundtable at American Association of Family and Consumer Sciences. Knoxville, Tennessee.

Turner, M. J. (2009). In-laws, relationships with. In H.T. Reis & S. K. Sprecher (Editors), *Encyclopedia of Human Relationships*. Thousand Oaks, CA: Sage Publishers. Invited encyclopedia entry published in three volume set.

Plant Pathology

Coker, Clifford M. 2009. Collaborated on research in the areas of soybean seedling disease.

Coker, Clifford M. 2009. Collaborated on research in the areas of foliar wheat disease.

Coker, Clifford M. 2009. Collaborated on research in the area of foliar soybean disease.

Coker, Clifford M. 2009. Collaborated on research in the areas of rice diseases.

Coker, Clifford M. 2009. Collaborated on research in the areas of tomato root knot nematodes.

Coker, Clifford M. 2009. Collaborated on research in the areas of RKN on cotton/soybean.

Coker, Clifford M. 2009. Collaborated on research in the areas of cucurbit diseases.

Coker, Clifford M. 2009. Directed research in the areas of foliar soybean disease.

Coker, Clifford M. 2009. Directed research in the areas of cotton foliar disease.

Coker, Clifford M. 2009. Directed research in the areas of cotton boll disease.

Coker, Clifford M. 2009. Directed research in the areas of foliar tomato disease.

http://www.uaex.edu/Other_Areas/publications/PDF/FSA-7526.pdf

http://www.uaex.edu/Other_Areas/publications/PDF/MP154/MP-154.asp

Lee, F.N. 2009. In collaboration with selected research and extension project leaders, I established and coordinated a walk up 'Plant Disease Tent' during the 2009 RIRE field day. Subjects covered included plant disease detection and identification (with microscopes and video presentations), diseases of soybean (soybean rust), and rice diseases including rice blast, rice smuts (False smut and Kernel smut) and rice sheath blight.

Milus, E.A. 2009. Wheat field day for Arkansas Wheat Promotion Board, 30 April 2009.

Milus, E.A. 2009. Wheat field day in Lafayette Co., 6 May 2009.

Milus, E.A., R.D. Cartwright, C. Rothrock, and C.E. Parsons. 2009. Management of Take-All Disease of Wheat in Arkansas. FSA-7526, Univ. AR. Div. AG. Coop. Ext. Ser., Little Rock, AR, minor revision.

Monfort, S. 2009. I coordinated the soybean rust monitoring program in its main efforts to provide the most up to date and accurate information regarding development and spread of Asian Soybean Rust in Arkansas. The Division of Agriculture awarded the soybean rust working group with the John W. White Outstanding Team Award for their efforts in monitoring, alerting, and providing needed recommendations for managing soybean rust in 2009. I continue to contribute to information and disease management guidelines of diseases in rice, cotton, corn, soybeans, and wheat. I introduced and utilized precision agriculture technologies in the management of diseases and nematodes in both research and extension programs. I was selected to serve as the double crop soybean systems coordinator for the Arkansas Soybean Promotion Board. I have also been asked to serve on numerous university committees including three graduate student committees for the Plant Pathology Department.

Vann, S.R. and W.S. Monfort, eds. 2009. Arkansas Plant Disease Control Products Guide – 2010. Rice, wheat, sorghum sections by **R.D. Cartwright.** Univ. AR. Coop. Ext. Ser., Little Rock, AR, major revision.

Wilson, C.E., K.A.K. Moldenhauer, J.W. Gibbons, **R.D. Cartwright**, **F.N. Lee**, R.J. Norman, J.L. Bernhardt, C.E. Parsons, D.L. Frizzell, J.D. Branson, M.M. Blocker, J. Bulloch, S. Runsick and R. Mazzanti. 2009. Arkansas rice performance trials, 2007-2009. Rice Information Series 168, Univ. AR. Div. AG. Coop. Ext. Ser., Little Rock, AR.
<http://www.aragriculture.org/crops/rice/PerfTrials/arpt0709.pdf>

Poultry Science

Bramwell, K., Attended the SPSS International Scientific meetings, Atlanta, Georgia, January 26-27, 2009.

Bramwell, K., Research Meeting with Alltech, Atlanta, GA, January 26, 2009.

Erf, G., I continue to be the Director of the Cell Isolation and Characterization Facility housed in the POSC Center. My responsibilities include training of researchers (faculty, students, staff and other researchers) who need to use the equipment for their research, maintenance of instruments (flow cytometer, image analysis, FACS stations, incubators, laser capture microdissection system, etc.) and accounting. Additionally, for the flow cytometer, I also conduct sample acquisitions for individuals that will use the instrument only occasionally. This responsibility constitutes a significant portion of my research component.

Note: this duty previously constituted 5% of a 15% service component; now this activity is listed as 1% of teaching as well as 4% of my research responsibilities

Erf, G., A substantial amount of my research effort also involves the maintenance of genetic lines of chickens that constitute the avian autoimmune/autoinflammatory disease model. These include the Smyth line, the parental Brown line and the resistant Light Brown Leghorn line of chickens. This effort involves animal care, genetic selection, artificial insemination, pedigree hatches, rearing chicks to adult hood, weekly scoring of vitiligo progression, and record keeping. With the exception of experimental populations maintained in Sweden as part of collaboration, the breeding populations maintained by us are the only ones of this kind in the World. For this reason I maintain subpopulations on the poultry farm and in isolation at the Poultry Health Laboratory.

Erf, G., Completed mandatory training for Environment and Safety Compliance.

Erf, G., participated in a LEAD (Leadership Excellence for Academic Diversity) National Workshop held in Fayetteville, June 21-23, 2009.

Goodwin, H.L. Jr. and Nathan P. Kemper. *CREP Revenue Calculator for Agricultural Producers in the Illinois River Watershed*. June, 2009

Owens, C., Meetings attended - Southern Poultry Science Society Meeting (January 2009), International Poultry Exposition (January 2009), The Poultry Federation Poultry Festival (June 2009), Reciprocal Meats Conference (June 2009), Poultry Science Association Annual Meeting (July 2009), Annual Processors Workshop, The Poultry Federation (October 2009)

Faculty Fay Jones School of Architecture

Marlon Blackwell

BOOKS PUBLISHED:

Beaver, Robyn, 21 Century Houses; 150 of the World's Best, Victoria, Australia, Images Publishing Group Pty Ltd, pg. 246-247, April 2010 ISBN 978-1-864-70381-8 (features L-Stack House, Fayetteville, Ark.)

Architecture for Humanity editors, Rebuilding After Disaster: The Biloxi Model Home Program, A Blurb Publication, pg 70-75, Jan 2010, ISBN 978-0-615-25104-2. (The Porchdog Prototype House is featured as one of (7) Architecture for Humanity model homes for post-Katrina Biloxi, Miss.)

Dia, Ahmad A., A/A Housing Awards 2007-2008 No.1, Beirut, Lebanon, Ahmad A. Dia Publishing, pg. 194-205, April 2009 (features L-Stack House, Fayetteville, Ark.)

REFEREED ARTICLES AND PROCEEDINGS:

Blackwell, Marlon, "Architecture in a Landscape of Unholy Unions," Journal of Architectural Education (JAE): Vernaculars in the Age of Digital Reproduction, Volume 63 Issue 1, October 2009: 90-95. (invited OP Arch article discussing the role of the vernacular in my professional work with contributions by David Buege.) Features the HoneyHouse, Dragonfly House, Bullfrog House, the Porchdog House, and the Srygley Office Building.

ARTICLES AND REFEREED PUBLICATIONS:

Drueding, Meghan, "Residential Architect: Design Awards 10," Residential Architect, May-June 2010: 38-39 (features the L-Stack House, Grand Award Winner for custom houses 3000 square feet or less)

Grawe, Sam, "Our Favorite Homes From the Last Ten Years of Dwell," Dwell, "100 Houses We Love, Summer Special Issue 2010": 16-17 (features the Keenan Towerhouse originally published in Dwell August 2001)

Cooper, Brad, "An Architecture of Unholy Unions", Dimensions 23, University of Michigan Taubman College Journal, May 2010: 133-142

Dieudonne, Rudy, "Bridging Architectural Practice and Academia", Architrave 17: Orientation, University of Florida Design Magazine, April 2010: 77-80

INVITED LECTURES, DESIGN AWARDS JURIES, GUEST CRITIC, AND VISITING PROFESSORSHIPS: INVITED LECTURES (ACADEMIC AND PROFESSIONAL):

Roger Williams University, Bristol, Rhode Island, May 2010

UT Austin, Austin, Texas, Mar 2010

Dalhousie University, Halifax, Nova Scotia, Feb 2010

Drury University, Springfield, Missouri, Feb 2010

Washington University, St Louis, Missouri, Nov 2009

Arkansas State AIA Convention (featured speaker), Hot Springs, Ark., Oct 2009

Florida State AIA Convention (featured speaker), Tampa, Florida, Aug 2009

INVITED DESIGN AWARDS JURIES:

Wisconsin State A/A Awards Jury, Madison, Wisconsin, Apr 2010

Austin A/A Awards Jury, Austin, Texas, Mar 2010

Rensselaer Polytechnic Institute, 2nd year final reviews, May 2010

UNCC Critical Mass, Thesis Reviews, speaker, and panel discussion with Bryan Bell and Coleman Coker, Charlotte, North Carolina, Apr 2010

Eliel Saarinen Visiting Professor, University of Michigan (Fall 2009)

CREATIVE WORK (WORKS IN PROGRESS, BUILT COMMISSIONS, AND ON HOLD):

Ruth Lilly Visitors Pavilion, Indianapolis, Indiana (under construction) Entry pavilion for the 100 Acres Art and Nature Park at the Indianapolis Museum of Art featuring a steel exoskeleton, Ipe screen deck and canopy with a steel and glass lounge floating above a floodplain in the woods. (June 20 grand opening)

Vol Walker Hall Additions and Renovations, University of Arkansas, Fayetteville, Arkansas (schematic design) 30,000 sq. ft. addition and 67,000 sq. ft. renovation of the UA Architecture School. Addition includes new design studios, faculty offices, 200 seat auditorium, exhibition gallery, lounges, and green roof. Polk Stanley Wilcox are associated architects. (March 2010) (new commission)

Fayetteville High School Phase 1&2 Additions and Renovations, Fayetteville, Arkansas, (design and development) 297,000 sq. ft. new construction on the existing high school campus to include (3) new gymnasiums, a 900 seat auditorium, administration offices, (2) 300 student small learning communities, agri school, film studio, commons area, and band rooms. Design features big box massing with metal panel, local stone, and glass curtain wall envelope. Design team

includes Hight Jackson Architects, Rogers, Arkansas and the DLR Group, Overland Park, Kansas (November 2009) (new commission)

Crystal Bridges Museum Store, Bentonville, Arkansas, (design development phase), Winner of an invited competition to design a 3,000 sq. ft. museum store set within a curved concrete space in the new Crystal Bridges American Art Museum by Moshe Safdie. The design features a hung ceiling and back wall constructed of 300 cherry plywood ribs CNC milled from over 400 sheets of plywood. The ceiling canopy is based on the “lamella” – the underside of a mushroom. Here an aesthetic experience is wedded to a retail experience. (April 2010) (new commission)

St. Nicholas Orthodox Church, Springdale, AR renovation of 3000sq. ft. existing metal building into a new sanctuary and fellowship hall. (January 2010)

Porchdog Prototype House, Biloxi, Miss., – a post-Katrina 1500 sq. ft. single-family house. One of seven homes for the Architecture for Humanity Biloxi Model Home Program. (November 2009)

Blair Pavilion and Sculpture Garden, Fayetteville, Ark., a space for entertaining and enjoying their sculpture collection and the natural environment. (June 2009)

HONORS OR AWARDS RECEIVED:

Residential Architect Magazine Grand Award (national honor) for Custom Homes 3,000 sq. ft. or Less. (Jan 2010), L-Stack House, Fayetteville, Arkansas, 978 entries, 26 winners (6 Grand Awards)

Fallingwater Design Competition (national honor) (Feb 2010) 1 of 6 finalists selected from 50 invited firms from the U.S. and Canada. The Western Pennsylvania Conservancy as an expansion to their educational programs at Frank Lloyd Wright’s Fallingwater House.
Brit Insurance Design Awards (international honor) (Jan 2010)

The Porchdog House, Biloxi, Miss., was nominated as a finalist (1 of 14) in the architectural category of the annual Brit Insurance Designs of the Year Competition. One of two finalists from the U.S. Images and a model are on view in the current Brit Insurance Designs of the Year exhibition at the Design Museum in London, England, March-October 2010.

“American/Canadian Exhibition”, Russian National Architecture Fair: “Zodchestvo 2009”, Moscow, Russia. (October 2009) 1 of 38 distinguished design firms invited to exhibit one project each to be part of a traveling exhibition to introduce Russia to North American Architecture. The exhibition was curated by Brian A. Spencer, AIA. The ‘L-Stack House, Fayetteville Arkansas’ was featured in the exhibit.

Mark Boyer

REFEREED ARTICLES AND PROCEEDINGS:

Smith, Carl. & Boyer, Mark. "The Effectiveness of Trainee/Mentor Verbal Feedback Approaches in the Assessment of Landscape Architecture Students". Proceedings. CELA 2009-2010 Conference. Maastricht, Netherlands. May 11-14 2010.

"Green roofs and bioretention for sustainable landscapes," Texas Chapter ASLA Annual Meeting San Antonio, Texas. March 2010.

INVITED LECTURES:

"Green roof basics and benefits for sustainability," U.S. Green Building Council-Arkansas Chapter, Little Rock, Arkansas. May 2010.

"Ice Storm 2009, impacts on trees and the reasons to replant" Fayetteville Ozark Society Fayetteville, Arkansas. November 2009

"Sustainable Stormwater," Fayetteville Altrusa International Fayetteville, Arkansas. November 2009.

HONORS OR AWARDS RECEIVED:

Tau Sigma Delta Honor Society Silver Medal recipient, April 2010

CONTINUING EDUCATION:

Rain Garden Design. Eight-hour Master Gardeners Advanced training short course. Baxter County Master Gardeners September 2009.

University of Arkansas Women's Giving Circle Grant. "Young Women's Design Academy" Principle investigator. \$4,000. Funded 2010.

Judy Byrd Brittenum

REFEREED ARTICLES AND PROCEEDINGS:

"The Value of Mentorship: Establishing Successful Design School Leadership and Culture", co-authored with Laura Terry, CELA (Council of Educators in Landscape Architecture) paper, May 9-16, 2010. Maastricht, Netherlands

HONORS OR AWARDS RECEIVED:

Lucille Westbrook Award, (\$1,000 prize) Arkansas Historical Association, for “Verna Cook Garvan: Time in a Garden”, presented April 16, 2010.

David Buege

REFEREED ARTICLES AND PROCEEDINGS:

“Architecture in a Landscape of Unholy Unions,” Journal of Architectural Education, Volume 61 Number 1, October 2009. [With Marlon Blackwell.]

INVITED LECTURES:

“These.” Fayetteville, Ark. University of Arkansas School of Architecture, 8 February 2010.

John V. Crone

REFEREED ARTICLES AND PROCEEDINGS:

“Reintegration of Housing and Agriculture for a Sustainable Future,” CELA (Council of Educators in Landscape Architecture) paper, May 9-16, 2010. Maastricht, Netherlands
“Complete Transportation Systems Research and Design — A Case Study Approach”, CELA (Council of Educators in Landscape Architecture) paper, May 9-16, 2010. Maastricht, Netherlands.

RESEARCH REPORTS:

Funded Research Report, “A Cost-Driven Policy Approach for Development of On-Street and Off-Street Bicycle, Multi-Use and Single-Use Paths and Related Facilities,” published online in October 2009.

Off-Campus Duty Assignment Research Report, “A Comparison of Several New Deal Farm Resettlement Community Plans with Some Emphasis on Arkansas,” November 2009.

CREATIVE WORK:

Site Analysis phase for personal client building energy efficient home linked to wind and solar power and reclamation agriculture. Dr. Val Ailens, Winslow, Ark.

Kimball Erdman

CREATIVE WORK:

Joseph Smith Birthplace Memorial Cultural Landscape Report, in collaboration with Heritage Landscapes LLC, for the Church of Jesus Christ of Latter-day Saints, site located in Sharon and Royalton, Vermont, completed February 2010.

HONORS AND AWARDS:

Howell Vancuren Teaching Award, Department of Landscape Architecture, University of Arkansas, May 2010.

Ethel Goodstein-Murphree

INVITED LECTURE:

“It Started With A Building, The Carnegie Library and the Community,” Public Lecture, Eureka Springs Public Library Centennial Celebration, Eureka Springs, Arkansas, 21 February 2010.

REFEREED SCHOLARLY PAPER PRESENTATION:

“Nature and Humanity in a Simple Shed, Fay Jones’s Pinecote Pavilion,” Annual Conference of the Southeast Chapter, Society of Architectural Historians, Jackson, Miss., October 30, 2009.

HONORS OR AWARDS RECEIVED:

Humanities Scholar, Arkansas Humanities Council Media Grant, “Mid-Century Modernism in Arkansas Initiative,” with Mark Wilcken, Producer, Arkansas Educational Television Network (AETN), 2009-10.

PUBLIC, PROFESSIONAL AND COMMUNITY SERVICE:

Fayetteville Historic District Commission, reappointed by the Mayor, May 2009; (three-year term).

Historic Preservation Alliance of Arkansas, appointed to the Board of Directors, November 2006, (four-year term); elected Vice President of Programs, 2009-10.

Board of Directors, (Arkansas Representative), Southeast Chapter, Society of Architectural Historians, 2008-2011.

Gregory Herman

REFEREED ARTICLES AND PROCEEDINGS:

“Arkansas Writers Project” Encyclopedia of Arkansas History & Culture (online resource):
www.encyclopediaofarkansas.net.

REFEREED SCHOLARLY PAPER PRESENTATIONS:

Delta Drawn: The Architecture of Arkansas’ Dyess Farms,” Annual Meeting, Southeast chapter, Society of Architectural Historians, Jackson, Miss., Oct 28-31, 2009

“The Architecture of Arkansas’ Chicot Farms Resettlement Colony,” Annual Meeting, Delta Symposium, Arkansas State University, Jonesboro, Ark., April 2010.

INVITED LECTURES:

Presentation: “Problem-Based Learning, “Selected Participant, Teaching and Faculty Support Center Summer Camp, Petit Jean Mountain, August 2-5, 2009.

HONORS OR AWARDS RECEIVED:

Awarded Mentor Stipend, Arkansas Department of Higher Education, Student Undergraduate Research Fellowship (SURF), R. Elizabeth Jones, “Architectural Activism in Post-Katrina New Orleans, “\$650, fall, 2009.

Awarded Mentor Stipend, Honors College Undergraduate Research Grant, R. Elizabeth Jones, “Architectural Activism in Post-Katrina New Orleans, “\$1,000, and fall 2009.

Team Member, 2009 Unique Contribution to Planning Award, “Visioning Rail Transit in Northwest Arkansas, “Arkansas Chapter of the American Planning Association, spring 2010.

Michael Hughes

INVITED LECTURES:

“Tectonic Landscapes” Louisiana Tech University, Ruston, La. Sept 29, 2009

“Tectonic Landscapes” University of Nebraska, Lincoln, Neb. Nov. 13, 2009

“Tectonic Landscapes” Cal Poly-S.L.O., San Luis Obispo, Calif. Jan. 29, 2010

“Tectonic Landscapes” Woodbury University, Los Angeles, Calif. Feb. 22, 2010

“Tectonic Landscapes” Portland AIA, Portland, Ore. Apr. 9, 2010

REFEREED SCHOLARLY PAPER PRESENTATIONS:

Hughes, M., "Tectonic Landscapes: The Outdoor Classroom Project." Association of Collegiate Schools of Architecture National Meeting, New Orleans, La.

CREATIVE WORK:

Hughes, Michael and Catovic-Hughes, Selma, Ozark Liquor, Fayetteville, Ark. Completed design and construction documents for a new interior.

Hughes, Michael and Catovic-Hughes, Selma, Springer Residence, Fayetteville, Ark. Completed Schematic Design.

HONORS OR AWARDS RECEIVED:

2009-10 ACSA Collaborative Practice Award for Tectonic Landscapes: The Outdoor Classroom Project. Association of Collegiate Schools of Architecture National Meeting, New Orleans, La.

2010 Gulf States AIA Design Award for The Outdoor Classroom.

2010 Arkansas Alumni Association Outstanding Faculty Nominee.

"MacArthur Park District Master Plan", Arkansas Chapter of the American Institute of Architects: Hot Springs (2009)

Steve Luoni

RESEARCH/PLANNING GRANTS AND CONTRACTS:

Arkansas Forestry Commission, Redesign Urban and community Forestry Assistance Grant, University of Arkansas Community Design Center, \$5,000 (2010)

National Endowment for the Arts, Farmington Townscape, Principal Investigator: University of Arkansas Community Design Center, \$20,000 (2010)

INVITED MODERATOR OR PANELIST AT CONFERENCES:

Keynote Speaker: Building Recombinant Ecologies. 2010 Spring Meeting of Iowa Chapters of the ASLA, AIA, and the Great Plains Chapter of the IIDA Des Moines, Iowa

Workshop: Low Impact Development, 2010 Spring Meeting of Iowa Chapters of the ASLA, AIA, and the Great Plains Chapter of the IIDA, Des Moines, Iowa.

Speaker: Building Sustainable Communities, “ Building Sustainable ” – The Environmental, Social, and Economic Pillars of Sustainability Florida Campus Compact and Florida A&M University: Tallahassee (2009)

Speaker: Building Recombinant Ecologies, 2009 Monterey Design conference, AIA California Council

Speaker: Building Recombinant Ecologies, Louisiana American Planning Association Conference, Natchitoches (2009)

Panelist: Sustainable Urban Transportation, Little Rock Sustainability Summit (2009)

PUBLISHED PROJECTS AND REVIEW OF CREATIVE WORK:

Linda Mack, “Big Plans for Little Rock Park”, Architecture Minnesota, Vol 36, No 4, July-August 2010, pp 42-45

Meghan Drueding, Cheryl Weber, Bruce Snider, and Nigel Maynard, “Residential Architect Design Awards”, Residential Architect, May-June 2010, p 83.

“American Institute of Architects 2010 Honor Awards”, Architectural Record, June 2010, p 116.
“Urban Design Awards”, Boston Society of Architects/AIA 2009 Design Awards, Boston: The Boston Society of Architects, 2010, p 161

Amanda Kolson Hurley, “Community Design”, Architect, December 2009, p 54.

Kendall Curlee, “Back to the Future: The University of Arkansas Community Design Center

Makes the Case for Light Rail”, Research Frontiers: University of Arkansas, Fall 2009, pp 20-25.
“ACSA/AIA Housing Design Education Awards”, Architectural Education Awards, Washington D.C.: Association of Collegiate Schools of Architecture, 2009, pp 54-54.

“The 2009 AIA Institute Honor Awards for Regional and Urban Design”, Landscape Architecture, 2009, No 2, Beijing, China, pp39-42.

REFEREED PRESENTATIONS AND /OR EXHIBITIONS AND INTERNATIONAL CONFERENCES:

“Visioning Rail Transit in Northwest Arkansas”, Great Places Award Winners, Environmental Design Research Association 2010 Annual Conference, Washington D.C.

HONORS AND AWARDS:

2010 Conservation Awards: Regional visionary of the Year, “Visioning Rail Transit in Northwest Arkansas, Sierra Club, Arkansas Chapter.

McIntosh Architecture Faculty Award, with Jeff Huber, “Agriculture Urbanism” Research, University of Arkansas Fay Jones School of Architecture (2010)

Great Places Award in Planning, University of Arkansas Community Design Center + Washington University in St. Louis, “Visioning Rail Transit in Northwest Arkansas”, Places and the Environment Design Research Association(2010).

2010 AIA Education Honors Award, University of Arkansas Community Design Center, “Cities Without Cities: New Town Centers for Bella Vista, Arkansas”, The American Institute of Architects

2010 AIA Education Honors Award, University of Arkansas Community Design Center, “Porchscapes: An Affordable LEED Neighborhood Development”, The American Institute of Architects

2010 AIA Education Honors Award, University of Arkansas Community Design Center, “Visioning a 21st Century Learning System”, The American Institute of Architects

Merit Award: On the Boards, University of Arkansas Community Design Center, “Porchscapes: An Affordable LEED Neighborhood Development”, Residential Architect Design Awards. (2010)

2010 AIA Honor Award for Regional and Urban Design, UACDC with Conway + Schulte Architects, and Oslund and Assoc., “MacArthur Park District Master Plan”, The American Institute of Architects.

2009 American Architecture Awards, University of Arkansas Community Design Center, “Porchscapes: An Affordable LEED Neighborhood Development”, The Chicago Athenaeum: Museum of Architecture and Design.

Citation Award, UACDC With Conway + Schulte Architects, and Oslund and Assoc., “MacArthur Park District Master Plan”, Arkansas Chapter of The American Institute of Architects (2009).

2009 Gold Medal, UACDC With Conway + Schulte Architects, and Oslund and Assoc., “MacArthur Park District Master Plan”, Association of Licensed Architects (2009)

2009 Community Outreach Award, University of Arkansas Community Design Center, Fayetteville, Chamber of Commerce

Excellence in Green Building Education Recognition Award, University of Arkansas Community Design Center, U.S. Green Building Council (2009).

2009 Professional Design Awards, UACDC With Conway + Schulte Architects, and Oslund and Assoc., “MacArthur Park District Master Plan”, Society of American Registered Architects.

Achievement in Urban Design Award, UACDC With Conway + Schulte Architects, and Oslund and Assoc., “MacArthur Park District Master Plan”, Arkansas Chapter of the American Planning Association.

Unique Contribution to Planning Award, University of Arkansas Community Design Center + Washington University in St. Louis, “Visioning Rail Transit in Northwest Arkansas, Arkansas Chapter of the American Planning Association(2009).

Citation: Urban Design Awards, UACDC with Conway + Schulte Architects, and Oslund and Assoc., “MacArthur Park District master Plan”, Boston Society of Architects/New York Chapter of the American Institute of Architects (2009).

Merit Award, UACDC With Conway + Schulte Architects, and Oslund and Assoc., “MacArthur Park District Master Plan”, Minnesota Chapter: American Society of Landscape Architects.

REFEREED PRESENTATIONS:

“Visioning Rail Transit in Northwest Arkansas”, Great Places Award Winners, Environmental Design Research Association Annual Conference, Washington, D.C. (2010)

Panelist and Speaker: Place-Building Models for Sustainable Cities and Landscapes “ Urban Design and Energy Demand: Transforming Cities for and Eco-Energy Future” 2010

American Association for the Advancement of Science: San Diego Residential Architect Design Awards, “Porchescapes: An Affordable LEED Neighborhood Development”. AIA 2010

National Convention and Expo: The American Institute of Architects, Miami

Honor Awards, “MacArthur Park District Master Plan”, AIA 2010 National convention and Expo: The American Institute of Architects, Miami

REFEREED EXHIBITIONS:

New American Architecture, “Porchescapes: An affordable LEED Neighborhood Development”, The European Centre for Architecture Art Design and Urban Studies, Contemporary Space Athens: Athens, Greece (2009).

“MacArthur Park District Master Plan”, Build Boston, The Annual Building Industry Convention, World Trade Center: Boston 2009, Boston Society of Architects/New York Chapter of the American Institute of Architects.

“MacArthur Park Connections Master Plan”, 2009 Building community Exhibition: Minneapolis, Minneapolis AIA, Hennepin county, and Minneapolis Planning and Community and Economic Development.

INVITED EXHIBITIONS:

“MacArthur Park District Master Plan”, Arkansas Chapter of the American Institute of Architects: Hot Springs (2009)

Tahar Messadi

ARTICLES AND UNREFEREED PUBLICATIONS:

A short article on NICU Project appeared in Research Frontiers, University of Arkansas

RESEARCH REPORTS:

Next Generation NICU, Sponsor Phoebe Putney Memorial Hospital, funding \$11,000, Nov. 2009

CREATIVE WORK:

Acoustical Design Consulting, IMA Interpretive Pavilions, Indianapolis, Indiana, May 15, 2010, Marlon Blackwell Architect

Acoustical Design Consulting, Green Forest Middle School, Green Forest Arkansas, February 15, 2010, under construction, M. Baribeau, Architect, Modus Studio.

Kim S. Sexton

REFEREED ARTICLES AND PROCEEDINGS:

“Justice Seen: Loggias and Ethnicity in Early Modern Italy,” Journal of the Society of Architectural Historians 68.3 (Sept., 2009): 308-311

REFEREED SCHOLARLY PAPER PRESENTATIONS:

“Framing Heterotopic Space: Late Medieval Loggia and Image.” CAA (College Art Conference), in Los Angeles, Calif. February 26, 2009.

“The Circus Basilica and the Athletes of Christ.” SESA (Southeast Society of Architectural Historians), in Jackson, Miss. October 1, 2009.

Carl Smith

REFEREED ARTICLES AND PROCEEDINGS:

Smith, C.; Clayden, A. & Dunnett, N. (2009). A consideration of the sustainability of residential greenspace in the UK. Proceedings. ECLAS ALNARP 2008. New Landscapes –New Lives. New Challenge in Landscape Planning, Design and Management. 20th Conference of European

Schools of Landscape Architecture. Faculty of Landscape Planning, Horticulture and Agricultural Science, Swedish University of Agricultural Sciences, Alnarp, Sweden. September 11-14 2008.pp

Wallace, S.; Crone, J. & Smith, C. (2010). Healthy Communities, Healthy Planet. Proceedings. Hawaii International Conference on Arts and Humanities, Eighth Annual Conference. University of Louisville, Center for Sustainable Urban Neighborhoods. Honolulu, Hawaii, USA. January 13-16 2010.pp 1832-1856.

INVITED LECTURES:

Grey or green: hard landscape design in sustainable English housing, 21st May 2010, United States Green Building Council, Arkansas Chapter, Little Rock, Ark. (This presentation outlines best-practice in landscape hard works, as determined by life-cycle analyses, identifies in levels of sustainable thinking evident within the hard landscape works of English residential developments that have been promoted as being sustainable and discusses possibilities for better future practice.

REFEREED SCHOLARLY PAPER PRESENTATIONS:

Smith, C. & Boyer, M. "The Effectiveness of Trainee/Mentor Verbal Feedback Approaches in the Assessment of Landscape Architecture Students." CELA (Council of Educators in Landscape Architecture) 2009-2010 Conference. Maastricht, Holland. May 11-May 14 2010.

CREATIVE WORK:

"Starpops" Land Art Project, Fayetteville Public Library, Fayetteville, Ark., September 2009. (Temporary Land-art pieces within the gardens of Blair Library. The piece was designed and constructed by myself in collaboration with local landscape designer Stuart Fulbright and Chaim Goodman-Strauss (Chair of the Mathematics Department). Permission to build involved liaison with the library staff.

HONORS OR AWARDS RECEIVED:

New Faculty Commendation for Teaching Commitment (2008/2009). University of Arkansas, Wally Cordes Teaching and Faculty Support Center, September 2009.

Howell-Vancuren Outstanding Landscape Faculty Teaching Award (2008/2009).University of Arkansas, Fay Jones School of Architecture, October 2009.

Korydon Smith

BOOKS PUBLISHED:

Korydon Smith, Jennifer Webb, and Brent Williams, Just Below the Line: Disability, Housing, and Equity in the South, Fayetteville, AR: University of Arkansas Press, May 2010

Korydon Smith, "Architectural Theory in the Undergraduate Curriculum: A Pedagogical Alternative," Published in the Proceedings of the National Conference of the Association of Collegiate Schools of Architecture, New Orleans, La., March 6, 2010.

Korydon Smith, "Breaking the Skin: Modifications of Body, Home, and Identity," Multi: The Journal of Diversity and Plurality in Design, Vol.2, pp. 33-43.

INVITED LECTURES:

Korydon Smith, "Arkansas Universal Design Project," Invited lecture at the curriculum development advisory board meeting, North Carolina A&T, Greensboro, N.C., February 27-28, 2010.

Korydon Smith, "Making Your Retirement Home Work for You," Invited lecture at the Senior Housing Conference, sponsored by The Schmieding Center for Senior Education, Springdale, Ark., January 28, 2010.

Korydon Smith, "Your Retirement Home: Ten Most Overlooked Features," Invited lecture at Options in Senior Housing Conference, sponsored by The Schmieding Center for Senior Education, Bella Vista, Ark., May 20, 2009.

Korydon Smith, "Curiositas and Studiositas: Examining the Link Between Curiosity and Design Education," National Conference on the Beginning Design student, Charlotte, N.C., March 20, 2010.

Korydon Smith, "Architectural Theory in the Undergraduate Curriculum: A Pedagogical Alternative," National Conference of the Association of Collegiate Schools of Architecture, New Orleans, La., March 6, 2010.

CREATIVE WORK:

Korydon Smith, Design Consultant, Transitional Housing, United Cerebral Palsy, Jonesboro, Ark, dMX Architects. Design development and inclusive design consultation, 2007-2009.

HONORS OR AWARDS RECEIVED:

Outstanding Doctoral Student in Higher Education and Health Professions, University of Arkansas.

Laura Terry

INVITED LECTURES:

"Thoughts on the Organic," Arkansas School for Math, Science and the Arts, Hot Springs, AR, October 2009

CREATIVE WORK:

ONE PERSON EXHIBITS:

“Things are not perfect in the Garden,” Paintings and Drawings by Laura Terry, ddp gallery, Fayetteville, AR, October 2009.

GROUP EXHIBITIONS:

Faculty Exhibit, Sugar Gallery, Bentonville, AR, September 2009.

“4 x 4: Nature’s Art and Dance,” four painters and four choreographers. The Classical Ballet Academy, October 2 and 3, 2009, Bentonville, Ark.

“Project Feed Local,” 50 artists commissioned to create works on grocery bags for a fundraiser for the Ozark Food Bank, ddp gallery, November 2009.

“Fall Show,” curated exhibit of Arkansas artists, Sara Howell Gallery, Jonesboro, Ark., November 2009.

“Small Works 2009,” ddp gallery, December 2009.

JURIED EXHIBITIONS:

“Crafting Place,” Sugar Gallery, Bentonville, AR, Juror: Kenneth Trapp, former curator of the Renwick Collection of the Smithsonian, May 2010. “Small Works on Paper,” sponsored by the Arkansas Arts Council, Juror Suzanne Bloom, Professor of Art, University of Houston, September 2009.

COMMISSIONS:

Three paintings, 36” x 48” completed for the Alpha Delta Pi Sorority House, University of Arkansas, August 2009.

HONORS OR AWARDS RECEIVED:

Arts in Education Roster in the Multidisciplinary/Visual Arts/Design Arts category, Arkansas Arts Council, August 2009, <http://www.arkansasarts.org/programs/aie/default.aspx>.

Davide Vitali

INVITED LECTURES:

Yale University Rome Program, Rome Italy May 2010.

CREATIVE WORK:

Hotel de Petris-Rome. Under Construction 2009-2010.

Farmacia Iampiconi-Mentana-Design Commissioned-Mentana (Rome), Spring 2010.

Private House-Subiaco (Rome)-Design Commissioned, June 2010.

Fulbright College of Arts and Sciences

Anthropology

BOOKS:

Mainfort, Robert C. Jr. (with Kathleen Cande and Matthew Compton) 2010. *Archeological Investigations at Upper Nodena: 1973 Field Season*. Research Series 64, Arkansas Archeological Survey, Fayetteville.

Sullivan, Lynne P., and Robert C. **Mainfort, Jr.** (eds.) 2010. *Mississippian Mortuary Practices: Beyond Hierarchy and the Representationist Perspective*. University Press of Florida, Gainesville.

CHAPTERS:

D'Alisera, JoAnn. (2009) "Images of a Wounded Homeland: Sierra Leonean-American Children and the New Heart of Darkness," Nancy Foner, ed., Family Ties: Immigrant Families in America. New York: New York University Press, pp 114-34.

Kvamme, Kenneth L. Schill, S.R., D. Rundquist, A. Filippi, K. Kvamme, J. Cothren and J.A. Tullis (2009) "In situ Sensors and Field Methods." Manual of Remote Sensing: Earth Observing Platforms and Sensors, 3rd ed., 1(1), M.W. Jackson, ed., American Society of Photogrammetry and Remote Sensing, Silver Springs, MD, pp. 321-386.

Kvamme, Kenneth L. (2010) "GIS as Geophysical Data Processor: Learning from the Ground Up." Abstracts of the 38th Conference on Computer Applications and Quantitative Methods in Archaeology, Fco." Javier Melero, Pedro Cano, Jorge Revelles, eds., Computer Applications in Archaeology, pp. 157-160.

Mainfort, Robert C., Jr. (2010) with Lynne P. Sullivan. "Mortuary Practices and the Quest for Interpretation." Mississippian Mortuary Practices: Beyond Hierarchy and the Representationist Perspective, Lynne P. Sullivan and Robert C. Mainfort, Jr., eds., pp. 1-13. University Press of Florida, Gainesville.

Mainfort, Robert C., Jr. with Rita Fisher-Carroll (2010) "Temporal Changes in Mortuary Behavior: Evidence from Middle and Upper Nodena." Mississippian Mortuary Practices: Beyond Hierarchy and the Representationist Perspective, Lynne P. Sullivan and Robert C. Mainfort, Jr., eds., pp. 128-144. University Press of Florida, Gainesville.

Mainfort, Robert C., Jr. with Rita Fisher-Carroll (2010) "Pecan Point as the "Capital" of Pacaha: A Mortuary Perspective." Mississippian Mortuary Practices: Beyond Hierarchy and the Representationist Perspective, Lynne P. Sullivan and Robert C. Mainfort, Jr., eds., pp. 174-194. University Press of Florida, Gainesville.

Mainfort, Robert C., Jr. (2009) Foreword. In The Headpots of Northeast Arkansas and Southern Pemiscot County, Missouri, by James F. Cherry, pp. *x-xi*. University of Arkansas Press, Fayetteville.

Nolan, Justin M. (2009) Cognitive Ethnobotany. Chapter Three in UNESCO's Encyclopedia of Life Sciences, John Richard Stepp, ed.

Nolan, Justin M. with Nancy J. Turner (2009). Ethnobotany: The Study of People-Plant Relationships. In Ethnobiology: A Reader, E.N. Anderson, ed. New York: Wiley.

Rose, J.C. and Melissa Zabecki (2010) The Commoners of Tell el-Amarna. Salima Ikram and Aidan Dodson, eds. Beyond the Horizon: Studies in Egyptian Art, Archaeology and History in Honour of Barry J. Kemp. Cairo: Publications of the Supreme Council of Antiquities, pp. 408-422.

Swedenburg, Ted. (2010) "The 1936-39 Revolt." Encyclopedia of the Israeli-Palestinian Conflict, 3 vols. Michelle Rubenberg, ed. Lynne Reiner Publishers.

Swedenburg Ted. (2010) "Fun^Da^Mental's Jihad Rap," Being Young and Muslim: New Cultural Politics in the Global South and North, Asef Bayat and Linda Herrera, eds. Oxford University Press.

REFEREED ARTICLES:

Casana, Jesse. 2009 "The Breakfast Cereal Survey: Teaching Archaeology with Twelve Essential Vitamins and Minerals," *SAA Archaeological Record* 9 (4): 13-18.

Casana, Jesse and Jason T. Herrmann. 2010 "Settlement History and Urban Planning at Zincirli Höyük, Southern Turkey," *Journal of Mediterranean Archaeology* 23 (1).

Casana, Jesse, Hussein Qandil and Jason T. Herrmann. 2009. "Settlement History in the Eastern Rub al-Khali: Preliminary Report of the Dubai Desert Survey (2006-2007)," *Arabian Archaeology and Epigraphy* 20: 30-45.

D'Alisera, JoAnn. 2010 "Public Spaces/Muslim Places: Locating Sierra Leonean Muslim Identity in Washington, D.C." *African Diaspora* 3(1).

Erickson, Kirstin. 2009 "Lonely Ranchers, Solitary Students and Angry Governors: Personal Vulnerability and Community Conflict in Yaqui Emotion Talk." *Western Folklore* 68(1): 27-48.

Bhatt, R.C., **Kenneth L. Kvamme** Vinod Nautiyal, K.P. Nautiyal, Sanjeev Juyal, Sudhir Chandra Nautiyal. 2009. "Archaeological and Geophysical Investigations of High Mountain Cave Burials in Uttarakhand Himalaya, India," *Studies in South Asian Art and Archaeology* 30:1-16.

Krueger, K.L; **Ungar, P.S.** 2009. "Incisor Microwear Textures of Five Bioarcheological Groups. *International Journal of Osteoarheology*. DOI: 10.1002/oa.1093.

Limp, W. 2010 "Towards a Strategy for Evaluating Heritage Visualizations." B. Frischer, ed. *Proceedings, Making History Interactive, 37th Annual Conference on Computer Applications and Analytical Methods in Archaeology*.

[http://www.caa2009.org/articles/Limp_Contribution233_c%20\(1\).pdf](http://www.caa2009.org/articles/Limp_Contribution233_c%20(1).pdf)

Simon, K. A. Payne, K. Cole, S. Smallwood, C. Goodmaster, **F. Limp** and J. Cothren 2010. "Close-Range 3D Laser Scanning and Virtual Museums: Beyond Wonder Chambers and Cabinets of Curiosity?" B. Frischer. ed., *Proceedings, Making History Interactive, 37th Annual Conference on Computer Applications and Analytical Methods in Archaeology*.

[http://www.caa2009.org/articles/Simon_Contribution368_a\(1\).pdf](http://www.caa2009.org/articles/Simon_Contribution368_a(1).pdf)

Smallwood, S., A. Payne, K. Simon, C. Goodmaster, **W. Limp** and J. Cothren. 2010 "Lighting Systems in Three Dimensional Non-Contact Digitizing: A View from the Virtual Hampson Museum Project." B. Frischer, ed. *Proceedings, Making History Interactive, 37th Annual Conference on Computer Applications and Analytical Methods in Archaeology*.

[http://www.caa2009.org/articles/Smallwood_Contribution292_c%20\(1\).pdf](http://www.caa2009.org/articles/Smallwood_Contribution292_c%20(1).pdf)

Vranich, A. J. Cothren and **W Limp**. 2010 "Recreating Cuzco in Three Dimensions." Melero, F., P. Cano and J. Tevelles, eds. *Fusion of Cultures: 38th Annual Conference on Computer Applications and Analytical Methods in Archaeology: Abstracts*. p. 659. Granada, Spain.

Payne, A, **F. Limp** and J. Cothren. 2010 "The Evolution of Point Cloud Processing Software and its Affect in Culture Heritage Applications." F. Melero, F., P. Cano and J. Tevelles, eds. *Fusion of Cultures: 38th Annual Conference on Computer Applications and Analytical Methods in Archaeology: Abstracts*. p. 653. Granada, Spain.

Limp, W., A. Payne, S. Winters, A. Barnes and J. Cothren. 2010 "Approaching 3D Digital Heritage Data from a Multi-technology," Lifecycle Perspective. Melero, F., P. Cano and J. Tevelles, eds. *Fusion of Cultures: 38th Annual Conference on Computer Applications and Analytical Methods in Archaeology: Abstracts*. pp. 519-522. Granada, Spain.

Miller, E. R., Benefit, B.R., McCrossin, M.L., Leakey, M.G., Simons, E.L., **Plavcan, J.M.**, and El-Barkooky, A.N. 2009 "Systematic Revision and Adaptive Diversity of the Victoriapithecidae." 57: 195-211.

Plavcan, J. Michael, Ward, Carol V. and Paulus, Faydre L. 2009 "Canine Tooth Crown Size in Early Australopithecus." *Journal of Human Evolution*. 57: 2-10.

Rose, J.C. and R.D. Roblee. 2009 "Origins of Dental Crowding and Malocclusions: An Anthropological Perspective." *Compendium of Continuing Education in Dentistry*. 30 (5):292-300.

LoPinto, A. and **J. C. Rose**. 2010 “Did Akhenaten Bite Off More than He Could Chew? Dental Analysis of the Commoners’ Cemetery of Ancient Akhenaten.” (Poster). American Association of Physical Anthropologists, Albuquerque, NM. April 14 - 17.

Abstract: *American Journal of Physical Anthropology* Supplement 50:157.

Krueger, K.L. and **Ungar, P.S.** 2009 “Incisor Microwear Textures of Five Bioarcheological Groups.” *American Journal of Physical Anthropology*. Supplement #48.

Scott, R.S.; Teaford, M.F.; **Ungar, P.S.** 2009 Dietary Diversity and Dental Microwear Variability in *Theropithecus gelada* and *Papio cynocephalus*. *American Journal of Physical Anthropology*. Supplement #48.

Scott, J.S.; Godfrey, L.R.; Jungers, W.L.; Scott, R.S.; Simons, E.L.; Teaford, M.F.; **Ungar, P.S.**; Walker, A. 2009 Dental Microwear Texture Analysis of Megaladapids and Archaeolemurids”. *Journal of Human Evolution* 56:405-416.

Swedenburg, Ted. “Fun^Da^Mental Islamophobic Fears: Britain's 'Suicide Bomb Rappers',” *Vis-a-Vis: Explorations in Anthropology*, 9(1)
(vav.library.utoronto.ca/index.php/vav/article/view/525 _)

Nakatsukasa, M.; Ikarashi, T.; Shimizu, D.; Teaford, M.F.; **Ungar, P.S.**; Kunitatsu, Y. 2009 “Adaptations of *Microcolobus* Discovered from Nakali, Kenya.” *American Journal of Physical Anthropology*, Supplement #48.

Merceron, G.M.; Scott, J.S.; Scott, R.D.; Geraads, D.; Spassov, N.; **Ungar, P.S.** 2009 “Folivory or Fruit/seed Predation for *Mesopithecus*, An Earliest Colobine from the Late Miocene of Eurasia?” *Journal of Human Evolution*, doi:10.1016/j.jhevol.2009.06.009.

Ungar, P.S. 2009 “Tooth Form and Function: Insights into Adaptation through the Analysis of Dental Microwear.” *Interdisciplinary Dental Morphology*. Koppe, T., Meyer, G. and Alt, K.W., Eds. Springer-Verlag, Berlin, pp. 38-43.

Ungar, P.S.; Scott, R.S. 2009 “Dental Evidence for Diets of Early *Homo*” *The First Humans: Origins of the Genus Homo*. Grine, F.E.; Leakey, R.E. and Fleagle, J.G., eds. Springer-Verlag, New York, pp. 121-134.

Schubert, B.W.; **Ungar, P.S.**; DeSantis, L.R.G. 2010 “Carnassial Microwear and Dietary Behaviour in Large Carnivorans.” *Journal of Zoology*, 280:257-263.

Grine, F.E.; **Ungar, P.S.**; Teaford, M.F. 2010 “How Tooth Wear Informs the Paleoecology of Extinct hominins. *American Journal of Physical Anthropology*, Supplement #50.

Klukkert, Z.; **Ungar, P.S.**; Teaford, M.F. 2010 “Dental Topographic Analysis of Chimpanzees.” *American Journal of Physical Anthropology*. Supplement #50.

Krueger, K.L.; **Ungar**, P.S.; Frayer, D.W. 2010 “Teeth as Tools? Anterior Dental Microwear Textures of the Krapina Neandertals.” *American Journal of Physical Anthropology*. Supplement #50.

Scott, J.R.; **Ungar**, P.S.; Grine, F.E.; Teaford, M.F. 2010 “Premolar Microwear Texture Analysis of *Australopithecus africanus*.” *American Journal of Physical Anthropology*,. Supplement #50.

Teaford, M.F.; Ungar, **P.S.**; Ross, C.F.; Vinyard, C.J. 2010 “The Dental Microwear of Hard-object Feeding in Laboratory Primates.” *American Journal of Physical Anthropology*. Supplement #50,

Ungar, P.S.; Krueger, K.L.; Blumenshine, R.J.; Scott, R.S.; Njau, J.K. 2010 “Dental Microwear Texture Analysis of Newly Discovered hominins from Olduvai Gorge.” *American Journal of Physical Anthropology*, Supplement #50..

NON-REFEREED ARTICLES AND REPORTS:

Brubaker, Robert P. 2009 “Regional Perspectives on Megalithic Landscapes: Investigating the Socio-political Dimensions of Late Prehistoric Sites in Central Karnataka and west Andhra Pradesh, India.” *Antiquity* (Online Project Gallery).
<http://www.antiquity.ac.uk/ProjGall/brubaker/index.html>.

Dornemann, Rudolph and **Jesse Casana**. 2009 “The 2005 Season of Excavations at Tell Qarqur,” *Studia Orintica* 1: 101-121.

Dornemann, Rudolph and **Jesse Casana**. 2009 “The 2007 Season of Excavations at Tell Qarqur,” *Studia Orintica* 1: 122-141.

Dornemann, Rudolph; **Jesse Casana** and Lee Maxwell. 2009 “The 2008 Season of Excavations at Tell Qarqur,” *Studia Orintica* 1: 142-152.

Kay, Marvin 2010. Review of *Ozarks Chipped-stone Resources: A Guide to the Identification, Distribution, and Prehistoric Use of Cherts and Other Siliceous Raw Materials* by Jack Ray. *Plains Antropologist* 55 (213):87-88.

Kvamme, K.L. 2009. Review of *Satellite Remote Sensing for Archaeology*, by Sarah H. Parcak, Rutledge, London, *Archaeological Prospection* 17:286

Nolan, J.M., Schneider, M.J., Cain, S., Cain, R, Veteto, J, and Reynolds, J.M. 2009 “Patterns, Programs and Persistence: Cherokee Language Revitalization Efforts in the Cherokee Nation Jurisdictional District.” *Community Education Assessment Reports and Monographs* #19(5). Cherokee Nation Education Corporation Department of Education.

Rose, Jerome C. 2009 D.J .Ortner and B. Frohlich, “The Early Bronze Age I Tombs and Burials Bâb edh-Dhrâ^c, Jordan.” *Paleopathology Newsletter* 148:33-34.

Swedenburg, Ted. 2009 “Rethinking Middle East Tourism.” Review of Waleed Hazbun, *Beaches, Ruins, Resorts: The Politics of Tourism in the Arab World*, and Rebecca Stein, *Itineraries in Conflict: Israelis, Palestinians, and the Political Lives of Tourism*. H-Levant, H-Net Reviews, November. <http://www.hnet.org/reviews/showrev.php?id=25852>

Swedenburg, Ted. 2009 “Colonial Sympathies.” Review of Barbara Board, *Reporting from Palestine 1943-1944*. *Journal of Palestine Studies*, Spring 38(3):260-261.

Ungar, P.S. 2009 Dental Evidence for Early hominin Diets. *Society for Archeological Sciences Bulletin* 32 (2):15-18.

INVITED LECTURES:

Brubaker, Robert P. “Archaeological Research at the Medieval South Indian Capital of Vijayanagara,” Ko-Ko-Ci Chapter of the Arkansas Archaeological Society, Feb. 2009.

Brubaker, Robert P. “City of Victory: Investigating Processes of Urban Development at the Early South Indian Imperial Capital of Vijayanagara,” colloquium, Department of Anthropology, University of Arkansas, Oct. 2008.

Casana, Jesse. “Tell-Based Settlement Systems of the Northern Levant” *International Conference on Archaeology of the Ancient Near East*. London, England, April 2010

Casana, Jesse. “Archaeology and the Ancient World,” Joukowsky Institute of Brown University, Providence, RI, Dec. 2009.

Casana, Jesse. “CORONA Archaeological Atlas of the Middle East” *American Schools of Oriental Research Annual Meeting* New Orleans, Nov. 2009.

Casana, Jesse. “Deconstructing the Tell: Settlement Systems of the Northern Fertile Crescent” Invited lecture, Joukowsky Institute of Archaeology, Brown University (Nov. 2009).

Copeland, Nicholas. Discussant for panel: “*The Anthropology of Disaster Capitalism*” American Anthropological Association. Philadelphia, PA, Nov. 2009.

Copeland, Nicholas. “*Capacidad: una norma nueva y sus desafios*” Presentation. VIII Congreso de Estudios Mayas. Guatemala City, Guatemala, 2009

D’Alisera, JoAnn. Keynote speaker, “Embodying Ambiguous Modernities: Islam, Piety, and the Making of Muslim Selves in the Sierra Leonean Diaspora,” Institute of Social Sciences, University of Lisbon, Topic: Migrations, Traditions, and Modernity, Oct. 26-27, 2009.

Erickson, Kirstin C. “Envisioning La Frontera: Art, Immigration and Culture on the U.S. – Mexico Border.” UAF, Hispanic Heritage Month feature speaker. (Wrote and presented this paper for the UA One Book / One Community and Hispanic Heritage Month joint project at University of Arkansas), Oct. 2009.

Kay, Marvin. Arkansas Archeological Society chapter meeting at Winthrop Rockefeller Institute, Petit Jean, AR, Dec.10, 2009.

Kay, Marvin. “Breckenridge Shelter, Arkansas.” Symposium in Honor of Don G. Wyckoff, Plains Conference, Norman, OK, Oct. 2009.

Kay, Marvin. “Kimmswick Clovis-Mastodon Discovery.” Symposium on New Perspectives on Kimmswick, Modoc, and the Pleistocene-Holocene Transition. Society for American Archaeology, St. Louis, MO, April 2010.

Kay, Marvin. Ecology Workshop Group, Hobbs State Park, AR, Feb. 2010.

Kay, Marvin. “The East Europe Neolithic.” Missouri Archaeological Society, Joplin, MO, March 2010.

Kvamme, Kenneth L. “Anthropological and Archaeological Insights from Geophysical Evidence: Two Decades of Hunting,” American Physical Society symposium at Ithaca College, NY, Nov. 2009.

Kvamme, Kenneth L. “Modeling With GIS at Scales Large and Small: Examples from American Archaeology and Geophysics,” *Modeling History, People and Ideas: Geospatial Modeling in the Arts, Humanities and Social Sciences*, Center for Research in the Arts, Social Sciences and Humanities (CRASSH), Cambridge University, Dec.2009.

Kvamme, Kenneth L. “GIS and Geophysics: Merging Two Technologies in Archaeology,” School of Geography, University of Southampton, United Kingdom, Dec.2009.

Kvamme, Kenneth L. “GIS, Remote Sensing, and Archaeology,” Department of Archaeology and Social Anthropology, University of Tromsø, Norway, April 2010.

Kvamme, Kenneth L. “GIS as Geophysical Data Processor: Learning from the Ground Up,” Computer Applications and Quantitative Methods Conference (CAA), Granada, Spain, April, 2010.

Kvamme, Kenneth L. “GIS, Remote Sensing, and Digital Archaeology,” Institute of Archaeology, University College London, April 2010.

Kvamme, Kenneth L. “GIS Approaches for Integrating and Modeling Archaeological, Geophysical and Remotely Sensed Data,” Römisch-Germanische Kommission des Deutschen Archäologischen Instituts, Frankfurt, Germany, March 2010.

Kvamme, Kenneth L. “Getting at Space: GIS Approaches for the Analysis, Modeling and Management of Archaeological and Geophysical Data,” Institute of Archaeology, Oxford University, Oxford, England, March 2010.

Kvamme, Kenneth L. “Archaeological Insights Gained through GIS and Geophysics in North American,” Department of Archaeology, Queen’s University Belfast, Northern Ireland, March 2010.

Kvamme, Kenneth L. “Anthropological and Practical Insights gained through GIS and Geophysics in North American Archaeology,” McDonald Institute for Archaeology, Cambridge University, Cambridge, England, Jan. 2010.

Kvamme, Kenneth L. “Anthropological and Archaeological Insights from Geophysics in the western United States,” Department of Archaeology, University of Bradford, Bradford, England, Jan. 2010.

Kvamme, Kenneth L. “GIS and Geophysics: Merging Two Technologies in Archaeology,” Department of Geography, Southampton University, Southampton, England, Dec. 2009.

Kvamme, Kenneth L. “Modeling with GIS at Scales Large and Small: Examples from American Archaeology and Geophysics,” Mapping People and Ideas: Geospatial Modeling in the Arts, Humanities and Social Sciences, Center for Research in Arts, Social Sciences and Humanities (CRASSH), Cambridge University, Dec. 2009.

Kvamme, Kenneth L. “Geophysical Contributions to the Understanding of Northern Great Plains Archaeology, USA,” Conference of the International Society for Archaeological Prospection (ISAP), Paris, Sept. 2009.

Kvamme, Kenneth L. “Anthropological and Archaeological Insights from Geophysical Evidence: Two Decades of Hunting,” New York State Section of the American Physical Society, Ithaca College, Ithaca, NY, Nov. 2009.

Kvamme, Kenneth L. “GIS Technology, Its Capabilities, and What It Can Do for You,” Thesis Group, Wolfson College, Cambridge University Cambridge, England, Feb. 2010.

Kvamme, Kenneth L. “Modeling with GIS at Scales Large and Small: Examples from American Archaeology and Geophysics,” Mapping People and Ideas: Geospatial Modeling in the Arts, Humanities and Social Sciences, Center for Research in Arts, Social Sciences and Humanities (CRASSH), Cambridge University, Dec. 2009.

Limp, W. (four lectures) “Seeing into the Past: New Approaches to Recording and Visualizing the World’s Heritage,” Northwest University, Xi’an China; University of Beijing; Chinese Academy of Social Sciences (Beijing); Shandong Province Heritage Agency (QFu), Mar. 8-12. 2010.

Limp, W and J. Cothren. "Seeing into the Past: New Technologies for Measuring and Visualizing World Heritage. Archaeology Lecture Series. Instituto Nacional de Cultura. Cuzco, Peru, 2009.

Case, T and **F. Limp**. "3D Geospatial: Project Implementation Methods and Best Practices." Full-day URISA Sponsored Workshop. URISA Annual Meetings Anaheim CA, September 2009.

Vranich, A. J. Cothren and **W Limp**. "Recreating Cuzco in Three Dimensions. Fusion of Cultures." 38th Annual Conference on Computer Applications and Analytical Methods in Archaeology. Granada Spain, April 9, 2010.

Payne, A, **F. Limp** and J. Cothren. "The Evolution of Point Cloud Processing Software and its Effect in Culture Heritage Applications. Fusion of Cultures," 38th Annual Conference on Computer Applications and Analytical Methods in Archaeology. Granada Spain, April 8, 2010.

Limp, W., A. Payne, S. Winters, A. Barnes and J. Cothren. "Approaching 3D Digital Heritage Data from a Multi-technology, Lifecycle Perspective. Fusion of Cultures," 38th Annual Conference on Computer Applications and Analytical Methods in Archaeology. Granada Spain, April 9, 2010.

Nolan, Justin. "Medical Ethnobotany in the Ozark-Ouachita Highlands". Keynote speaker, Annual Scholars Symposium, Westminster College, Fulton, MO, April 2010.

Nolan, Justin M., Cassandra L. Quave, and Kelly Bannister. "Developing a Code of Ethics for the Society of Ethnobiology." 33rd Annual Conference for the Society of Ethnobiology, University of Victoria, B.C., May 2010.

Nolan, Justin M. "Strategies for Studies in Natural Resource Procurement: Lessons from the US Heartland." Department of Interdisciplinary Ecology, University of Florida, Gainesville, Dec. 2009.

Nolan, Justin M. "Field Methods for Beginning Ethnobotanists." Invited lecture, for Dr. Mike Amspoker, Department of Biology, Westminster College, Fulton, MO, April 2010.

Nolan, Justin M. "Methods and Training in Applied Ethnoecology." Presenter for the NSF-Sponsored Methods Training Workshop (with John Richard Stepp). American Anthropological Association, Philadelphia, Dec. 2009.

Nolan, Justin M. "Ethnobotany and Community Education in Native North America." Ozark Folk Studies Symposium, West Plains, MO. Sept. 2009.

Plavcan, J. Michael . Invited participant in the "Sterkfontein Postcranial Workshop" in Johannesburg and Pretoria South Africa, January, 2010.

Plavcan, J. Michael. “Sexual Dimorphism and Aggression in Primates: Just Where do Humans Fit In?” Tanner Conference on Human Aggression, University of Utah, 2009.

Rose, Jerome C. and Zabecki, M. Epidemic Disease at Amarna, 18th Dynasty Egypt. Paleopathology Association, Albuquerque, NM, April 2010.

Rose, Jerome. C. University of Arkansas at Little Rock - Department of Sociology, Anthropology and Gerontology. “Churches and the Transition from Christianity to Islam,” class presentation and “Bad Times at Amarna,” Public presentation, 2009.

Sabo, George, III., Jerry E. Hilliard, and Leslie C. Walker “Petroglyphs of the Eastern Ozark Escarpment in Arkansas,” 66th Annual Southeastern Archaeological Conference, Mobile, AL Nov. 2009.

Swedenburg, Ted. “Can Palestinian Pop Culture Do Anything for Palestine?” At “Guests of BJ: A Conference in Honor of Elizabeth Warnock Fernea,” Center for Middle Eastern Studies, University of Texas-Austin, Oct. 16, 2009.

Swedenburg, Ted. “Keffiyeh: From Resistance Symbol to Retail Item?” Invited lecture. The Palestine Center, Washington D.C., April 8, 2010.

Swedenburg, Ted. "Youth and Popular Music in the Arab World." Eastern Michigan University. Sponsored by the Division of Academic Affairs, the College of Arts and Sciences and seven academic departments, March 2010.

Ungar, P.S. “Dental Evidence for the Diets of Early Human Ancestors and Related Fossil Species from Africa.” Oklahoma State University College of Health Sciences Medical Lecture Series, Tulsa, OK, 2009.

Ungar, P.S. “Dental Microwear and the Interpretation of Craniodental Adaptation of *Paranthropus boisei*.” Invited discussant at the 8th Human Evolution Series Workshop of the Turkana Basin Institute, Turkwel Research Station, West Turkana, Kenya.

Ungar, P.S. “Dental Evidence for the Diets of Early Human Ancestors and Related Fossil Species from Africa. Northeastern State University Science and Technology Seminar Series, Tahlequah, OK, 2009.

Ungar, P.S. “Texture Analysis of Molar Microwear and Diet. Royal Society Scientific Discussion Meeting *The First 4 Million Years of Human Evolution*, London, UK, 2009.

Ungar, P.S. Discussant and workshop delegate, *Evolution and Diseases of Civilization at the World Health Summit*, Berlin, Germany, 2009.

Ungar, P.S. and Sponheimer, M. "Paleontological Evidence for the Evolution of Human Diet." Seminar in Honor of Darwin's 200th Anniversary: The Evolution of Human Diet. American Association for the Advancement of Science, Chicago, IL, 2009.

Belmaker, M.; **Ungar, P.S.** "Micromammal Microwear Texture Analysis: Preliminary Results and Applications for Paleocological Study." Paleoanthropology Society, St. Louis, MO, 2010.

Ungar, P.S. "Dental Evidence for the Diets of Early Human Ancestors and Related Fossil Species from Africa." Northeastern Ohio University College of Medicine invited seminar series, Rootstown, OH, 2010.

Ungar, P.S. "Dental Evidence for Diets of Early hominins." Seminar series for the Bernard Price Institute and Institute of Human Evolution, University of the Witwatersrand, Johannesburg, South Africa, 2010.

Ungar, P.S. "Diet and Human Evolution in South Africa." Invited talk at the Mae Jamison Mae Jamison U.S. Science Reading Room of the Embassy of the United States, Pretoria, South Africa, 2010

OTHER LECTURES, PAPERS AND ORAL PRESENTATIONS:

Erickson, Kirstin C. "Tiny Crosses in the Desert: Religious Encounter, Conversion Narratives and Yaqui Symbolic Mediation." Rocky Mountain Council for Latin American Studies Conference, Boulder CO, April 9, 2010.

Kay, Marvin. Short article on Romanian travels, *Arkansas Archeological Society Newsletter*, 2009.

Kvamme, Kenneth L. "Within-site 'Predictive Modeling' of the Subsurface: Two GIS Approaches," Poster at First Landscape Archaeology Conference (LAC2010), Amsterdam, Netherlands, Jan. 2010.

Lohse, E.S., P. Santarone, D. Sammons, G. Thackray, **K. Kvamme**, C. Moser "The Buried Beach Site: A 13,000 year old Windust Phase Site in South-central Idaho," Northwest Anthropological Conference, Ellensburg, WA. Mar., 2010.

Wiewel, A.S., D.P. McKinnon, **Kenneth L. Kvamme** "Geophysical Investigations and Topographic Mapping at Huff Village (32MO11), North Dakota," Plains Anthropological Conference, Oklahoma City, Oct. 2009.

McKinnon, D.P., A.S. Wiewel, **Kenneth L. Kvamme** "Topographic Mapping and Magnetic Gradiometry Surveys at the Lynch Knife River Flint Quarry (32DU526), North Dakota," Plains Anthropological Conference, Oklahoma City, Oct. 2009.

Payne, A., S. Winters and **F. Limp**. "The Virtual Hampson Museum: Complete 3D artifacts Available for Free download and Viewing." Arkansas GIS Users Forum Annual Meetings Eureka Springs AR, Oct. 29, 2009.

Nolan, Justin M. "Ethnopharmacology in the Ozarks: Where Medical Folklore and Scientific Inquiry Collide." UA Sigma Xi Presentation, April 2010.

Nolan, Justin M. "Using Ethnobotanical Methods in the Field." UA Biology Club Annual Symposium, April 2010.

Rose, Jerry. "Amarna Excavations and Bioarchaeology" – UA classes in Art History and Egyptology.

Sabo, George, III. "A Comparison of Braden and Craig Style Birdman Motifs from the Spiro Ceremonial Center" (refereed). 75th Annual Meeting of the Society for American Archaeology, St. Louis, MO., April 2010.

Schneider, M.J., Gates, C.L. and Nolan, J.M. "Creativity and Survival in Eureka Springs: An Ethnographic Assessment of the Health Beliefs and Lifestyles of Ozark Alternative Healers," Southern Anthropological Society, Feb.2010.

Swedenburg, Ted. "The Global Kaffiyya Craze." Conference on How East Meets West Today: Economies and Cultures of the Middle East in a Global Era. UCLA Center for Near Eastern Studies, Feb. 1, 2010.

Swedenburg, Ted. "Can Palestinian Pop Culture Do Anything for Palestinian Human Rights?" Paper presented at the Presidential Session, "The Crisis in Gaza: Challenges and Lessons for Anthropology and Human Rights," cosponsored by the committee for Human Rights and the Middle East Section. American Anthropological Association, Philadelphia, Dec. 4, 2009.

Swedenburg, Ted. "Kufiyaspottings: Solidarity, Commerce, Banalization." Paper presented at the session, "America's Middle East: Cultural Enunciations," American Studies Association Annual Meeting, Washington, D.C., Nov. 6, 2009.

Weeks, Rex. "Antiquity of the Midewiwin: Early Documents, Origin Stories, Archeological Remains, and Rock Paintings." 75th Society for American Archaeology, St. Louis, MO, April 15, 2010.

Weeks, Rex. "Midewiwin Antiquity." Anthropology Colloquium, Sept. 2009

Weeks, Rex. "State-Recognized Tribes in the United States." Guest Speaker for ANTH 3903 Contemporary Indian Issues. April 22, 2010.

OTHER CREATIVE ACTIVITY:

Casana, Jesse. Session Organizer, “Settlement and Society in the Ancient Near East” *American Schools of Oriental Research Annual Meeting* (2008-2011).

Erickson, Kirstin American Folklore Society Annual Meeting. Attended this conference for professional development and to broaden my research approach. Boise, ID, Oct. 2009.

Erickson, Kirstin *Yaqui Homeland and Homeplace: The Everyday Production of Ethnic Identity* (University of Arizona Press) was published in Fall 2008. In 2009 it was well reviewed in numerous venues and journals including: Human Ecology, Folklore, CABI, and Choice.

Erickson, Kirstin. Co-coordinator, 16th Annual UAF Native American Symposium.

Kay, Marvin. Interviewed for article published by *Mammoth Trumpet*, Dec. 2009.

Kvamme, Kenneth. Consultant, preparation of GIS database for the Beacon Island Project, An Agate Basin Complex Site in North Dakota, for Paleo-Cultural Research Group, Arvada, CO Summer 2009.

Kvamme, Kenneth. *Instructor*, “Current Archaeological Prospection Advances for Non-destructive Investigations in the 21st Century.” Sponsored and organized by the U.S. National Park Service, Knife River Indian Villages National Monument, ND, May 2010.

Kvamme, Kenneth. Featured in article “Extremely Remote Sensing,” by Julian Smith, in *American Archaeology* 14(1), Spring 2010.

Nolan, Justin M. Selected at co-instructor by the National Science Foundation for the 2010 SCRM (Short Course in Research Methods) for Field Methods in Ethnoecology, Duke University Marine Laboratory, Beaufort, NC, with John Richard Stepp, University of Florida, July 2010.

Plavcan, J. Michael. Interviewed and quoted in *Scientific American* and *Discovery Science* magazines concerning the publication of *Ardipithecus ramidus*, Fall 2009.

Plavcan, J. Michael. Participated in a memorial symposium for Elizabeth Harmon, American Association of Physical Anthropologists, April 2010.

Sabo, George, III. Cultural Heritage and Modern Identity Formation in the Caddo Indian Nation: Ongoing study of the relationship between heritage preservation activities and modern American Indian identity construction, in cooperation with the Caddo Indian Nation of OK.

Sabo, George, III. “Pre-Columbian Art and Artistic Vision in the Central Arkansas Valley.” Native American Art Studies Association 16th Biennial Conference, Norman, OK, Oct. 2009.

Sabo, George, III. Rock Art in Arkansas website
[<http://arkarcheology.uark.edu/rockart/index.html>]

Sabo, George, III. Indians of Arkansas website
[<http://arkarcheology.uark.edu/indiansofarkansas/index.html>]

Sabo, George, III. American Indian Art, Ritual, and Social Interaction in the Central Arkansas River Valley website <http://arkarcheology.uark.edu/arkansasriver/index.html>

Sabo, George, III. Presented a teacher in-service training workshop on Indians of Arkansas to 90 Western Arkansas school district teachers at the University of Arkansas-Fort Smith, 2009.

Swedenburg, Ted. *Palestine, Israel, and the Politics of Popular Culture*, (ed. with Rebecca Stein), Duke University Press, 2005, reached sufficient sales to be reprinted by the press in Fall 2009.

Swedenburg, Ted. Continues to serve as a deejay for a weekly world music radio show, "Interzone Radio," on KXUA-FM, UA student radio.

Swedenburg, Ted. Continues to blog (Hawblawg) on Middle East and cultural affairs:
swedenburg.blogspot.com

Ungar, Peter. Worked with exhibit personnel at the U.S. National Museum of Natural History in Washington D.C. in 2009. The exhibit will become part of a new permanent exhibit on human evolution at the Smithsonian Institution in 2010. The University of Arkansas will be recognized with a plaque in the exhibit as a "partner institution."

Ungar, Peter. Presentation at Ramay Junior High on Human Evolution.

Ungar, Peter. Television Appearance. Horizons Series. BBC Television, 2010.

ART

REFEREED ARTICLES/PAPERS:

Jacobs, Lynn F. "Rubens and the Northern Past: The Michielsen Triptych and the Thresholds of Modernity," *The Art Bulletin* XCI (2009): 302-324.

UNREFEREED PUBLICATIONS AND PROCEEDINGS:

Jacobs, Lynn F., weekly blog entries co-authored at www.usnews.com/professorsguide

Jacobs, Lynn F., Review of Brigitte D'Hainaut-Zveny, *Les retables d'autel gothiques sculptés dans les anciens Pays-Bas: Raisons, formes et usages*; Jean Magnin and Daniel Meyer, *Le retable de Philippe de Gueldre: Le salut à Marie, Église Saint-Laurent de Pont-à-Mousson*; and Jan Friedrich Richter, *Claus Berg: Retabelproduktion des Spätmittelalters im Ostseeraum*, *Historians of Netherlandish Art Newsletter and Review of Books* 26 (2009): 27-29

La Porte, Angela, "Committee on lifelong learning," in *NAEA News* 51 (2): 14.

La Porte, Angela and Lawton, Pamela (eds.), *Conference Proceedings*, University of Arkansas, 2009.

La Porte, Angela, Callison, L., and Walters, J. "The Study of a Community Art Class for Adults and Older Adults," pp. 17-20 in *Conference Proceedings*, A. La Porte and P. Lawton (editors), University of Arkansas, 2009.

INVITED LECTURES:

Hulen, Jeannie. "Made in Taiwan," public lecture at the Graduate Institute of Applied Arts, Tainan National University of the Arts, Tainan, 2009

Nelson, Marilyn. "Obscure Order.dot.dot.dot," presented at the 2009 SECAC (Southeastern College Art Conference)

Springer, Bethany. Visiting artist lecture, at Norman Eppink Gallery, Emporia State University

OTHER LECTURES, PAPERS, AND ORAL PRESENTATIONS:

La Porte, Angela, and Speirs, R. And McComb, C., "In Response to Healing: A gallery exhibit and workshop," National Art Education Association Conference, 2009.

La Porte, Angela, *Fundred in Arkansas*, presented at the Arkansas Art Educators Association Conference, Little Rock, 2009.

La Porte, Angela, *Meaningful Objects of Ritual*, presented at the National Art Education Association Conference, Baltimore, 2010

La Porte, Angela, and Chin, M. "Fundred: Invested in the solution – A conversation on collaborative art for social and environmental justice, presented at the National Art Education Association Conference, Baltimore, 2010

Peven, Michael. "Artists' Books," South Central Society for Photographic Education, Thibodaux, LA

CREATIVE ENDEAVORS:

Golden, Jackie, “*sUgAR Exhibition*”, group exhibition, Bentonville, AR.

Golden, Jackie, “*National Small Works Exhibition*”, SUNY campus Cobleskill, NY, 6/5 – 7/24.

Hapgood, Thomas, Participation as designer and animator in *The Buffalo Flows* documentary, launching Web site and Facebook page

Hapgood, Thomas, Launched Web presence for Clevertex, Liquid Dispatch, Graysland Acres and other companies

Hulen, Jeannie, “*Jingdezhen Contemporary International Ceramics Exhibition*”, Jingdezhen Ceramic Museum, The China Jingdezhen International Ceramic Fair in Jingdezhen, China, 2009.

Hulen, Jeannie, “*Margins: A Nontraditional Approach to Clay*”, Ice House Gallery during (NCECA) National Council on Education for the Ceramic Arts, Phoenix, Arizona, 2009.

Hulen, Jeannie, “*Regional Sculpture Invitational*”, Fayetteville Underground, Fayetteville, AR, 2009.

Hulen, Jeannie, “*Shine a Light on Literacy*”, Arkansas Governor’s Mansion, Little Rock, AR.

Hulen, Jeannie, “*Made in Taiwan*”, solo exhibition, Tainan National University of The Arts, Tainan, Taiwan, 2009.

Hulen, Jeannie, “*Made in the USA*”, solo exhibition, Art Center of the Ozarks, Springdale, AR, 2010.

Hulen, Jeannie, “*Made in Taiwan*”, solo exhibition, Taipei, Taiwan, 2010.

La Porte, Angela, “*Fundreds in Arkansas*,” sUgAR Gallery Faculty exhibit, 2009

Musnug, Kristin, “*Faculty Exhibition*”, sUgAR Gallery, Faculty Show

Musnug, Kristin, “*Project feed local*,” ddp Gallery, Fayetteville

“*MINT*”, group exhibition at University of Central Missouri, Warrensburg, MO, 3/11 – 4/10/10.

Musnug, Kristin, “*Unnatural Histories*,” solo exhibition, University of Arkansas Fine Arts Gallery, 2010

Nelson, Marilyn, “*Bradley International Print and Drawing Exhibition*”, International Juried, group at Contemporary Art Center, Peoria, IL, 3/6 – 4/17/09.

Nelson, Marilyn, “*The Odysseus Project*” National Juried, Art at Farnsworth Street, Boston, MA, 6/12 - 7/25/09.

Nelson, Marilyn, “*UA Faculty Exhibition*”, Regional, group at sUgAR Gallery, Bentonville, AR, Sept.-Oct. 2009.

Newman, John, Mural for the Kansas City Kansas Community College, 7 x 39 feet, unveiled 2009

Peven, Michael, “*Hidden Between Covers*”, The Art Gallery, Collin College, Plano, TX.

Peven, Michael, “*Crosswinds*”, Ameen Art Gallery, Nicholls State University, Thibodaux, LA.

Peven, Michael, “*From the Earth to the Moon*,” solo exhibit, Fine Arts Center Gallery, U of A, 2009

Peven, Michael, “*Art of the Book*,” Four Square Gallery, Fayetteville

Peven, Michael, “*Artists Books Cornucopia*,” abecedarian gallery, Denver, CO, 2010

Springer, Bethany, “*Showcase Showdown*”, Norman R. Eppink Gallery, Emporia State University, Emporia, KS, 8/20-10/30/09.

Springer, Bethany, “*Fugitive Video Project 2009*”, Fugitive Projects, Nashville, TN, 2009-10.

Springer, Bethany, “*Small Multitudes*”, University of Nebraska, Lincoln, NE, Feb. 2009.

Springer, Bethany, “*Shine a Light on Literacy Art Auction*”, Arkansas Governor’s Mansion. Little Rock, AR, Feb. 2009.

Springer, Bethany, “*Sculpture Invitational*”, Fayetteville Underground, Fayetteville, AR, 3/20-4/15/09.

Springer, Bethany, “*Project Feed Local*”, ddp Gallery, Fayetteville, AR, 11/5 – 11/21/09.

Springer, Bethany, “*Faculty Invitational*”, sUgAR Gallery, Bentonville, AR, 9/17-10/2/09.

Springer, Bethany, *Homeless Project*, public art installation, 2010

Biological Sciences

BOOKS:

Johnnie Gentry

Gentry, J.L., G.P. Johnson, B. Baker, T. Witsell, and J. Ogle, Arkansas Vascular Flora Committee. 2010 (projected). Atlas of the Vascular Plants of Arkansas. University of Arkansas. 710 pages, Reported last year.

Steven L. Stephenson

Stephenson, S. L. 2010. *The Kingdom Fungi: The Biology of Mushrooms, Molds, and Lichens*. Timber Press, Portland, Oregon. 272 pp.

REFEREED PUBLICATIONS:

Steven J. Beaupre

Beaupre, S. J. and L. E. Douglas. (2009). Snake populations as indicators of ecosystem health. Pages 244-261, In S. Mullin and R.A. Seigel, eds. *Snakes: Applied Ecology and Conservation*. Cornell University Press.

Gardner-Santana, L.C. and S. J. Beaupre. 2009. Timber Rattlesnakes (*Crotalus horridus*) exhibit elevated and less variable body temperatures during pregnancy. *Copeia*, 2009: 363-368

Beaupre, S. J. and H. W. Greene. 2010. Handling Hazardous Live Reptiles. Appendix for R. McDiarmid (ed.) *Reptiles: Standard Methods of Inventory and Monitoring*. Smithsonian Institution Press, Washington, DC. (note this book chapter has recently been revised, and the book project revitalized – reports have it that the book will publish in 2010).

Arthur Brown

Graening, G.O., D.B. Fenolio, M.L. Niemiller, A.V. Brown, and J.B. Beard. 2009 (published online, to be printed 2010). The 30-year recovery effort for the Ozark cavefish (*Amblyopsis rosae*): Analysis of current distribution, population trends, and conservation status of this threatened species. *Environmental Biology of Fishes* 87: 55-88.

Brown, A.V., K.B. Brown, D.C. Jackson, and W.K. Pierson. 2009. Lower Mississippi River and its Tributaries. In: Benke, A.C. and C.E. Cushing (eds.). Field Guide to the Rivers of North America. Elsevier Academic Press. Amsterdam. (An edited shorter version of Rivers of North America published in 2005)

Kathryn D. Curtin

Munro, M., Akkam, Y. and Curtin K.D. Mutational Analysis of *Drosophila basigin* function in the Visual System. *Gene* 449: 50-58.

Yuchun Du

Du Y., Zhou J., Fan, J., Shen Z., and Chen X. A streamline proteomic approach for characterizing protein-protein interaction network in a Rad52 protein complex. *Journal of Proteome Research*, 8: 2211-2217, 2009. (In the annual report for 2008, this paper was listed as “in revision”)

Jeannine M. Durdik

Mattoo H, Faulkner M, Kandal U, Lewis V, Geroge A, Rath S, Durdik J, Bal V. 2009. Primary activation of naïve CD4 T cells from aged mice leads to increased cell death and poor central memory phenotype. *Int. Imm.* PMID: 19748905.

Hesse J, Faulkner M, Durdik. 2009. Increase in double-stranded DNA break-related foci in early-stage thymocytes of aged mice. *Exp. Ger.*44(10):676-84. PMID: 19602431.

William J. Etges

Etges, W. J., C. C. de Oliveira, M. G. Ritchie, and M. A. F. Noor. 2009. Genetics of incipient speciation in *Drosophila mojavensis*. 2. Host plants and mating status influence cuticular hydrocarbon QTL expression and G x E interactions. *Evolution* 63:1712-1730

Levitan, M. and W. J. Etges. 2009. Rapid response to perturbation of chromosome frequencies in natural populations of *Drosophila robusta*. *Genetica* 137:1-8.

Jennings, J. H.* and W. J. Etges. 2010. Species hybrids in the lab but not in nature: a reanalysis of pre-mating isolation between *Drosophila arizonae* and *D. mojavensis*. *Evolution* 64:587-598.

Michelle Evans-White

Evans-White, M.A. and G.A. Lamberti. 2009. Direct and indirect effects of a potential aquatic contaminant on trophic interactions and ecosystem processes. *Environmental Toxicology and Chemistry* 28: 418-426.

Griffiths, N. A., J. L. Tank, T. V. Royer, E. J. Rosi-Marshall, M. R. Whiles, C. P. Chambers, T. C. Frauendorf, and M.A.Evans-White. 2009. Rapid breakdown of maize detritus in agricultural headwater streams. *Ecological Applications* 19: 133-142.

Ralph Henry

Tiwari N, L Woods, A Kight, R Haley, R Goforth, K Clark, M Atai, RL Henry, R Beitle (2010). Identification and characterization of native proteins of *Escherichia coli* BL-21 that display affinity towards Immobilized Metal Affinity Chromatography and Hydrophobic Interaction Chromatography Matrices. *Protein Expression and Purification*, 70(2):191-5

Fologea D, E Krueger, R Lee, M Naglak, Y Mazur, RL Henry, G Salamo (2009). Controlled Gating of Lysenin Pores. *Biophysical Chemistry* 146, pp. 25-29.

Marty, NJ, R Dakshinamurthy, AD Kight, NE Lewis, D Fologea, TKS Kumar, RL Henry, RL Goforth (2009). **The membrane-binding motif of chloroplast signal recognition particle receptor (cpFtsY) regulates GTPase activity.** *J. Biol. Chem* 284(22), 14891-14903

Gary R. Huxel

Dekar, M. P., D. D. Magoulick, and G. R. Huxel. 2009. Shifts in the trophic base of intermittent stream food webs. *Hydrobiologia* 635:263-277.

D.Mack Ivey

Gidden, J., Denson, J., Liyanage, R., Ivey, D. M., & Lay Jr, J. O. (2009). Lipid compositions in *Escherichia coli* and *Bacillus subtilis* during growth as determined by MALDI-TOF and TOF/TOF mass spectrometry. *International Journal of Mass Spectrometry*, 283(1-3), 178-184.

Douglas A. James

Kannan, Ragupathy and Douglas A. James. 2009. Fig trees (*Ficus*), captive elephants, and conservation of hornbills and other frugivores in an Indian wildlife sanctuary. *Journal of the Bombay Natural History Society* 105:238-242.

Patterson, C. Joan and Douglas A. James. 2009. Speed and accuracy of methods for obtaining forest stand measurements. *The Southwest Naturalist* 54:279-283.

James, Douglas A. and Ragupathy Kannan. 2009. Nesting habitat of the Great Hornbill (*Buceros bicornis*) in the Anaimalai Hills of Southern India. *Wilson Journal of Ornithology* 121:485-492.

Kannan, Ragupathy and Douglas A. James. 2009. Effects of climate change on global biodiversity: a review of key literature. *Tropical Ecology* 50:31-39.

Leasure, Douglas R., Ragupathy Kannan and Douglas A. James 2010. House Sparrows associated with reduced Cliff Swallow nesting success. *Wilson Jour. Of Ornithology* 122:135-138.

D.A. James, K.G. Smith, J.C. Neal, W.M. Shepherd and C. Mills. 2009. Three new state bird species and updates on other Arkansas records. *Journal of the Arkansas Academy of Science* 63:186-189.

Timothy A. Kral

Oliver-Kozup, H. and T.A. Kral. 2009. Methane Production on Rock and Soil Substrates by Methanogens: Implications for Life on Mars. *Bioastronomy 2007: Molecules, Microbes, and Extraterrestrial Life*. K.J. Meech, J.V. Keane, M.J. Mumma, J.L. Siefert and D.J. Werthimer (eds.), Astronomical Society of the Pacific, Vol. 420, p. 137-146.

David G. Krementz

Darrah, A. J., and D. G. Krementz. 2009. Distribution and habitat use of king rails in the Illinois and Upper Mississippi River Valleys. *Journal of Wildlife Management*. 73:1380-1386.

Daniel Lessner

Lessner, Daniel J (December 2009) Methanogenesis Biochemistry. In: *Encyclopedia of Life Sciences (ELS)*. John Wiley & Sons, Ltd: Chichester. DOI: 10.1002/9780470015902.a0000573.pub2

Daniel D. Magoulick

Dekar, M.P., D.D. Magoulick and G.R. Huxel. 2009. Shifts in the trophic base of intermittent stream food webs. *Hydrobiologia* 635:263-277.

Larson, E.R., D.D. Magoulick, C. Turner and K.H. Laycock. 2009. Disturbance and species displacement: different tolerances to stream drying and dessication between a native and invasive crayfish. *Freshwater Biology* 54:1899-1908.

Ludlam, J.P. and D.D. Magoulick. 2009. Effects of fish and crayfish on benthic communities during stream drying: Importance of spatial and temporal variation. *Journal of the North American Benthological Society* 28:371-382.

DiStefano, R.J., D.D. Magoulick, E.M. Imhoff, and E.R. Larson. 2009. Imperiled crayfishes use hyporheic zone during seasonal drying of an intermittent stream. *Journal of the North American Benthological Society* 28:142-152.

Larson, E.R. and D.D. Magoulick. 2009. Does juvenile competition explain displacement of a native crayfish by an introduced crayfish? *Biological Invasions* 11:725-735.

Douglas D. Rhoads

Hester, M. and D.D. Rhoads. (2009) Intron evolution patterns in multicellular eukaryotes. *Inquiry* 10:43-48

Cynthia L. Sagers

McNett, K., J. Longino, P. Barriga, O. Vargas, K. Phillips and C.L. Sagers 2010. Stable isotope investigation of a cryptic ant-plant association: *Myrmelachista flavocotea*. (Hymenoptera: Formicidae) and *Ocotea* spp. (Lauraceae). *Insectes Sociaux* 57:67-72. (DOI)

Sagers, C.L. (anticipated publication 2010) Nutrient acquisition and concentration by ant symbionts: the incidence and importance of biological interactions on plant nutrition. *In* J. Polacco and C. Todd (eds) *Environmental Aspects of Nitrogen Metabolism in Plants*. Wiley-Blackwell Publishers, Indianapolis.

Bautista, N. S., C.L. Sagers, E. Henry Lee and L.S. Watrud. (anticipated publication March 2010). Flowering times in genetically modified *Brassica* hybrids in the absence of selection. *Canadian Journal of Plant Science*.

Jeffery Silberman

Shadwick LL, Spiegel FW, Shadwick JDL, Brown MW, Silberman JD. (2009). Eumycetozoa = Amoebozoa?: SSU rDNA phylogeny of protosteloid slime molds and its significance for the Amoebozoan supergroup. *PLoS ONE* 4(8):e6754.

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0006754>

Brown MW, Spiegel FW, Silberman JD. (2009). Phylogeny of the “forgotten” cellular slime mold, *Fonticula alba*, reveals a key evolutionary branch within Opisthokonta. *Mol. Biol. Evol.* 26(12):2699-2709.

Kimberly G. Smith

Smith, A. D., C. A. Lott, J. P. Smith, K. C. Donohue, S. Wittenberg, K. G. Smith, and L. Goodrich. 2009. Deuterium measurements of raptor feathers: does a lack of reproducibility compromise geographic assignment? *Auk* 125:41-46.

Wittenberg, S. R., and K. G. Smith. 2009. Lack of differential migration in juvenile Northern Harriers and Merlins during fall migration in the Florida Keys. *Wilson Journal of Ornithology* 121:841-843.

Smith, A., C. Lott, J. Smith, K. C. Donohue, S. E. Wittenberg, K. G. Smith, and L. Goodrich. 2009. Deuterium measurements of raptor feathers: does a lack of reproducibility compromise geographic assignment? *Auk* 125:926-931.

Slay, C. M. and K. G. Smith. 2009. A comparison of nest success rates of four shrubland specialists in conservation managed fields to other managed and unmanaged shrublands. Pages 705-712. In: T. Rich, C. Arizmendi, C. Thompson, and D. Demarest, eds. Tundra to Tropics: Proceedings of the 4th International Partners in Flight Conference.

Luscier, J. D., and K. G. Smith. 2010. Patterns of habitat occupancy by Rusty Blackbirds (*Euphagus carolinus*) wintering in the Lower Mississippi Alluvial Valley. Condor 112: in second revision.

Frederick W. Spiegel

Ndiritu, GG, Stephenson, SL and Spiegel FW 2009. First records and microhabitat assessment of protostelids in the Aberdare Region, Central Kenya. J. Eukaryot. Microbiol. 56:148-158.

Ndiritu, GG, Winsett, KE, Spiegel, FW and Stephenson, S.L. 2009. A checklist of African Myxomycetes. Mycotaxon 107:353-356.

Ndiritu, GN, FW Spiegel, and SL Stephenson. 2009. Distribution and ecology of the assemblages of myxomycetes associated with the major vegetation types in Big Bend National Park, USA. Fungal Ecology 4:168-183.

Shadwick JD, Stephenson and SL, Spiegel FW. 2009. Distribution and ecology of protostelids in the Great Smoky Mountains National Park. Mycologia 101:320-328.

Brown, MW, FW Spiegel, JD Silberman. 2009. Phylogeny of the “forgotten” cellular slime mold, *Fonticula alba*, reveals a key evolutionary branch within Opisthokonta. Mol. Biol. and Evol. 26:2699-2709.

Shadwick. L, FW Spiegel, JDL Shadwick, MW Brown, and JD Silberman. 2009. *Eumycetozoa=Amoebozoa?*: SSUrDNA Phylogeny of protosteloid slime molds and its significance for the amoebozoan supergroup. PLoS One 4:e6754.

Ndiritu, GN, FW Spiegel, and SL Stephenson. 2009. Rapid biodiversity assessment of myxomycetes in two regions of Kenya. Sydowia 61:287-319.

Steven L. Stephenson

Vasilyeva, L. N., and S. L. Stephenson. 2009. The genus *Diatrype* Fr. (*Ascomycota*, *Diatrypaceae*) in Arkansas and Texas (USA). Mycotaxon 107:307-313.

Ndiritu, G. G. K. E. Winsett, F. W. Spiegel, and S. L. Stephenson. 2009. African myxomycetes II. Mycotaxon 107:353-356.

- Ndiritu, G., F. W. Spiegel, and S. L. Stephenson. 2009. First records and microhabitat assessment of protostelids in the Aberdare Region, Central Kenya. *Journal of Eukaryotic Microbiology* 56:148-158.
- Shadwick, J. D., S. L. Stephenson, and F. W. Spiegel. 2009. Distribution and ecology of protostelids in the Great Smoky Mountains National Park. *Mycologia* 101:320-328.
- Stephenson, S. L., and J. C. Landolt. 2009. Mycetozoans of the Great Smoky Mountains National Park: an All Taxa Biodiversity Inventory project. *Southeastern Naturalist* 8:317-324.
- Moreno, G., C. Rojas, S. L. Stephenson, and H. Singer. 2009. A new species of *Lamproderma* (Myxomycetes) from Costa Rica. *Mycological Progress* 8:215-219.
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Janowski, T.; Pulay, P. Accuracy and Efficiency of the First and Second Order Approximations in Ultrafast QM/MM Simulations of Solvated Molecules. International Symposium on Molecular Theory for Real Systems, Fukui Institute for Fundamental Chemistry, Kyoto University, Japan, January 7-9, 2010.

Janowski, T.; Meyer, W.; Pulay, P. Laplace Transform Calculation of the Perturbational Triples (T) Contributions (invited plenary), 50th Sanibel Symposia, St. Simons Island, GA, February 24-March 2, 2010.

Janowski, T.; Meyer, W.; Pulay, P. Laplace Transform Calculation of the Perturbational Triples (T) Contributions (invited plenary), Molecular Quantum Mechanics from Methylene to DNA and Beyond. Berkeley, CA, May 24-29, 2010.

Kumar, T.K.S. Characterization of the Molecular Forces underlying Angiogenesis mediated by Fibroblast Growth Factors, an invited presentation at GRASP-NMR (Greater Plains Annual Symposium of Protein & Biomolecular NMR) meeting held on September 25-26 at the University of Kansas, Lawrence, KS.

Kumar, T. K.S. Fibroblast Growth Factors – Structure, Dynamics, Folding & Interactions, Tenure presentation at the Department of Chemistry & Biochemistry, UARK. Nov. 23, 2009.

Kumar, T. K. S. Omega fatty acids – chemistry and health benefits, Talk at the Food Science Department, March 4, 2010.

Kumar, T. K. S. Application of multidimensional NMR spectroscopy in Biology. invited presentation in the CEMB Lecture Series, University of Arkansas, April 4, 2010.

Kumar, T. K. S. Biochemistry of molecules that sustain life, talk will be presented to the NSF-REU students on July 2, 2010.

Lay, J.O, Jr. Mass Spectrometry of Biomarkers. University of Missouri, St. Louis, March, 2010.

Millett, Francis Design of Photoactive Ruthenium Complexes to Study Biological Electron Transfer. UAMS, November 20, 2009.

Pulay, Peter Efficient Atomic Simulation of Solvent Effects. Modeling Reactivity from Gas Phase to Biomolecules and Solids, Barcelona, Spain, June 29-July 3, 2009.

Pulay, Peter Interactions between Aromatic Sheets. Sevent Computational Chemistry Conference of Canada, Halifax, NS, Canada, July 20-24, 2009.

Pulay, Peter. Accurate Calculation of Pi-Pi Stacking Interactions. Alternative Methods for calculating the Perturbative Triples Contributions. Harry Kind Symposium, Buffalo, NY, May 10-11, 2010.

Pulay, Peter; Meyer, Walt. Revisiting Natural Orbitals in Electron Correlation Theory. First Principles Quantum Chemistry from Elementary Reactions to Enzymes. Bad Herrenalb, Germany, April 14-17, 2010.

Ford, A.R.; **Pulay, P.** Infrared Spectra of Polycondensed Aromatic Hydrocarbons. 33rd Austin Symposium on Molecular Structure and Dynamics, Austin, TX, March 6-9, 2010.

Schäfer, Lothar Christian Science Church, Eureka Springs, AR, Sept. 28, 2009

Schäfer, Lothar La Grange College; La Grange, Georgia, October 6, 2009

Schäfer, Lothar University of Arkansas Medical School, Little Rock, AR, October 30, 2009.

Schäfer, Lothar University of Massachusetts, Dartmouth, MA December 4, 2009 (Two hour lecture by Telephone-Conference-Connection)

Schäfer, Lothar Keynote speaker in Pittsburg, KS, at the Annual Banquet of the Regional Section of the American Chemical Society, March 4, 2010.

Schäfer, Lothar Lecture in the Chemistry Department of Pittsburg State University, March 5, 2010.

Schäfer, Lothar Campus-wide lecture at the University of Freiburg. Major event with 400-500 people in attendance, April 27, 2010.

Schäfer, Lothar Public lecture in Barcelos, a city north of Porto, in Portugal, May 21, 2010.

Schäfer, Lothar Second lecture in Barcelos, Portugal June 25, 2010.

OTHER LECTURES, PAPERS AND ORAL PRESENTATIONS:

Adams, P.D., K.M. Kathir, D. Rajalingam, A. Koteswara, and T. K. S. Kumar. A method for the prevention of thrombin-induced degradation of recombinant proteins. 24th Annual Symposium of the Protein Society held in San Diego, CA, August 1-5, 2010).

Hargrave, R.R.; **Adams, P.D.** Characterization of Cdc42 and its mutant Cdc(T35A). Abstracts of Papers, 239th ACS National Meeting, San Francisco, CA, March 21-25, 2010.

Akhmetova, E.; Narasimhachary; Saxena, A.; **Wilkins, C.L.** Optimization in mass spectrometry analysis of [6,6]-phenyl C61-butyric acid methyl ester. American Society for Mass Spectrometry, Salt Lake City, UT, May 23-27, 2010.

Allison, N.T.; **Beuterbaugh, A.M.** Benzannulated 5-member Quinone Methide Analogs Derived from the Unique Reactivity of Dihalocyclopropanes. Abstracts of Papers, 239th ACS National Meeting, San Francisco, CA, March 21-25, 2010.

Allison, N.T.; **Loeschel, C.M.** Elimination of α -halosilanes: A mild Approach to Benzylic Carbenes. Abstracts of Papers, 239th ACS National Meeting, San Francisco, CA, March 21-25, 2010.

Pund, M.; **Aggarwal, A.**; **Fritsch, I.** Fast-scan Cyclic Voltammetry and Redox Cycling for the Detection of Serotonin. Abstracts of Papers, 239th ACS National Meeting, San Francisco, CA, March 21-25, 2010.

Avery, A., D. Rajalingam and T.K.S. Kumar. Effect of osmolytes on proteins. 21st Protein Society Symposium, Boston, MA, July 21-25, 2009.

Avery, A., D. Rajalingam, and T. K.S. Kumar. Effect of osmolytes on proteins. 54th Annual Biophysical Society Meeting held in San Francisco, CA, Feb. 19 – 24, 2010.

Avery, A., D. Rajalingam, and T. K.S. Kumar. Effect of osmolytes on proteins. Honors Night 2010, April 22, 2010 – UARK Ballroom, UARK, Fayetteville.

Baker, J. Geometry Optimization in Molecular Clusters. 33rd Symposium on Molecular Structure and Dynamics, Austin, TX, March 6-9, 2010.

Batov, S. Marriccor Andresa; Liyanage, R.; Kalser, P.; Wilkins, C.L. S-adenosylmethionine – Essential in Cadmium Stressed *Saccharomyces cerevisiae* Cells. American Society for Mass Spectrometry, Salt Lake City, UT, May 23-27, 2010.

Bradney, L.A.; Vostrikov, V.V.; Greathouse, D.V. Characterization of Transmembrane Peptide-Anchored Lactoferricin in Mixed Lipids. (2009) *Biophys. J.* 96(3):457a.

Clay, D.R.; McIntosh, M.C. Toward the Asymmetric Synthesis of the C17-C34 Fragment of Antascomicin B via an Ireland Claisen (ICR) and Allylic Diazene (ADR) Rearrangement Sequence. Abstracts of Papers, 239th ACS National Meeting, San Francisco, CA, March 21-25, 2010.

Clements, M.; Zheng, N. A Catalytic Method for the Preparation of 2,3-Disubstituted Indoles. Gordon Research Conference on Heterocyclic Compounds, Salve Regina University, Newport, RI, June 20-25, 2010.

Daily, A. and T.K.S. Kumar. Interactions defined between S100A13 and Annexin peptides: Insight into non-classical secretion. ABI Fall Research Symposium, Arkansas State University, Jonesboro, AR, Sept. 25, 2009.

Daily, A.E., and T.K.S. Kumar. Defining the interaction between S100A13 and Annexin II peptide: Insight into non-classical secretion. Arkansas INBRE research conference, Oct. 23-24, 2009, Fayetteville, AR.

Daily, A. E., D. Rajalingam, and T. K. S. Kumar. Defining the interactions between S100A13 and Annexin peptides: Insight into non-classical secretion. 54th Annual Biophysical Society Meeting held in San Francisco, CA Feb. 19 – 24, 2010.

Dormi, S.S.; Hutchison, J.M.; Lindsay, H.; McIntosh, M.C. Toward the Synthesis of Sclerophytin A. Abstracts of Papers, 239th ACS National Meeting, San Francisco, CA, March 21-25, 2010.

Duo, J.; Espinal Cabrera, R.F.; Stenken, J.A. Comparison of Heparin-Immobilized vs. Antibody-Immobilized Microspheres for the Capture and Detection of Cytokines during Microdialysis Sampling. 2009 IEEE/NIH Life Science Systems and Applications Workshop (LiSSa 2009), ISBN: 978-1-4244-4293-5, pp. 112-115.

Ellis, R.E.; Greathouse, D.V. Characterization of Transmembrane Peptide-Anchored Lactoferricin in Mixed Lipids. (2009) Biophys. J. 96(3):609a.

Erstine, E., A. E. Daily, and T. K. S. Kumar. The monomerization of a dimeric, calcium binding protein involved in the non-classical export of fibroblast growth factor 1. 54th Annual Biophysical Society Meeting held in San Francisco, CA, Feb. 19 – 24, 2010.

Froyd-Rankenber, J.M.; Greathouse, D.V.; Koeppe, R.E. II. Orientation of Single Anchored WALP Peptides within Lipid Membranes Established by Solid-State NMR Methods. 51st Rocky Mountain Conference on Analytical Chemistry. July 19-23, 2009, Snowmass, CO.

Froyd-Rankenber, J.M.; Greathouse, D.V.; Koeppe, R.E. II. Influence of WALP Peptides on Phase Behavior of Cholesterol Containing Ternary Lipid Mixtures. Biophysical Society 54th Annual Meeting, San Francisco, CA, February 2010. Biophys. J. 98(3), 91a.

Garren, C., D. Rajalingam and T.K.S. Kumar. Understanding the role of ankyrin domain of the 43-kDa subunit of the chloroplast signal recognition particle in protein targeting. 21st Protein Society Symposium, Boston, MA, July 21-25, 2009.

Garren, C., K.M. Kathir and T.K.S. Kumar. Understanding the role of ankyrin domain of the 43kDa subunit of the chloroplast recognition particle in protein targeting. Arkansas INBRE research conference, Oct. 23-24, 2009, Fayetteville, AR.

Garren, C., K. M. Kathir, A. E. Daily, and T. K. S. Kumar. Understanding the Role of Ankyrin domain of the 43-kDa subunit of the Chloroplast Signal Recognition Particle in Protein Targeting. 54th Annual Biophysical Society Meeting held in San Francisco, CA, Feb. 19 – 24, 2010.

Garren, C., K. M. Kathir, and T. K. S. Kumar. Understanding the role of ankyrin domain of the 43kDa subunit of the chloroplast recognition particle in protein targeting. Honors Night 2010, April 22, 2010 – UARK Ballroom, UARK.

Aube, J.; Reiser, O.; **Gawley, R.E.**; Paraic, J. Finding Atlantis: The Dual Bachelor Degree in Chemistry EUCHEMUSA. Abstracts of Papers, 239th ACS National Meeting, San Francisco, CA, March 21-25, 2010.

Gleason, N.J.; Vostrikov, V.V.; Koeppe, R.E., II. Observation of Backbone Ca-Deuteron Signals in Solid-State NMR Spectra of Labeled Alanines in Oriented Transmembrane Peptides. Biophysical Society 54th Annual Meeting, San Francisco, CA, February 2010. Biophys. J. 98(3), 91a.

Greathouse, D.V.; Bradney, L.A.; McClelland, N.; Vostrikov, V.V. Solid-State 2H NMR Analysis of Acylated Lactoferricin Peptides in Oriented Lipid Bilayers. 51st Rocky Mountain Conference on Analytical Chemistry. July 19-23, 2009. Snowmass, CO.

Durand, K.; **Greathouse, D.V.** Solid Phase Synthesis and Characterization of Antimicrobial Lactoferricin Peptides. Arkansas INBRE Research Conference, October 15-16, 2010. Fayetteville, AR.

Greathouse, D.V.; Durand, K.; **McClellan, N.; Rajalingam, D.; Kumar, T.K.S.** Investigation of anti-angiogenic properties of lactoferricin peptides: Interaction with heparin and sucrose octasulfate. Arkansas Biosciences Fall Research Symposium, September 25, 2009. Arkansas State University, Jonesboro, AR.

Hall, L., L. Rutherford, and T. K.S. Kumar. The conformational and functional role of proline in human fibroblast growth factor-1. Honors Night 2010, April 22, 2010 – UARK Ballroom, UARK.

Hamblin, K., A.E. Daily, and T. K. S. Kumar. A biophysical investigation of the non-classical release complex of fibroblast growth factor-1. 54th Annual Biophysical Society Meeting held in San Francisco, CA, Feb., 19 – 24, 2010.

Hamblin, K., A.E. Daily, and T. K. S. Kumar. A biophysical investigation of the non-classical release complex of fibroblast growth factor-1. Honors Night 2010, April 22, 2010 – UARK Ballroom, UARK.

Haydar, A., R. Kerr and T. K. S. Kumar. Rational Design of Human fibroblast growth factor with enhanced stability. Honors Night 2010, April 22, 2010 – UARK Ballroom, UARK.

Henderson, R., A.E. Daily, and T. K.S Kumar. Determination of the backbone dynamics of the C2A domain of synaptotagmin-1. Honors Night 2010, April 22, 2010 – UARK Ballroom, UARK.

Henson, A., A. E. Daily, and T. K. S. Kumar. Investigation of W121 on the conformation and functional properties of the human acidic fibroblast growth factor-1. Honors Night 2010, April 22, 2010 – UARK Ballroom, UARK.

Heyes, Colin. Single Molecule Fluorescence Techniques for Biomedical Research. NIH, NCRR Third Biennial National IDEa Symposium of Biomedical Research Excellence (NISBRE) conference on Single Molecule Approaches to Biology, Lucca (Barga), Italy, June 27-July 2, 2010.

Hoyt, A., S. Jayanthi, and T. K. S. Kumar. Cloning and characterization of FNT-1 and D2-D3-TM-JX domains of KAL-1 and FGFR genes. Honors Night 2010, April 22, 2010 – UARK Ballroom, UARK.

Hubbard, A.; Gawley, R.E. Synthesis and Application of a Novel Chiral NHC Catalyst. Abstracts of Papers, 239th ACS National Meeting, San Francisco, CA, March 21-25, 2010.

Ismail, A., D. Rajalingam, and T. K. S. Kumar. Understanding the Effectiveness of Synthetic Crowding Agents. 54th Annual Biophysical Society Meeting held in San Francisco, CA, Feb. 19 – 24, 2010.

Ismail, A., D. Rajalingam and T.K.S. Kumar. Understanding the effectiveness of synthetic crowding agents. 21st Protein Society Symposium, Boston, MA, July 21-25, 2009.

Janowski, T.; Pulay, P. Laplace Transformed MP4 and CCSD Perturbative Triples. 50th Sanibel Symposia, St. Simons Island, GA, February 24-March 2, 2010.

Kapoor, R.; Ingolfsson, H.I.; **Koeppe, R.E. II.** Antidepressants Modify Lipid Bilayer Properties. Biophysical Society 54th Annual Meeting, San Francisco, CA, February 2010. Biophys. J. 98(3), 479a-480a.

Kathir, K.M. and T.K.S. Kumar. Understanding the mechanism of the antiangiogenic activity of suramin. NIH-IdeA Southeast Regional Conference, Charleston, SC, Nov. 9-22, 2009.

Kerr, R. and T. K. S. Kumar. Rational design of acidic fibroblast growth factor (hFGF-1) with increased stability and mitogenic activity. 54th Annual Biophysical Society Meeting held in San Francisco, CA Feb. 19 – 24, 2010.

Al'Aref, S.J.; **Koeppe, R.E. II;** Anderson, O.S. NSAIDs Alter Bilayer Properties by a Common Mechanism. Biophysical Society 54th Annual Meeting, San Francisco, CA, February 2010. Biophys. J. 98(3), 480a.

Rusinova, R.; Herold, K.F.; **Koeppe, R.E. II;** Hemmings, H. C., Jr.; Andersen, O.S. Thiazolidinediones Alter Lipid Bilayer Properties and Native Voltage-Gated Sodium Channel Function. Biophysical Society 54th Annual Meeting, San Francisco, CA, February 2010. Biophys. J. 98(3), 480a.

Lewis, N.E., N.J. Marty, K.M. Kathir, D. Rajalingam, A.D. Kight, T.K.S. Kumar, R.L. Henry and R.L. Goforth. An interaction between cpSRP43 and C-terminus of Albino 3 regulates membrane targeting events. Arkansas INBRE research conference, Oct. 23-24, 2009, Fayetteville, AR.

Lewis, N.E., N.J. Marty, K.M. Kathir, D. Rajalingam, A.D. Kight, T.K.S. Kumar, R.L. Henry and R.L. Goforth. An interaction between cpSRP43 and C-terminus of Albino 3 regulates membrane targeting events. Annual American Cell Biologists Meeting at Galveston, TX March 28, 2010.

Li, Z.; Xie, R.; **Grisham, S.Y.;** Peng, X. Elucidation and Advancement of the CdS Nanocrystal Formation Process. Abstracts of Papers, 239th ACS National Meeting, San Francisco, CA, March 21-25, 2010.

Martfeld, A., A. E. Daily, and T. K. S. Kumar. Investigation of the FGF-1 Non-classical release pathway by defining the S100A13/annexin-2 interaction. Honors Night 2010, April 22, 2010 – UARK Ballroom, UARK.

McIntosh, M.C. The Role of Organic Synthesis in Drug Discovery. UA Fort Smith, Fort Smith, AR, November 9, 2009.

McIntosh, M.C. Total Synthesis – Molecules and Medicine: A documentary film. 238th ACS National Meeting, Washington, DC, August 19, 2009; CHED-272.

Miladinovic, S.; Kaeser, C.; **Wilkins, C.L.** Fragmentation of Polyacrylates by Tandem ESI-FTMS. American Society for Mass Spectrometry, Salt Lake City, UT, May 23-27, 2010.

Kaeser, C.; **Miladinovic, A.;** **Wilkins, C.L.** Fragmentation of Multiply-Charged Polymers using ESI-FTMS. Pittcon, Orlando, FL, Feb 28-Mar 5, 2010.

Lewis, E.K.; Egan, T.F.; **Miladinovic, S.;** Jackson, S.N.; Woods, A.S.; **Wilkins, C.L.;** Schultz, J. A. Giant fullerenes as in-situ internal calibrants for high mass accuracy MALDI-IM-o TOFMS tissue imaging. American Society for Mass Spectrometry, Salt Lake City, UT, May 23-27, 2010.

Moore, R., Daily, A. E. and T. K. S. Kumar. Examining the structural stability of C2B domain of synaptotagmin B using multidimensional NMR spectroscopy. Honors Night 2010, April 22, 2010 – UARK Ballroom, UARK.

Ong, G.L.; **Peng, X.** Investigating the Surface Ligand Dynamics of Colloidal Semiconductor Nanocrystals. Abstracts of Papers, 239th ACS National Meeting, San Francisco, CA, March 21-25, 2010.

Ostrowski, D.R.; **Sears, D.W.G.;** Lacy, C.H.S.; Gietzen, K.M. Asteroidal Origins for Carbonaceous Chondrites. 72nd Annual Meeting of the Meteoritical Society, July 13-18, 2009, Nancy, France, abstract no. 5309.

Ostrowski, D.R.; **Sears, D.W.G.;** Lacy, C.H.S.; Gietzen, K.M. Heating Experiments on Phyllosilicates-Evaporite Mixtures: Implications for the Surface Composition of C Asteroids. 41st Lunar and Planetary Science Conference, March 1-5, 2010, The Woodlands, TX. SPI Contribution No. 1533, p. 1235.

Philominathan, S.T.L.; Tulasi Ponnappakkam, Osamu Matsushita, Takaki Koide, Soenke Seifert, **Ryan Bauer,** Robert Gensure, **Joshua Sakon.** Structure and function of bacterial collagenase domains. Abstracts published in Journal of Bone Mineral Research.

Pickhardt, M., S. Jayanthi, and T. K. S. Kumar. Purification and characterization of L23. Honors Night 2010, April 22, 2010 – UARK Ballroom, UARK.

Richardson, N.; Bhise, A.; Staiger, J.; Bishop, B.; Davis, D. Mutagenesis of Cytochrome fY160 and R156: Effects on Redox Properties. 34th Annual Midwest/Southeast Photosynthesis Meeting, Turkey Run State Park, Marshall, IN, Oct 31-Nov 2, 2009.

Rivero, J.; McIntosh, M.C. Toward the Total Synthesis of Antascomycin B via amino Claisen and Allylic Diazene Rearrangement Sequence. Abstracts of Papers, 239th ACS National Meeting, San Francisco, CA, March 21-25, 2010.

Robertson, A., D. Rajalingam and **T.K.S. Kumar.** Single-site Mutagenesis within a cluster of positive residues could expose an ‘Achilles Heel’ of human fibroblast growth factor-1. Poster presented at the NSF-REU (July 26, 2009), University of Arkansas, Fayetteville, AR.

Ruider, S.A.; McIntosh, M.C. Novel Sn2’ Reactions in Terpenoid Synthesis. Abstracts of Papers, 239th ACS National Meeting, San Francisco, CA, March 21-25, 2010.

Rutherford, L., D. Rajalingam, B. Blough and **T.K.S. Kumar.** Understanding the mechanism of autoregulation of FGF signaling. Arkansas INBRE research conference, Oct. 23-24, 2009, Fayetteville, AR.

Rutherford, L., D. Rajalingam, B. Blough and **T.K.S. Kumar.** (Autoregulation poster) NIH-IdEA Southeast Regional Conference, Charleston, SC, Nov. 9-22, 2009.

Rutherford, L., D. Rajalingam, F. Guo, J. Sakon and **T. K. S. Kumar.** Characterization of the minimalistic FGF-D2 domain interface. 54th Annual Biophysical Society Meeting held in San Francisco, CA, Feb. 19 – 24, 2010.

Rutherford, M. R.; Peng, X. Determination of the Dopant Ion Location in Doped Semiconductor Nanocrystals Resulting from a Lattice Self-Purification Process. Abstracts of Papers, 239th ACS National Meeting, San Francisco, CA, March 21-25, 2010.

Hang, Q.; **Rutherford, M.; Peng, X.** Electron Transfer in a Bandgap and Composition Engineered CdS/ZnS/ZnSe core/shell/shell Nanocrystal: Synthesis and Characterization. Abstracts of Papers, 239th ACS National Meeting, San Francisco, CA, March 21-25, 2010.

Zhao, F.; **Rutherford, M.R.; Grisham, S.Y.; Peng, X.** Formation of Monodisperse FePtAlloy Nanocrystals using Air-stable Precursors: Fatty Acids as Alloying Mediator and Reductant for Fe³⁺ Precursors. Abstracts of Papers, 239th ACS National Meeting, San Francisco, CA, March 21-25, 2010.

Sakon, J. A Novel parathyroid hormone-collagen binding domain fusion protein. ABI meeting, Jonesboro, AR, Sept. 2009.

Katikaneni, R.; Tulasi Ponnappakkam; Mehri Mollae, Eric Miller, Osamu Matsushita, **Joshua Sakon**, Robert Gensure. Treatment of chemotherapy-induced osteoporosis and alopecia with a parathyroid hormone-collagen binding domain fusion protein in mice. Abstract published in Journal of Bone Mineral Research.

Sears, D.W.G.; Gietzen, K.M.; **Ostrowski, D.R.**; Lacy, C.H.S. S Asteroids: Are some of the Missing Melts UOC? 72nd Annual Meeting of the Meteoritical Society, July 13-18, 2009, Nancy, France, abstract no. 5170.

Sears, D.W.G.; Craig, J.P. Thermoluminescence and the History of Cometary Particles. 41st Lunar and Planetary Science Conference, March 1-5, 2010, The Woodlands, TX. SPI Contribution No. 1533, p. 1404.

Craig, J.P.; **Sears, D.W.G.** Natural and Induced Thermoluminescence Data for Twenty-five 10-15 m Particles from the LL3.0 Ordinary Chondrite Semarkona: Implications for the Nature and History of Primitive Solar System Material. 41st Lunar and Planetary Science Conference, March 1-5, 2010, The Woodlands, TX. SPI Contribution No. 1533, p. 1401.

Trigo-Rodriguez, J.M.; Llorca, J.; **Sears, D.W.G.** The Cali Meteorite: Luminescence of a Recently Fallen H/L Ordinary Chondrite. Conference on Micro-Raman Spectroscopy and Luminescence Studies in the Earth and Planetary Sciences. April 2-4, 2009, Mainz, Germany. LPI Contribution No. 1473, p. 85-86.

La Grone, R.L.; **Stenken, J.A.** Enhanced Microdialysis Sampling of Antidepressant Drugs: Influence of Cyclodextrins on Protein Binding Equilibrium. Abstracts of Papers, 239th ACS National Meeting, San Francisco, CA, March 21-25, 2010.

Thurman, R. and **T. K. S. Kumar.** Cation-Pi interactions contribute significantly to the stability of FGF and FGFR. 54th Annual Biophysical Society Meeting held in San Francisco, CA, Feb. 19 – 24, 2010.

Tingquist, N., A. E. Daily, and T. K. S. Kumar. Design of a monomeric form of S100A13. Honors Night 2010, April 22, 2010 – UARK Ballroom, UARK.

Venkatakrishnan, V.; Von Grote, E.; **Stenken, J.A.** In vivo Measurement of Cytokines during Foreign Body Response using Microdialysis in Sprague – Dawley Rat Model. 2010 Society for Biomaterials Conference, April 2010, Seattle, WA.

Vo, D. and **T. K. S. Kumar.** Understanding the structure and stability of FGF-1 in a cellular environment using NMR spectroscopy. Honors Night 2010, April 22, 2010– UARK Ballroom, UARK.

Von Grote, E.C.; Venkatakrishnan, V.; Duo, J.; Stenken, J.A. Microdialysis sampling and qRT-PCR validation of MCP-1, IL-6 and IL-10 in subcutaneous foreign body reaction in rats. Submitted to Biomaterials, February 10, 2010.

Vostrikov, V.V.; Daily, A.E.; Greathouse, D.V.; Koeppe, R.E. II. Charged and Aromatic Anchoring Amino Acids Affect the Orientation of Transmembrane Peptides: A Deuterium NMR Study. Biophysical Society 54th Annual Meeting, San Francisco, CA, February 2010. Biophys. J. 98(3), 91a.

Vostrikov, V.V.; Greathouse, D.V.; Koeppe, R.E. II. Use of Transmembrane Peptides to Investigate Arginine Interactions with Lipid Bilayers. (2009) Biophys. J. 96(3):455a.

Hall, B.A.; **Vostrikov, V.V.; Koeppe, R.E. II.**; Sansom, Mark S.P. Sensitivity of Coarse Grain Models of Peptides to the Introduction of Charged Residues in Model Peptides and Bacterial Chemoreceptors. Biophysical Society 54th Annual Meeting, San Francisco, CA, February 2010. Biophys. J. 98(3), 644a.

Weston, M.; Hooten, C.; Fritsch, I. Redox-Magnetohydrodynamic Microfluidics without Channels and Compatible with Electrochemical Detection under Immunoassay Conditions. Gordon Research Conference on Electrochemistry, Ventura, CA, Jan 10-15, 2010.

White, N., D. Rajalingam and **T.K.S. Kumar**. Overexpression, purification and biophysical characterization of interleukin 1 alpha. 21st Protein Society Symposium, Boston, MA, July 21-25, 2009.

White, N. and **T.K.S. Kumar**. Overexpression and biophysical characterization of human interleukin 1 alpha. Arkansas INBRE research conference, Oct. 23-24, 2009, Fayetteville, AR.

White, N., Rajalingam, D. and **T. K. S. Kumar**. Overexpression and Biophysical Characterization of Human Interleukin 1 α . 54th Annual Biophysical Society meeting in San Francisco, CA, Feb. 19-24, 2010.

White, N. and **T. K. S. Kumar**. Overexpression and Biophysical Characterization of Human Interleukin 1 α . Honors Night 2010, April 22, 2010 – UARK Ballroom, UARK, Fayetteville.

Wilkins, C.L. Ion Mobility-MS of Polymers Validated with Fourier Transform MS. Pittcon, Orlando, FL, Feb 28-Mar 5, 2010.

Wilkins, C.L. Use of MALDI FTMS for Characterization of Plant Populations. 18th International Mass Spectrometry Conference, Bremen, Germany, August 31, 2009.

Wilkins, C.L. Ion Mobility-MS of Polymers Validated with Fourier Transform MS. Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy 2010, February 28-March 5, 2010, Orlando, FL.

Wilkins, C.L.; Akhmetova, E.; Narasimhachary, S.; Saxena, A. Optimization in mass spectrometry analysis of [6,6]-phenyl C61-butyric acid methyl ester. American Society for Mass Spectrometry, May 23-27, 2010, Salt Lake City, UT.

Wilkins, C.L.; Batoy, S.M.A.B.; Liyanage, R.; Kaiser, P. S-adenosylmethionine – Essential in Cadmium Stressed *Saccharomyces cerevisiae* Cells. American Society for Mass Spectrometry, May 23-27, 2010, Salt Lake City, UT.

Wilkins, C.L.; Miladinovic, S.; Kaeser, C. Fragmentation of Polyacrylates by Tandem ESI-FTMS. American Society for Mass Spectrometry, May 23-27, 2010, Salt Lake City, UT.

Wilkins, C.L.; Kaeser, C.; **Miladinovic, S.** Fragmentation of Multiply-Charged Polymers using ESI-FTMS, Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy 2010, February 28-March 5, 2010, Orlando, FL.

Wilkins, C.L.; Lewis, E.K.; Egan, T.F.; **Miladinovic, S.;** Jackson, S.N.; Woods, A.S.; Schultz, J.A. Giant fullerenes as in-situ internal calibrants for high mass accuracy MALDI-IM-o TOFMS tissue imaging. American Society for Mass Spectrometry, May 23-27, 2010, Salt Lake City, UT.

Williams, C.; **Fritsch, I.** Studies in Developing Electrochemical Immunoassay Microarrays. 217th Electrochemical Society Meeting, Vancouver, BC, Canada, April 25-30, 2010.

Communication

BOOK CHAPTERS:

Mills, C. B., & **Walker, K. L.** (2009). Early intervention or early imposition: A bona fide group perspective analysis of the parent/child-EL relationship. In T. Socha & G. Stamps (Eds.). *Interfacing outside of home: Parents and children communicating with society*, pp. 154-170. New York: Routledge.

Query, J. L., & Wright, K. B., **Amason, P.**, Eichhorn, K., Weathers, M., Haun, M., Bochenik K., L., & Pedrami, V. (2009). Using quantitative methods to conduct applied communication research. Larry R. Frey and Ken Cissna (Eds.), *Handbook of applied communication theory, research, and practice*. Mahwah, NJ: Routledge.

JOURNAL ARTICLES:

Corrigan, L. M. (2009) Sacrifice, love, and resistance: The hip-hop legacy of Assata Shakur. *Women and Language*. 32, 2-13.

Frentz, T. S. (2009). Split selves and situated knowledge: The trickster goes titanium. *Qualitative Inquiry*, 15/5, 820-842.

Rosteck, T. & Frentz, T. S. (2009). Myth and multiple readings in environmental rhetoric: The case of An Inconvenient Truth.” *Quarterly Journal of Speech*, 95, 1-19.

Schulte, S. R. (2009). Self-colonizing eEurope: The information society merges onto the information superhighway. *Journal of Transnational American Studies* 1.

Thompson-Hayes, M., Gibson, Danna M., Scott, A. T., & **Webb, L. M.** (2009). Professorial collaborations via CMC: Interactional dialectics. *Computers in Human Behavior*, 25, 208-216.

Wicks, J., **Warren, R.**, Fosu, I., & **Wicks, R. H.** (2009). Dual-modality disclaimers, emotional appeals, and production techniques in food advertising airing during programs rated for children: Is there a good balance? *Journal of Advertising*, 38, 95-107.

OTHER PUBLICATIONS:

Allen, M. W., Armstrong, D. J., Reid, M. F., & Riemenschneider, C. K. (2009). IT employee retention: Employee expectations and workplace environments. Proceedings of the SIGMIS-CPR '09 Conference.

Reid, M., **Allen, M. W.**, Riemenschneider, C., Armstrong, D. (2009). Give IT employees what they need to thrive. *Reliable Plant through Newswise* .

Scheide, F.M. (2009). Musically speaking: Frank Scheide introduces City Lights.” Introduction to City Lights, presented prior to a screening with live accompaniment by the Buffalo Philharmonic Orchestra. Buffalo Film Festival, Buffalo, N.Y.

CONVENTION, CONFERENCE AND INVITED PRESENTATIONS:

Allen, M. W., **Walker, K. L.**, **Brady, R.**, Rusinowski, J., & Johnson, T. (2010). Sustainability discourse within a supply chain relationship: Mapping divergence and convergence. Paper presented at the International Communication Association Annual Meeting, Singapore.

Allen, M. W., Armstrong, D. J., Reid, M. F., & Riemenschneider, C. K. (2009). IT employee retention: Employee expectations and workplace environments. Paper presented at the SIGMIS-CPR 2009 Conference in Limerick, Ireland.

Amason, P., Wilson M. L., & Rusinowski, J. (2009). Uncertainty reduction, support and coping: Family communication and the crisis of infertility. Paper presented at the annual convention of the National Communication Association, Chicago.

Corrigan, L. M. (2009). Patriotism and nationalism. OMNI Forum. Nightbird Books, Fayetteville, AR.

Corrigan, L. M. & Utley, E. A. (2009). Barack Obama: A dialogue in black and white. Clinton House Museum, Fayetteville, AR.

Corrigan, L. M. (2009). Barack Obama's first inaugural address: Preliminary comments. Senior Democrats of Northwest Arkansas, Springdale, AR.

Frentz, T. S. (2009). Training tricketers. Paper presented at the annual convention of the National Communication Association, Chicago.

Johnson, K. B., & **Webb, L. M.** (2009). Death of a child: Mothers' accounts of interactions with their surviving children. Paper presented at the Western States Communication Association, Mesa, AZ.

Morledge, C., Moore, M. L., Spurlock, K., **Webb, L. M.**, **Amason, P.** & Agee, P. (2009). Similarities and differences between male and female college students accounts of initiating safer-sex talk. Roundtable discussion at the annual convention of the national Communication Association, Chicago.

Scheide, F. M. (2009). Charles Chaplin: The lost outtakes found! American premiere of alternate beginning and deleted scenes from City Lights. Presentation at the Buffalo International Film Festival. Buffalo, N.Y.

Scheide, F. M. (2009). Charles and Penny Chilton's Oh What a Lovely War. Paper presented at the Annual Buster Keaton Celebration, Iola, KS.

Schulte, S. R. (2009). Blogging into the future: The Internet as unmediated proxy of the self. Paper presented at the annual convention of the International Communication Association.

Schulte, S. R. (2009). Tweets and twitters: New media and new citizens. Paper presented at the American Studies Association Conference, Washington, D.C.

Smith, S. A. (2009). Origins, purpose, and development of Lambda Pi Eta, the national communication honor society. Paper presented at the annual meeting of the National Communication Association, Chicago.

Son, M. S., **Webb, L. M.**, **Allen, M. W.** & **Amason, P.** (2009). South Korean women's communication with heterosexual partners about sexual discrepancies. Paper presented at the meeting of the Society for the Scientific Study of Sexuality, Puerto Vallarta, Mexico.

Walker, K. L. (2009). Critical network analysis. Paper presented at Sunbelt XXIX, International Network for Social Network Analysis, San Diego, CA.

Walker, K. L. (2009). Emergent power: Using longitudinal analysis to examine dynamic power structures in networks. Paper presented at Sunbelt XXIX, International Network for Social Network Analysis, San Diego, CA.

Webb, L. M. (2009) Changes in research about applied relational communication, on Panel titled "Applied communication: Five-years out." Paper presented at the National Communication Association, Chicago.

Webb, L. M., **Amason, P.**, Agee, P. K., Moore, M. E., Morledge, C. L., & Spurlock, K. M. (2010). College students' reports of initiating safer sex talk: Differences and similarity in male and female accounts. Paper presented at the annual convention of the Southern States Communication Association, Memphis (Top Paper Award).

Wicks, R. H., Mertensmeyer, A., Blackburn, G., & Fields, T. (2009). Tracking the blogs: An evaluation of attacks, acclaims and rebuttals on Political Blogs During the 2008 Presidential Election. Paper presented at the annual meeting of the Association for Education in Journalism and Mass Communication, Boston, MA.

Drama

REFEREED ARTICLES and PRESENTATIONS:

Dwyer, Mavourneen – Review for Cicely Berry’s **From Word to Play: A Handbook for Directors**, VASTA Voice and Speech Review, July 2009.

Stone, Patrick – “Gas Spring-Assisted Caster Jacks”, Tech Expo 2009, v. 49-50.

INVITED LECTURES/WORKSHOPS:

Ford, Bob – Playwright, *The Fall of the House*, Alabama Shakespeare Festival, 2010.

Ford, Bob – Director, Arkansas Playwrights Workshop, 2010.

Ford, Bob – Dramaturg, Alabama Shakespeare Festival 2009 Southern Writers Project,

English

BOOKS:

BOOKER, KEITH. *Disney, Pixar, and the Hidden Messages of Children’s Films*. Santa Barbara, CA: Praeger, 2009. 214 pp.

Superpower: Heroes, Ghosts, and the Paranormal in American Culture. Lincoln, U of Nebraska P, 2010. 204 pp.

The Encyclopedia of Comic Books and Graphic Novels. 2 vols. (editor). Santa Barbara, CA: Greenwood, 2010. 736 pp.

CHAPTERS:

BERNHARD JACKSON, EMILY. “Plunging into the Crowd: Islands and Selves in Byron.” *Byron and the Isles of the Imagination*, eds. Alistair Heys and Vitana Kostadinova. Context Publishing, 2009. 107-34.

BOOKER, KEITH. “The African Historical Novel.” *The Cambridge Companion to the African Novel*, ed. Abiola Irele. Cambridge: Cambridge University Press, 2009. 141–157.

GILES, MOLLY. 'Your Sixty Year Old, Friend or Foe' in *Eye of My Heart*, ed Barbara Graham, Harper Collins, May 2010.

REFEREED SCHOLARLY AND CREATIVE PUBLICATIONS:

BROCK, GEOFFREY. "King: April 7, 1968" (original poem) in *The Rumpus* (www.therumpus.net), Brian Spears, ed., April 7, 2010.

BROCK, GEOFFREY. "The Shadow," by Carlo Betocchi in *Poetry*, Christian Wiman, ed. Chicago: The Poetry Foundation, Mar. 2010.

BROCK, GEOFFREY. "Summer," by Carlo Betocchi in *Poetry*, Christian Wiman, ed. Chicago: The Poetry Foundation, Mar. 2010.

BROCK, GEOFFREY. "Little Diary of Getting Old: VIII," by Carlo Betocchi in *Poetry*, Christian Wiman, ed. Chicago: The Poetry Foundation, Mar. 2010.

BROCK, GEOFFREY. Translator's Note (339-word introduction), in *Poetry*, Christian Wiman, ed. Chicago: The Poetry Foundation, Mar. 2010.

CANDIDO, JOSEPH. "Marking Time in *Doctor Faustus* 5.2." *Early Theatre*, 12.1 (2009), 137-140.

CANDIDO, JOSEPH. Review of Billy Higgins, *The Barling Darling: Hal Smith in American Baseball*. *Arkansas Historical Quarterly* 58 (2009), 459-461.

GILES, MOLLY. "Suicide Dog." *White Whale Review*. August 2009.

GILES, MOLLY. "Our Problem." *Rough Copy*. August 2009.

GILES, MOLLY. "One of Us." *EPOCH* September 2009.

GILES, MOLLY. "La Perdida." *Southern Indiana Review*, Fall 2009.

GILES, MOLLY. Short story "Seahorse Sex," *Smokelog Quarterly*, 26 April, 2010.

GILES, MOLLY. Short story, "La Perdida," *Southern Indiana Review*, Spring 2010.

GILES, MOLLY. Author interview in *Southern Indiana Review*, Spring 2010.

GILES, MOLLY. Essay, "Odds on Ends" in *AWP Writers Journal*, February 2010.

HEFFERNAN, MICHAEL. "Fool," *Measure* 4.1 (2009): 44-43.

HEFFERNAN, MICHAEL. "Blade on a Sill," *Measure* 4.1 (2009): 44.

- HEFFERNAN, MICHAEL. "Your Poem Is Awesome," *Measure* 4.1 (2009)
- HEFFERNAN, MICHAEL. "Good Boy," *The Little Balkans Review* 5.4 (Fall 2009): 59-61.
- HEFFERNAN, MICHAEL. "Tahiti," *The Little Balkans Review* 5.4 (Fall 2009): 62.
- HEFFERNAN, MICHAEL. "Visitant," *The Little Balkans Review* 5.4 (Fall 2009): 63.
- HEFFERNAN, MICHAEL. "Art and Life," *For, From, About James T. Whitehead*, Michael Burns, ed. Springfield, Mo.: Moon City Press, 2009:44.
- HEFFERNAN, MICHAEL. "Speak the Speech, I Pray You," *For, From, About James T. Whitehead*, Michael Burns, ed. Springfield, Mo.: Moon City Press, 2009: 101.
- HEFFERNAN, MICHAEL. "The Breaking of the Day," *Wolf*, Issue 1 (Winter 2009): 4-5.
- HEFFERNAN, MICHAEL. "Geometric," *Margie*, No. 8 (2009): 140-141.
- HEFFERNAN, MICHAEL. "Ancient Fathers," *Margie*, No. 8 (2009): 142.
- HEFFERNAN, MICHAEL. "Readings and Writing Poetry," *Poetry: Reading It, Writing It, Publishing It*, Jessie Lendennie, ed. Cliffs of Moher, Ireland: Salmon Poetry, 2009: 31-35.
- HEFFERNAN, MICHAEL. "The Beauty of the Poet," in *The Wild Braid* by Stanley Kunitz, On the Seawall (Website).
- JOLLIFFE, DAVID A. "Foreword: Tough Questions for Thoughtful Educators." *College Credit for Writing in High School: The Taking Care of Business*, eds. Kristine Hansen and Christine R. Farris. Urbana, IL: National Council of Teachers of English, 2010. vii-xiii.
- JOLLIFFE, DAVID A. "The Arkansas Delta Oral History Project: A Hands-On, Experiential Course in School-College Articulation." *Going Public: What Writing Programs Learn From Engagement*, eds. Shirley K. Rose and Irwin Weiser. Logan, UT: Utah State U P, 2010. 50-67.
- MADISON, ROBERT D. "CLAREl or cla-REL: Pronouncing Melville's Clarel. With Gordon M. Poole. *Leviathan: A Journal of Melville Studies* 12:1 (March 2010), 21-24.
- MCCOMBS, DAVIS. Five Poems in *What Comes Down to Us*, Ed. Jeff Worley, University Press of Kentucky, Fall 2009. "Tours," "Dismantling the Cave Gate," "Stephen Bishop's Grave," and "Cave Mummies." The title of the anthology is taken from one of his poems.
- QUINN, WILLIAM A. Review of Edward I. Condren's *Chaucer from Prentice to Poet* in *Arthuriana* 19 (2009): 71-72.

INVITED, REPRINTED, AND UNREFEREED PUBLICATIONS:

BERNHARD JACKSON, EMILY. Review of *Liberty and Poetic Licence: New Essays on Byron*, eds. Bernard Beatty, Tony Howe, and Charles E. Robinson. *The Byron Journal* 37.1 (2009).

BROCK, GEOFFREY. "And Day Brought Back My Night" (original poem) in *Seriously Funny: Poems About Love, God, War, Art, Sex, Madness, and Everything Else*, David Kirby and Barbara Hamby, eds. University of Georgia Press: Athens GA, Apr. 2010.

BROCK, GEOFFREY. "Summer" by Carlo Betocchi (translation) on *Poetry Daily* (www.poems.com), Don Selby and Diane Boller, eds., Mar. 16, 2010.

BROCK, GEOFFREY. "Death Will Come and Will Have Your Eyes" by Cesare Pavese (translation) in *The Ecco Anthology of International Poetry*, Ilya Kaminsky and Susan Harris, eds. Ecco: New York, Mar. 2010.

BROCK, GEOFFREY. "Flesh of John Brown's Flesh: Dec. 2, 1859" (original poem) in *The Mind's Eye: A Liberal Arts Journal*, Frances Jones-Sneed, ed. Massachusetts College of Liberal Arts: North Adams MA, Feb. 2010.

BROCK, GEOFFREY. "Daddy: 1933" (original poem) in *Pushcart Prize XXXIV: Best of the Small Presses* (2010 Edition)," Bill Henderson, et al, eds. Pushcart Press: Wainscott NY, Nov. 2009.

BROCK, GEOFFREY. "Monroe's Doctrine: Good Friday, 1865" (original poem) in *Alhambra Poetry Calendar 2010: 365 Classic and Contemporary Poems*, Shafiq Naz, ed. Alhambra Publishing: Belgium, Nov. 2009.

BROCK, GEOFFREY. "Winter Noon" by Umberto Saba (translation) in *Alhambra Poetry Calendar 2010: 365 Classic and Contemporary Poems*, Shafiq Naz, ed. Alhambra Publishing: Belgium, Nov. 2009.

BROCK, GEOFFREY. "And Day Brought Back My Night," in *The Swallow Anthology of New American Poets*, David Yezzi, ed. Swallow Press/Ohio University Press: Athens OH, Sept. 2009.

BROCK, GEOFFREY. "The Beautiful Animal," in *The Swallow Anthology of New American Poets*, David Yezzi, ed. Swallow Press/Ohio University Press: Athens OH, Sept. 2009.

BROCK, GEOFFREY. "Her Voice When She Is Feeling Weak," in *The Swallow Anthology of New American Poets*, David Yezzi, ed. Swallow Press/Ohio University Press: Athens OH, Sept. 2009.

BROCK, GEOFFREY. "The Last Dinner Party," in *The Swallow Anthology of New American Poets*, David Yezzi, ed. Swallow Press/Ohio University Press: Athens OH, Sept. 2009.

BROCK, GEOFFREY. "The Starvers," in *The Swallow Anthology of New American Poets*, David Yezzi, ed. Swallow Press/Ohio University Press: Athens OH, Sept. 2009.

BROCK, GEOFFREY. "Mezzo Cammin," in *The Swallow Anthology of New American Poets*, David Yezzi, ed. Swallow Press/Ohio University Press: Athens OH, Sept. 2009.

BROCK, GEOFFREY. "Homeland Security," in *The Swallow Anthology of New American Poets*, David Yezzi, ed. Swallow Press/Ohio University Press: Athens OH, Sept. 2009.

BROCK, GEOFFREY. "The Nights," in *The Swallow Anthology of New American Poets*, David Yezzi, ed. Swallow Press/Ohio University Press: Athens OH, Sept. 2009.

BROCK, GEOFFREY. "One Morning," in *The Swallow Anthology of New American Poets*, David Yezzi, ed. Swallow Press/Ohio University Press: Athens OH, Sept. 2009.

BROCK, GEOFFREY. "Diretto," in *The Swallow Anthology of New American Poets*, David Yezzi, ed. Swallow Press/Ohio University Press: Athens OH, Sept. 2009.

BURRIS, SIDNEY. "Auden's Generalizations," *Twentieth Century Literary Criticism* (TCLC-223), Gale Publishers. Scheduled to have appeared in October 2009 in the Gale anthology, this is a reprint of an article that originally appeared in *Shenandoah* (43.3, 1993) pp. 5-22.

CANDIDO, JOSEPH. "'Time Come Round': Plot Construction in *Julius Caesar*." Reprinted in *Shakespearean Criticism: Criticism of William Shakespeare's Plays and Poetry, from the First Published Appraisals to Current Evaluations*. Farmington Hills, MI: Thomson Gale, 2009. First appeared in "*Julius Caesar*": *Critical Essays*, ed. Horst Zander. London: Routledge, 2004.

HINRICHSEN, LISA. Review of Trudier Harris's *The Scary Mason-Dixon Line* (LSU Press, 2009) for *Callaloo* 32.4. Fall 2009. 1384-1386.

HINRICHSEN, LISA. Review of Louis Maistro's *The Sound of Building Coffins* (The Toby Press, 2009) for *Arkansas Review: A Journal of Delta Studies*. Vol 40. No. 2, August 2009. 159-160.

HINRICHSEN, LISA. "Vietnamese-American Literature." In *Asian American History and Culture: An Encyclopedia*. Ed. Huping Ling and Allan W. Austin. M.E. Sharpe. November 2009.

JOLLIFFE, DAVID A. Manning, C., Jolliffe, D., Hanson, M., and DeStefano, L. "Scoring Rubrics for Authentic Intellectual Achievement in Literacy." Bureau of Educational Research, University of Illinois AT URBANA-CHAMPAIGN: CHAMPAIGN, IL, 2009.

LECTURES AND READINGS:

BERNHARD JACKSON, EMILY. "Melancholy, Bloodsuckers, and Sex: The Evolution of the Byronic Hero," Romantic Realignments Seminar, Oxford University, 2010.

BERNHARD JACKSON, EMILY. "Sucking the Blood of Society: Byron and Culture," Wolfson College, Cambridge University, 2010 and Cambridge University Romanticism Seminar, 2010.

BROCK, GEOFFREY. Poetry Reading, Carthage College, Kenosha WI: May 5, 2010.

BROCK, GEOFFREY. Poetry Reading, AWP Conference, Denver CO: Apr. 8, 2010.

BROCK, GEOFFREY. Poetry Reading, Allegheny College, Meadville PA: Feb. 11, 2010.

BROCK, GEOFFREY. Poetry Reading, Ozark Writers Live, at the Fayetteville Public Library: Sept. 12, 2009.

CANDIDO, JOSEPH. Keynote Address: "Listening to Shakespeare" at the Arkansas Graduate/Undergraduate Conference on Literature, Rhetoric, and Composition. November 14-15, 2009, Henderson State University.

GILCHRIST, ELLEN. Ogden Museum of Art. New Orleans, LA. July 13, 2009.

GILES, MOLLY. "Nobody's Friend" Lecture at Squaw Valley Community of Writers, August, 5, 2009.

GILES, MOLLY. "Birthday Girl" Powells Bookstore, Portland, Oregon. October 1, 2009.

GILES, MOLLY. "A Tale of Calamity" Roundstone, Ireland, July 16, 2009.

GILES, MOLLY. Gave a reading and taught a fiction workshop as Visiting Writer at University of Eastern Washington in Spokane, WA March 4-6 2010

GILES, MOLLY. Will be giving a lecture to The California Writers' Club in Berkeley, CA on June 20, 2010.

GRAY, LAURA. "Creative Writing and Literacy," for Office of National Minister of Education, Belize City, Belize, 27 May 2010.

GRAY, LAURA. Teacher Training Seminar, Stann Creek District, Dangriga, Belize, 30, May 2010.

GRAY, LAURA. POWA Seminar, Encouraging Family Literacy, 2 June 2010.

GRAY, LAURA. "Development Theory and Our Approach in the Belize Program," Fayetteville, AR, 10 May, 2010.

GRAY, LAURA. "Language, Culture and Education in the Stann Creek District." Fayetteville, AR, 10, May 2010.

JOLLIFFE, DAVID A. “A Tale of Two Tests—the ACT Reading Exam and the Grade 11 Literacy Exam in Arkansas: Is the Right Tail Wagging the Dog?” 17th Annual Mary E. Benjamin Conference on Educational Access, University of Arkansas at Pine Bluff, April 29, 2010.

JOLLIFFE, DAVID A. I was the keynote speaker (“Reading and Writing Throughout the Curriculum”) at the year-opening workshop for teachers in the Racine, WI, school district on August 27.

JOLLIFFE, DAVID A. I led a workshop (“Developing Community Literacy Initiatives”) for the National Writing Project at West Virginia University on August 29.

JOLLIFFE, DAVID A. I was the keynote speaker (“The Reading Transition from High School to College”) at the University of Wyoming’s Learning Institute Conference on September 12.

JOLLIFFE, DAVID A. I delivered a paper (“How Arkansas High School Teachers Teach Literature”) at the Arkansas Curriculum Conference in Little Rock on November 6.

KAHF, MOHJA. Arab American Muslim Woman: Balancing Act” – Syracuse University, Syracuse New York, Sept. 17, 2009

KAHF, MOHJA. “Beyond the Pity Committee: The Discourse on Musliim Women,” Franklin & Marshall College, Lancaster, PA, Oct. 28 4:30pm

KAHF, MOHJA. Poetry reading, Franklin & Marshall College, Lancaster, PA, Oct. 28 8pm

KAHF, MOHJA. Talk and reading, Reconstructionist Rabbinical College, Philadelphia PA, Oct. 30, 2009, 9am.

KAHF, MOHJA. Poetry reading, The Schomburg Center for Black Culture, Harlem (NYC), NY, Oct. 30, 2009, 7pm.

MCCOMBS, DAVIS. Visiting Poet. Entre College, Danville, Kentucky. October 5, 2009. Audience: 75-100. Gave reading and taught workshop to creative writing.

Geosciences

REFEREED PUBLICATIONS:

Beylich, A., Lamoureux, S.F., decaulne, A., Dixon, J.C., Orwin, J., Overeem, I. Sauemundsson, T., Warburton, J., Zwolinski, Z., 2010, Sedimentary fluxes in cold environments. Geografiska Annaler.

Brahana, J. Van, 2009, *The Savoy Experimental Watershed – A long-term research site for karst hydrogeology*: in Palmer, A.N., *Caves and Karst of the USA*, National Speleological Society Guidebook for the International Congress of Speleology, section 5-Ozark Plateaus, p.24.

Brahana, Van, Ralph Davis, Phillip D. Hays and Kenneth F. Steele, 2009, *Flow characterization from epikarst and shallow bedrock springs across a range of hydrologic conditions, Savoy Experimental Watershed, Ozark Region, USA*: International Congress of Speleology Proceedings.

Brahana, John Van, Rodney Tennyson, Jim Terry, P.D. Hays, Erik Pollock, 2009, *Reactivated basement faulting as a hydrogeologic control of hypogene speleogenesis in the southern Ozarks of Arkansas, USA*: in Stafford, Kevin, ed., *Advances in Hypogene Karst Studies*, National Cave and Karst Research Institute Symposium 1, p. 99-110.

Brion, G., K. Brye, B. Haggard, C. West and V. Brahana, 2009, *Land-use effects on water quality of a first-order stream in the Ozark-Highlands, mid-southern United States*: River Research and Applications, 37 p.

Casana, J. and J. Cothren, 2009, *Stereo Analysis, DEM Extraction, and Orthorectification of CORONA Satellite Imagery: Archaeological Applications from the Near East*, Antiquity, Volume 82, Number 217, pp. 732-749.

Coleman, K.A., J. C. Dixon, K. Howe, L. Roe, and V. Chevrier, 2009, *Experimental simulation of Martial gully forms*, Planetary and Space Sciences, 57, 726-731.

Correa-Mora, F., C. DeMets, D. Alvarado, H.L. Turner and G. Mattioli, D. Hernandez, C. Pullinger, M. Rodriguez, and C. Tenoria, 2009, Evidence for weak coupling of the Cocos plate subduction interface and strong coupling of volcanic arc faults from modeling of GPS data: El Salvador and Nicaragua, *Geophys. J. Int.* 179, 1279-1291.

Cothren, J. and B. Schaffrin, 2010, Comparison of Error Propagation in Block Orientation. International Society of Photogrammetry and Remote Sensing 2010. Conference, Vienna, Austria May 2010.

Dauphas, N., A. Poumand and F.-Z. Teng, 2009, *Routine isotopic analysis of iron by HR-MC-ICPMS: How precise and how accurate?* *Chemical Geology*, 267, 175-184.

Dautermann, T., E. Calais and G.S. Mattioli, 2009, GPS detection and energy estimation of the ionospheric wave caused by the July 13th, 2003 explosion of the Soufriere Hills volcano, Montserrat, *J. Geophys. Res.*, 114, B02202, doi: 10.1029/2008JB005722.

Dautermann, T., E. Calais, P. Lagnonne, and G.S. Mattioli, 2009, Lithosphere-Atmosphere-Ionosphere coupling after the 2003 explosive eruption of the Soufriere Hills volcano, Montserrat, *GEophys. J. Int.* 179, 1537-1546.

Dixon, J.C., 2009., *Aridic soils, patterned ground and desert pavements*, Parsons, A. and Abrahams, A.D. (eds.) *Geomorphology of Desert Environments* 2nd edition, London, Springer 101-122.

Hausmann, S. and R. Pienitz, 2009, *Seasonal water chemistry and diatom changes in six boreal lakes of the Laurentian Mountains (Quebec, Canada): impacts of climate and timber harvesting*, *Hydrobiologia*, 635, 1-14.

Hays, P, 2009, *The thermal springs of Hot Springs National Park, Arkansas – geochemistry and the influence of locally derived recharge*, *Hydrogeology Journal*.

Hollingsworth, E., V. Brahana, E. Inlander and M. Slay, 2009, *Creation of an international digital karst database and an interactive worldwide map of karst: International Congress of Speleology Proceedings*.

Jensen, J.R., M.E. Hodgson, M. Carcia-Quijano, J. Im and J.A. Tullis, 2009, *Remote Sensing and GIS-assisted Spatial Decision Support System for Hazardous Waste Site Monitoring*, *Photogrammetric Engineering and Remote Sensing* 75(2):169-177.

Kresse, T. and P.D. Hays, 2009, *Geochemistry, comparative analysis, and physical and chemical characteristics of the thermal waters east of Hot Springs National Park*, USGS Science Investigations Report 2009-5263, 48 p.

LaFemina, P., T.H. Dixon, R. Govers, E. Norbuina, H.L. Turner, A. Saballos, G.S. Mattioli, M. Protti and W. Strauch, 2009, *Forearc motion and Cocos Ridge collision in Central America*, *Geochemistry, Geophysics, Geosystems (G3)*, Volume 10, Number 5, doi: 10.1029/2008GC002181.

Laperriere, L., R. Pienitz, M.A. Fallu, S. Hausmann and D. Muir, 2009, *Impact de l'activite miniere et des eaux use sur la santé du lac Dauriat a Schefferville: donnees paleolimnologiques*, *Le Naturaliste Canadian* (133) 2, 83-95.

Paradise, T.R. (2010-2011) *Illustrated Atlas of Arkansas*, Butler Center Publishing with the Institute of Arkansas Studies, in collaboration with the University of Arkansas' Diane Blair Center.

Paradise, T.R., 2009, *Earthquakes, Islam and Risk Perception – A Case Study from Agadir, Morocco*, *Studies in Disasters and Gender*, Northumbria University: 29pp.

Paradise, T.R. (2008-2009) *Earthquakes and Islam: Case Studies from Morocco*, *Journal of Islamic Law and Culture*, v. 6(3): 167-180.

Payne, A., K. Cole, K. Simon, C. Goodmaster, F. Limp, J. Cothren, 2009, *Designing the Next Generation Virtual Museum: Making 3D Artifacts Available for Viewing and Download*.

Proceedings of the 37th Annual Conference on Computer Applications and Quantitative Methods in Archaeology CAA 2009. Making History Interactive. March. Williamsburg VA.

Richter, F.M., N. Dauphas and F.-Z. Teng, 2009 *Non-traditional fractionation of non-traditional isotopes: Evaporation, chemical diffusion and Soret diffusion*, Chemical Geology, 258, 92-103.

Riggins, J., J.A. Tullis and F. M. Stephen, 2009, Per-segment Aboveground Forest Biomass Estimation Using LIDAR-derived Height Percentile Statistics, GIScience and Remote Sensing 46(2):232-248.

Sauer, T.J., W.K. Coblenz, S.L. DeFauw, K.R. Brye, D.K. Brauer, J.V. Skinner, A.L. Thomas, J.V. Brahana, P.D. Hays, D.C. Moffitt, J.L. Robinson, T.A. James and K.A. Hickie, 2009, *Nutrient cycling in a hardwood-forage alley cropping system receiving poultry litter or inorganic fertilizer*. Plant and Soil, 39 p.

Schill, S.R., D. Rundquist, A. Filippi, K. Kvamme, J. Cothren and J.A. Tullis, 2009, In situ Sensors and Field Methods, in Manual of Remote Sensing: Earth Observing Platforms and Sensors (M.W. Jackson, editor), 3rd Ed., Vol 1.1, Silver Springs, MD: American Society of Photogrammetry and Remote Sensing, 520 pages.

Seager, R., M. Ting, M. Davis, M. Cane, N. Naik, J. Nakamura, C. Li, E. Cook and D.W. Stahle, 2009, *Mexican drought: An Observational, Modeling and Tree Ring Study of Variability and Climate Change*. Atmosfera 22(1):1-31.

Smallwood, S., A. Payne, K. Simon, C. Goodmaster, F. Limp and J. Cothren, 2009, *Lighting Systems in Three Dimensional Non-Contact Digitizing*. Proceedings of the 37th Annual Conference on Computer Applications and Quantitative methods in Archaeology CAA 2009. Making History Interactive. March. Williamsburg VA.

Stahle, D.W., E.R. Cook, J. Villanueva Diaz, F.K. Fye, D.J. Burnette, R.D. Griffin, R. Acuna Soto, R. Seager and R.R. Heim Jr., 200, *Early 21st Century Drought in Mexico*. Eos 90(11):89-90.

Stahle, D.W., M.K. Cleaveland, H. Frissino-Mayer, R.D. Griffin, F.K. Fye, M.D. Therrell, D.J. Burnette, D.M. Meko and J. Villanueva Diaz, 2009, *Cool and warm season precipitation reconstruction over western New Mexico*. Journal of Climate 22:3729-3750.

Teng, F.-Z., R.L. Rudnick, W.F. McDonough and F.-Y. Wu, 2009, *Lithium isotopic systematic of A-type granites and their magic enclaves: Further constraints on the Li isotopic composition of the continental crust*, Chemical Geology, 262, 415-424.

Thorn, C.E., R.G. Darmody, J. Holmqvist, A.J.T. Jull, J.C. Dixon and P. Schlyter, 2009, *Comparison of radiocarbon dating of buried paleosols using arbuscular Mycorrhizae spores and bulk soil samples*, The Holocene, 19, 1031-1037.

Tullis, J.A. and J.M. Defibaugh y Chavez, 2009, Scale Management and Remote Sensor Synergy in Forest Monitoring, *Geography Compass* 3(1):154-170.

Tullis, J.A., J.S. Jones, J.M. Guldin, F.M. Stephen, B. Culpepper and P. Smith, 2009, Integrated Remote Sensing-assisted Decision Support for Red Oak Borer Hazard Response, AAG 2009 Annual Meeting, 22-27 March, 2009, Las Vegas, NV.

Voight, B., C. Widiwijayanti, G.S. Mattioli, D. Wlsworth, and D. Hidayat, 2010, Magma sponge hypothesis and statovolcanoes: the case for a compressible reservoir and quasi-steady deep influx at Soufreire Hills volcano, Montserrat. *Geophys. Res. Lett.*, Special Section on Montserrat, 37.

Warn, S., W. Emeneker, J. Cothren, A/ Apon, 2009, *Accelerating SIFT on Parallel Architectures*. IEEE Cluster 2009 Proceedings. New Orleans, LA. Aug 31 – Sept 4.

Yang, W., F.-Z. Teng and H.-F. Zhang, 2009, *Chondrite magnesium isotopic composition of the terrestrial mantle: A case study of peridotite xenoliths from the North China craton*, *Earth and Planetary Science Letters*, 288, 475-482.

Zachry, D. and W. Manger, 2009, *Morrowan stratigraphy of the central Boston mountains of Arkansas, A field guide*: AAPG Midcontinent meeting, Tulsa, OK.

History

BOOKS:

Robert Finlay, *The Pilgrim Art: Cultures of Porcelain in World History* (Berkeley: University of California Press, 2010).

Elizabeth Markham, et al, eds., Laurence E.R. Dicken and the musical oeuvre of the twelfth century Chinese poet and musician Jiang Kui (a boxed CD-with three scholarly volumes in traditional Chinese for the scholar and connoisseur).

Elizabeth Markham. (with other editors) *Music from the Tang Court 2: A primary study of the original, unpublished, Sino-Japanese manuscripts, together with a survey of relevant historical sources, both Chinese and Japanese, and a full critical commentary* (Cambridge: Cambridge University Press, 1985); paperback edition 2009.

Elizabeth Markham. (with other editors) *Music from the Tang Court 3: A primary study of the original, unpublished, Sino-Japanese manuscripts, together with a survey of relevant historical sources, both Chinese and Japanese, and a full critical commentary* (Cambridge: Cambridge University Press, 1985); paperback edition 2009.

Elizabeth Markham. (with other editors) *Music from the Tang Court 4: A primary study of the original, unpublished, Sino-Japanese manuscripts, together with a survey of relevant historical sources, both Chinese and Japanese, and a full critical commentary* (Cambridge: Cambridge University Press, 1987); paperback edition 2009.

Elizabeth Markham. (with other editors) *Music from the Tang Court 5: A primary study of the original, unpublished, Sino-Japanese manuscripts, together with a survey of relevant historical sources, both Chinese and Japanese, and a full critical commentary* (Cambridge: Cambridge University Press, 1990); paperback edition 2009.

Michael Pierce, *Striking with the Ballot: Ohio Labor and the Populist Party* (Northern Illinois University Press, 2010).

Richard Sonn, *Sex, Violence and the Avant-Garde: Anarchism in Interwar France* (Penn State University Press, 2010).

Tricia Starks and Matthew P. Romaniello (eds.), *Tobacco in Russian History and Culture: From the Seventeenth Century to the Present* (London: Routledge, 2009).

Daniel Sutherland, *A Very Violent Rebel: Civil War Diary of Ellen Renshaw House* (University of Tennessee Press, 1996). Paperback edition, 2009.

Rembrandt Wolpert, et al, eds., *Laurence E.R. Dicken and the musical oeuvre of the twelfth-century Chinese poet and musician Jiang Kui (a boxed CD-with three scholarly volumes in traditional Chinese for the scholar and connoisseur)*.

Rembrandt Wolpert. and D.R. Widdess, eds., *Music and Tradition: Essays on Asian and other musics presented to Laurence Picken* (Cambridge: Cambridge University Press, 1983); paperback edition 2009.

Rembrandt Wolpert. (with other editors) *Music from the Tang Court 2: A primary study of the original, unpublished, Sino-Japanese manuscripts, together with a survey of relevant historical sources, both Chinese and Japanese, and a full critical commentary* (Cambridge: Cambridge University Press, 1985); paperback edition 2009.

Rembrandt Wolpert. (with other editors) *Music from the Tang Court 3: A primary study of the original, unpublished, Sino-Japanese manuscripts, together with a survey of relevant historical sources, both Chinese and Japanese, and a full critical commentary* (Cambridge: Cambridge University Press, 1985); paperback edition 2009.

Rembrandt Wolpert. (with other editors) *Music from the Tang Court 4: A primary study of the original, unpublished, Sino-Japanese manuscripts, together with a survey of relevant historical sources, both Chinese and Japanese, and a full critical commentary* (Cambridge: Cambridge University Press, 1987); paperback edition 2009.

Rembrandt Wolpert. (with other editors) *Music from the Tang Court 5: A primary study of the original, unpublished, Sino-Japanese manuscripts, together with a survey of relevant historical sources, both Chinese and Japanese, and a full critical commentary* (Cambridge: Cambridge University Press, 1990); paperback edition 2009.

BOOKS/PROJECTS UNDER CONTRACT:

JOURNAL ARTICLES:

Andrea Arrington, "Interference or Intervention?: A Historical Consideration of Government Involvement in Tourism Development around Victoria Falls," *Development Southern Africa*, Special Volume: Tourism, Fall 2009.

Benjamin Grob-Fitzgibbon, "Securing the Colonies for the Commonwealth: Counterinsurgency, Decolonization, and the Development of British Imperial Strategy in the Postwar Empire," *British Scholar* 2, no. 1 (September 2009): 12-39.

Daniel Sutherland, "The Savage War," *North & South* 11 (August 2009): 68-76.

Jeannie Whayne, "Black Farmers in the Red Autumn: A Review Essay," *Arkansas Historical Quarterly* 68 (Autumn 2009): 327-336.

Rembrandt Wolpert, "Táng music theory of ritual calendrical transposition applied," *CHIME* 18/19, Leiden Foundation for Chinese Music Research, 2010.

CHAPTERS IN EDITED VOLUMES:

Alessandro Brogi, "Fanfani and American Unilateralism in the Mediterranean," in *Fanfani e la politica estera*, eds. Agostino Giovagnoli and Luciano Tosi (Venice: Marsilio, 2010).

Alessandro Brogi. "France, Italy, the Communists, and Prague Spring," in *The Prague Spring and the Warsaw Pact Invasion of Czechoslovakia in 1968*, eds. Günter Bischof, Peter Ruggenthaler, Stefan Karners (Lanham, MD: Rowman and Littlefield, Inc., 2009).

Elizabeth Markham, "Chinese Hymns in Japanese Buddhist Liturgy: Structure and Ornament," in *Medieval Sacred Chant: From Japan to Portugal*, ed. Manuel Pedro Ferreira (Lisbon: Edições Colibri, 2008), 11-37. Released in 2009.

Kathryn Sloan, "Defiant Daughters and the Emancipation of Minors in Nineteenth-Century Mexico," in *Girlhood: A Global History*, eds. Jennifer Helgren and Colleen Vasconcellos (New Brunswick, NJ: Rutgers University Press, 2010).

Tricia Starks, "Workers' Bodies in the Workers' State: Prophylaxis and the Construction of Worker Identity," in *The Making of Russian History: Society, Culture, and the Politics of Modern Russia (Essays in Honor of Alan K. Wildman)* eds. John W. Steinberg and Rex A. Wade (Bloomington, IN: Slavica, 2009).

Tricia Starks. "Tabak: An Introduction," co-authored with Matthew P. Romaniello, in *Tobacco in Russian History and Culture*, eds. Starks and Romaniello (London: Routledge, 2009), 1-8.

Tricia Starks. "Papirosy, Smoking, and the Anti-Cigarette Movement," in *Tobacco in Russian History and Culture*, eds. Starks and Romaniello (London: Routledge, 2009), 132-47.

Rembrandt Wolpert, “The waves of Kokonor” and “Wang Zhaojun” on the CD *Tomoko Sugawara—Along the silk road: Ancient and modern music for the Kugo* (Musical material has been transcribed for the harp kugo from R.F. Wolpert (1981) “Tang-music (Tôgaku) manuscripts for lute and their interrelationships,” In *Music and Tradition: Essays on Asian and Other Musics Presented to Laurence Pickens*, edited by D.R. Widdess and R.F. Wolpert, Cambridge University Press, pp. 69-121. MTM-31. New York: Motema Music.

NON-REFEREED CREATIVE ENDEAVORS/PUBLICATIONS:

Elizabeth Markham, with R. Wolpert, *NeumeScribe*. Suite of programs and macro packages to compile encoded Sino-Japanese vocal notation (“neumes”) into printed representations of neumes.

Rembrandt Wolpert, *Demystifying the Golden-Age artistry of qin music*, Program for Hong Kong University Qin Project concert, March 2009.

Rembrandt Wolpert. *A Concert of Táng melodies transcribed from historical sources*, Program for Shanghai Conservatory of Music, public concert on April 24, 2009.

Rembrandt Wolpert with Elizabeth Markham, *NeumeScribe*. Suite of programs and macro packages to compile encoded Sino-Japanese vocal notation (“neumes”) into printed representations of neumes.

ENCYCLOPEDIA ENTRIES:

Andrea Arrington, “Europe and Europeans in Africa,” and “Environmentalism in Africa” *Oxford Encyclopedia of African Thought* (Oxford: Oxford University Press, 2010).

Alessandro Brogi, “Anti-Americanism,” *Dictionary of Twentieth-Century Communism*, eds. Silvio Pons and Robert Service (Princeton: Princeton University Press, 2010).

Liang Cai, “Social Structures of Warring States” and “Social Structures of Han China” *World History Encyclopedia*, ed. Alfred J. Andrea (Santa Barbara, CA: ABC-CLIO, 2010).

Joel Gordon, “Ali Amin,” “Farid al-Atrash, Hasan al-Banna,” “Abd al-Halim Hafiz,” “Sayyid Mari,” “Khalid Muhyi al-Din,” “Layla Murad,” “Gamal Abd al-Nasser,” “Ali abri,” “Salah Salim,” “Omar Sharif,” “Tharwat Ukasha,” “Yusuf Wahbi,” *Dictionary of African History*, eds. Henry Louis Gates and Emmanuel Akyeampong (Oxford: Oxford University Press, 2010).

Daniel Sutherland, “Culpepper County” and “Guerrilla Warfare” in *Encyclopedia Virginia*, eds. Matthew Gibson et al. (Charlottesville: Virginia Foundation for the Humanities, 2009).

Daniel Sutherland. “Guerrilla Bands” in *New Encyclopedia of Southern Culture*, vol. 22 edited by James G. Thomas, Jr. et al. (Chapel Hill: University of North Carolina Press, 2010).

BOOK REVIEWS:

Alessandro Brogi, Review of Silvio Pons, *Berlinguer e la fine del comunismo* (Turin: Einaudi, 2006) and Simona Tobia, *Advertising America: The United States Information Service in Italy (1945-1956)* (Milan: LED, 2008) in *The Journal of Cold War Studies*, April 2010.

Liang Cai, Review of Philippe Foret and Andreas Kaplony, eds., *The Journey of Maps and Images on the Silk Road* in the *International Journal of Middle East Studies* 42 (2010): 323-4.

Lynda Coon, Review of John Howard, *Concentration Camps on the Home Front: Japanese Americans in the House of Jim Crow* (Chicago: University of Chicago Press, 2008), in the *Arkansas Historical Quarterly* 69 (2010): 73-74.

Robert Finlay, Review of Stewart Gordon, *When Asia Was the World* (New York: Da Capo Press, 2007) in the *International Journal of Middle East Studies* 41, no. 3 (August 2009): 528-30.

Joel Gordon, Review of *Iranophobia: The Logic of an Israeli Obsession* (Stanford: Stanford University Press, 2009) in *Dawn* (Karachi), August 23, 2009, 1.

Joel Gordon. Review of Christopher Stone, *Popular Culture and Nationalism in Lebanon: The Fairouz and Rahbani Nation* (Routledge, 2007) in the *Review of Middle East Studies* 43, no. 1 (2009): 134-5.

Joel Gordon. Review of Heather Sharkey, *American Evangelicals in Egypt: Missionary Encounters in an Age of Empire* (Princeton, 2008) in the *International Journal of African Historical Studies* 42, no. 2 (2009): 328-30.

Michael Pierce, Review of Joseph B. Atkins, *Covering for the Bosses: Labor and the Southern Press* (University Press of Mississippi, 2008), in the *Journal of Southern History* 76 (February 2010): 200-201.

Beth Schweiger, Review of Frank Byrne, *Becoming Bourgeois: Merchant Culture in the South, 1820-1865* (University Press of Kentucky, 2007), in the *Arkansas Historical Quarterly* 68 (Autumn 2009): 340-3.

Kathryn Sloan, Review of Stephanie Smith, *Gender and the Mexican Revolution: Yucatan Women and the Realities of Patriarchy* (University of North Carolina Press, 2009) for H-Latam Reviews, November 2009, <http://www.h-net.org/reviews/showrev.php?id=24998>.

Tricia Starks, Review of Jennifer Scanlon, *Bad Girls Go Everywhere: The Life of Helen Gurley Brown* (Oxford: Oxford University Press, 2009), in the *Arkansas Historical Quarterly* 69 (Spring 2010), 74-76.

Jeannie Whayne, Review of Margaret Bolsterli, *During the Wind and Rain: The Jones Family Farm in the Arkansas Delta, 1848-2006* (University of Arkansas Press, 2008) in *Agricultural History*.

Jeannie Whayne. Review of Joe L. Coker, *Liquor in the Land of the Lost Cause: Southern White Evangelicals and the Prohibition Movement* (University Press of Kentucky, 2007) in *Louisiana History*.

Calvin White, Jr., Review of Heather J. Sharkey, *American Evangelicals in Egypt: Missionary Encounter in an Age of Empire* (Princeton University Press, 2009) in the *International Journal of Middle East Studies*.

Patrick Williams, Review of Kyle G. Wilkison, *Yeomen, Sharecroppers, and Socialists: Plain Folk Protest in Texas, 1870-1914* (Texas A&M Press, 2009) in *Agricultural History*.

Journalism

ARTICLES PUBLISHED/REFEREED JOURNALS:

Schulte, Bret. “The Silver Lining of Trouble,” (November 2009) *U.S. News & World Report*.

Schulte, Bret. “The Distribution Revolution,” (Winter 2009) *American Journalism Review*.

Schulte, Bret. “Against the Grain,” (profile on Walter E. Hussman) (Spring 2010) *American Journalism Review*.

Schulte, Bret. “Looking Up (Media revenue from digital advertising),” (Summer 2010) *American Journalism Review*.

OTHER LECTURES, PAPERS, AND ORAL PRESENTATIONS:

Fosu, Ignatius

Wicks, Jan LeBlanc; Warren, Ron; Fosu, Ignatius; and Wicks, Robert. “What’s on the Menu in Food Advertising on Child-Rated Television Programs? The Types of Disclaimers, Emotional Appeals and Production Techniques Airing in Food Advertising in 2008.” Presented at the Association for Education in Journalism and Mass Communication (AEJMC) convention (August 2009).

Wicks, Jan

Wicks, Jan LeBlanc; Warren, Ron; Fosu, Ignatius; and Wicks, Robert. “What’s on the Menu in Food Advertising on Child-Rated Television Programs? The Types of Disclaimers, Emotional Appeals and Production Techniques Airing in Food Advertising in 2008.” Presented at the Association for Education in Journalism and Mass Communication (AEJMC) convention (August 2009).

CREATIVE ENDEAVORS SUCH AS DOCUMENTARIES, RECITALS, CONCERTS, SHOWS, PERFORMANCES AND COMPARABLE ACTIVITIES:

Carpenter, Dale

“Sacred Spaces: The Architecture of E. Fay Jones.” 60-minute video documentary. Statewide broadcast by AETN, Spring 2010. Editor.

Foley, Larry

“Sacred Spaces: The Architecture of E. Fay Jones.” 60-minute video documentary. Co-producer, writer. Statewide broadcast by AETN, Spring 2010. Co-producer.

“The Buffalo Flows.” 60-minute video documentary distributed by PBS for October 2009 primetime national broadcast, PBS national program service. (Produced in 2008) Foley is writer and producer.

“John McDonnell: The Greatest Coach Ever.” 30-minute video documentary. Statewide broadcast by AETN, Spring 2010. Co-producer, video editor. Produced for the University of Arkansas.

Gerald Jordan

Assigning Editor, *Philadelphia Inquirer*:

June – August 2009. City Desk, New Jersey Desk, Pennsylvania Desk, National/Foreign Desk. Assigned, presented in news meetings, breaking news and enterprise stories from the aforementioned sections.

Purvis, Hoyt

“Arkansas Week” weekly political discussion television program. Panelist/commentator. Broadcast on PBS/AETN.

Mathematical Sciences**BOOKS:**

G. Petris, S.Petrone, and P.Campagnoli. "Dynamic Linear Models with R" Springer, 2009.

CHAPTERS:

Dingman, S. (2010). Curriculum alignment in an era of standards and high-stakes testing. In B. J. Reys & R. E. Reys (Eds.) *The K-12 mathematics curriculum: Issues, trends, and future directions (NCTM's 72nd yearbook)* (pp. 103-114). Reston, VA: NCTM.

REFEREED ARTICLES:

Fologea, Daniel; Krueger, Eric; Lee, Rachel; Mazur, Yuriy; Henry, Ralph; **Arnold, Mark**; Salamo, Gregory *Journal of the American Chemical Society*, “Conformational Changes of Lysenin Channels Induced by Multivalent Ions.”

Capogna, Luca; Citti, Giovanna; Manfredini, Maria. Regularity of non-characteristic minimal graphs in the Heisenberg group \mathbb{H}^1 . (English) *Indiana Univ. Math. J.* 58, No. 5, 2115-2160 (2009).

Capogna, Luca; Citti, Giovanna. Generalized mean curvature flow in Carnot groups. (English) *Commun. Partial Differ. Equations* 34, No. 8, 937-956 (2009).

Reys, R., Cox, D., **Dingman, S.**, & Newton, J. (2009). Transitioning to careers in higher education: Reflections from recent Ph.D.'s in mathematics education. *Notices of the American Mathematical Society*, 56(9), 1098-1103.

Goodman-Strauss, C., "Can't Decide? Undecide!" *Notices of the American Mathematical Society*, Volume 57, March 2010, 343-356.

Goodman-Strauss, C., "A hierarchical strongly aperiodic set of tiles in the hyperbolic plane" *Theoretical Computer Science*, Volume 411, 28 February 2010, Pages 1085-1093

P. S. Harrington, "Sobolev Estimates for the Cauchy-Riemann Complex on C^1 Pseudoconvex Domains", *Math. Z.* 262 (2009), 199-217.

Barrett, D. E. and **Lanzani L.**, The Leray transform on weighted boundary spaces for convex Reinhardt domains, *J. Funct. Analysis*, to appear; Koenig, K. and Lanzani, L. Bergman vs. Szegő via Conformal Mapping, *Indiana Univ. Math. J.* 58, no. 2 (2009), 969-997.

Bogess, A. and **Raich, Andrew.** "A Simplified Calculation for the Fundamental Solution to the Heat Equation on the Heisenberg Group", *Proc. Amer. Math. Soc.* 137:937-944, 2009.

Rieck, Yo'av; Yamashita, Yasushi. Finite planar emulators for $K_{4,5}$ - K_2 and $K_{1,2,2,2}$ and Fellows' conjecture. *European J. Combin.* 31 (2010), no. 3, 903--907.

Rieck, Yo'av; Rubinstein, J. Hyam. Invariant Heegaard surfaces in manifolds with involutions and the Heegaard genus of double covers. *Communications in Analysis and Geometry*, Volume 17, Number 5, 851–901, 2009

Tsuyoshi Kobayashi; **Yo'av Rieck**, Manifolds admitting both strongly irreducible and weakly reducible minimal genus Heegaard splittings. *Communications in Analysis and Geometry*, Volume 17, Number 4, 637–649, 2009

Schein, Boris. (July, 2009). *The Odyssey of*. *Notes on Jewish History*, no. 11(114).

Jung, J., **Song, J. J.**, and Kwon, D. (2009), "Allelic based gene-gene interaction in Rheumatoid Arthritis", *GAW16 BMC Proceedings*, 3:(Suppl 7):S76.

Song, J. J., Yu, P., Ren, Y., and Chung, M.-H. (2009), "Correspondence Analysis for Studying Geography and Cancer", *Journal of the Korean Data and Information Science Society*, 20, 919-924.

Song, J. J., Ren, Y., and Yan, F. (2009), "Classification for High-throughput Data with an Optimal Subset of Principal Components", *Computational Biology and Chemistry*, 33, 408-413.

UNREFEREED PUBLICATIONS, PROCEEDINGS:

Dingman, Shannon. Two publications and co-authorship of textbook during the 2009-10 academic year.

Luecking, Daniel. Updates to mfpic software, versions 1.00 (major revision) and 1.01 through 1.05 (bugfixes). Corresponding updates in the manual (89 pages), technical specs (101 pages and 146 pages) and a tutorial (26 pages).

Madison, B. L., Boersma, S., Diefenderfer, C. L., & **Dingman, S. W.** (2009). *Case studies for quantitative reasoning: A casebook of media articles (Second edition)*. Pearson Custom Publishing, Boston, MA.

Schein, Boris. (July, 2009). *The Odyssey of*. Notes on Jewish History, no. 11(114). Unknown

INVITED LECTURES:

Brewer, Dennis. Keynote speaker, "Mathematical Genealogy," Graduate Research Opportunities Forum, March 4, 2010; Banquet speaker, "Exploring Connections," Crop, Soil, and Environmental Science Spring Awards Banquet, April 8, 2010; Invited talk, "Research and Ethics," Dinner and Dialogue Summer Series, May 18, 2010.

Capogna, Luca. Colloquium, University of Bologna, June 2010; Convegno Analisi Armonica, Gargnano, June 2010; Mapping Theory in Non-Euclidean Spaces, Bern, May 2010; Colloquium, University of Cincinnati, April 2010; Bologna, September 2009.

AMS Fall Eastern Sectional Meeting, Penn State. Special Session on Heat Kernel Analysis Oct. 24-25, 2009; MASS Colloquium at Penn State Oct. 22, 2009.

Lanzani, Loredana. Invited Analysis Seminar Speaker, Brown University, April 2010; Invited Plenary Speaker, Workshop on Geometric Analysis of Several Complex Variables and its Interactions, Marrakech (Morocco), May 2010; Invited Plenary Speaker, Workshop on Harmonic Analysis and Applications, Gargnano (Italy), June 2010; CRM Pisa (Italy), summer 2010.

Luecking, Dan. Southeastern Analysis Meeting (SEAM XXVI), March 2010, at Georgia Tech: "Interpolation in Bergman spaces with linear restriction on values."

Goodman-Strauss, Chaim. *What is Symmetrical*, plenary lecture, Symmetry, Budapest, August 2009. Two plenary talks, *Multidimensional Subshifts*, CIRM, Marseille, Feb 2010. Colloquium, Univ. Luminy, Marseille, May 2010. Colloquium, Univ. Provence, Marseille, May 2010. Plenary talk, SIGMAP, Oaxaca, June 2010.

Harrington, Phillip S. "Global Regularity for the $\bar{\partial}$ -Neumann Operator", The $\bar{\partial}$ -Neumann Problem: Analysis, Geometry and Potential Theory, Erwin Schrodinger Institute, November 2009. "Global Regularity for the Bergman Projection", Several Complex Variables Seminar, Texas A+M University, March 2010. "Analysis on Corners", Colloquium, University of Arkansas at Fort Smith, February 2010.

Madison, B. L., & Dingman, S. W. (2010, March). *Quantitative reasoning: Habits and hurdles*. Invited presentation at the Joint MAA of Oklahoma and Arkansas annual meeting, Siloam Springs, AR.

Petris, Giovanni. "Sequential Monte Carlo for Transdimensional Bayesian Inference," Los Alamos National Laboratory, November 2009. "Sequential Monte Carlo for Transdimensional Bayesian Inference," University of New Mexico, November 2009.

Raich, Andrew. (a) "Heat kernel decay via the Fourier transform", Spectral Theory of Operators in Analytic Functions Spaces. Centre International de Recontres Mathematique, Marseilles, France, April 2010. (b) "Closed range of $\bar{\partial}_b$ on CR-manifolds of hypersurface type", The $\bar{\partial}$ -Neumann Problem: Analysis, Geometry and Potential Theory. International Erwin Schrodinger Institute for Mathematical Physics, Vienna, Austria, Nov. 2009. (c) "Applying for academic jobs in the mathematical sciences", Graduate Student Seminar, University of Arkansas, March 2010. (d) "The $\bar{\partial}_b$ -heat kernel on quadric manifolds", Mathematics Colloquium, Georgetown University, Oct. 2009.

Rieck, Yo'av. Nihon University (Tokyo, Japan); Caltech.

Schein, Boris. (1) May 6, 2009. *Transitive semigroups of transformations*. Invited 1 hr. colloquium talk at the Ben-Gurion University of the Negev, Be'er-Sheva, Israel. (2) May 13, 2009. *Semigroups of cosets*. Invited 1 hr. colloquium talk at the Bar-Ilan University, Ramat Gan, Israel,

OTHER LECTURES, PAPERS, ORAL PRESENTATIONS:

Capogna, Luca. One talk at the analysis seminar in our department, March 2010; co-organized Special Session on Partial Differential Equations in Geometry and Variational Problems, co-organizer with Changyou Wang, University of Kentucky, Lexington, KY (2010 Spring Southeastern Sectional Meeting) Meeting # 1057 March 2010; invited at the special trimester in harmonic analysis and pde at the Center for Mathematical Research (CRM) "Ennio De Giorgi" in Pisa, for two weeks in March 2010.

Reys, R., **Dingman, S.**, Newton, J., & Cox, D. C. (2010, January). *Looking toward careers in mathematics education in colleges/universities: Some lessons learned by recent graduates*. Paper presented at the Association of Mathematics Teacher Educators annual meeting, Irvine, CA.

Han, Junhee. Invited talk, SaTScan Performance Evaluation, Cancer Control and Population Sciences Division, National Cancer Institute, U.S. National Institutes of Health (NIH) October, 2009; Conference talk, Bayesian inference for cumulative incidence function under additive risks model, International Biometric Society ENAR 2010 Meeting March, 2010; Departmental talk, Scan statistics and its application, Department of Mathematical Sciences, University of Arkansas April, 2010.

Song, J. J. (2010). Distance-based test for spatial autocorrelation of spatially distributed functional data, Korean Statistical Society Spring Conference, Daejeon, Korea.

Shi, F., Lee, J.Y., Kong, B. W., **Song, J. J.**, and Erf, G. F. (2010). Global transcriptome analysis of feathers from Smyth line chickens reveals different gene-expression profiles at various stages of autoimmune vitiligo, The Annual Meeting of American Association of Immunologist, Baltimore, MD.

Song, J. J. and Kim, J.-M. (2010). Bayesian Analysis of Randomized Response Sum Score Variables, Frontiers of Statistical Decision Making and Bayesian Analysis, San Antonio, TX.

Lee, J. Y., **Song, J. J.**, Zhou, H. and Kong, B.-W. (2009). Transcriptional profiling of host gene expression by the infection of laryngotracheitis virus in chicken embryo lung cells, Annual Meeting of American Society for Virology, Vancouver, Canada.

Song, J. J. and Mallick, B. K. (2009). Hierarchical Bayesian Models for Predicting Spatially Correlated Curves, Session on Functional Data Analysis (Topic Contributed), American Statistical Association Joint Statistical Meeting (JSM), Washington, D.C..

Bottje, W. G., Kong, B., **Song, J. J.**, Wing, T., Pazcek, A., Okimoto, R., and Lassiter, K. (2009). Global gene expression associated with feed efficiency in male broilers, 2009 Poultry Science Association Annual Meeting, Raleigh, NC.

Song, J. J., Kim, J.-M., and Lu, L. (2009). Bayesian Analysis of Randomized Response Sum Score Variables, (Topic Contributed), The 1st Institute of Mathematical Statistics (IMS) Asia Pacific Rim Meeting (APRM), Seoul, South Korea.

Lee, J. Y., **Song, J. J.**, Zhou, H., and Kong, B.-W. (2009). Differentially expressed genes of host-virus interactions by infectious laryngotracheitis virus infection in cultured chicken lung cells, Plant and Animal Genome XVII Conference, San Diego, CA.

Janet Woodland. Summer 2009 and 2010: Workshops for in-service teachers through the NSF-funded College Ready Program: "Geometric Algebra and the Pythagorean Theorem."
Summer 2009: Attended Teaching Faculty Support Center's Teaching Retreat; co-presented a workshop (Jennifer Webb, interior design) on using group activities in class; awarded Teaching Enhancement Grant (400); Spring 2010: presented "The Euclid-Euler Theorem" in the Graduate Seminar; Spring 2010: presented degree- and career-planning information in MATH 2701.

OTHER CREATIVE ENDEAVORS:

Chaim Goodman-Strauss, *I of N*, steel sculpture installed at private home in Atlanta; Math Circus, a show at local restaurant; unnamed environmental sculpture on Old Main Lawn; Math Factor podcast.

GRANTS:

Dennis Brewer. Applying Lessons Learned across STEM (ALL-STEM), NSF, \$1,249,959 (over five years), co-principal investigator with Sharon Gaber (PI), Gay Stewart, John Stewart, and Bernard Madison (co-PIs).

Luca Capogna. Co-Pi for the NSF grant for the funding of the 2010 Spring Lecture Series (withdrawn by request of the NSF because they decided to fund our two-year request).

Shannon Dingman, Co-PI. Project Title: Foundational High School Mathematics. Funding Agency: National Science Foundation; Funding Amount: \$184,690 over 3 years for UAF subaward; \$953,525 over 3 years for entire grant; Proposal Rejected.

Andrew Raich. Project Title: A Spring Lecture Series on Minimal Surfaces and Mean Curvature Flow" NSF grant DMS-1001624 (\$49,599) (Withdrawn).

Andrew Raich. Project Title: SOLAR: Parallel Quantum Dot-Sensitized Solar Cells in a Single Nanoribbon" NSF grant DMR-1015594 (Discouraged).

Yo'av Rieck, applied for an unsuccessful NSF grant.

Joon Jin Song: P.I. : Fulbright College of Arts and Sciences, University of Arkansas, "Analytic-Enabled Integrative Analysis of Microarray Studies: Empirical Bayes Approach", 2010, \$5,000.

Joon Jin Song: P.I. Arkansas Biosciences Institute (ABI), "Analytic-enabled integrative analysis of microarray studies", 7/1/09-6/30/10, \$49,224.

Joon Jin Song: P.I. National Security Agency (NSA), "Bayesian Wavelet-Based Models for Spatially Distributed Functional Data", \$29,721, 5/1/11-4/30/13, 1 month (SUM).

Joon Jin Song: P.I. Arkansas Biosciences Institute (ABI), ``Gas sensors based on CNT-organic matrix composite films: Ammonia detection for diagnosing lung diseases", \$68,553.

Joon Jin Song: P.I. National Science Foundation (NSF), ``Statistical Methods for Spatially Distributed Functional Data", \$181,690, 2009.

Joon Jin Song: P.I. Early Career Research Program, Department of Energy (DOE), ``Statistical Characterization and Prediction of Spatially Distributed Functional Data", \$791,028, 2009.

Joon Jin Song: P.I. National Science Foundation (NSF), ``CAREER: Statistical Analysis of Spatially Distributed Functional Data: Exploration, Modeling, and Inference", \$400,000, 2009.

FUNDED:

Dennis Brewer. Robert Noyce Scholarship Program for Math, Science and Engineering K-12 Teachers, NSF, \$749,856, 9/15/07-9/14/10, co-PI. Funded (continuing).

Luca Capogna. Senior Personnel in the NSF grant for the two year funding of the Spring Lecture Series 2010-2011. This grant was written using the one mentioned above. The grant has been funded.

Shannon Dingman, Co-PI with **Bernard Madison,** and Gay Stewart (Physics). Project Title: College Ready in Mathematics and Physics Partnership. NSF-funded grant to provide professional development for area secondary mathematics teachers. January 2009 through December 2011.

Shannon Dingman, Co-PI with Laura Kent (Department of Curriculum and Instruction). Project Title: Northwest Arkansas Partnership. ADE-funded grant to provide professional development for grades 3-8 teachers in five school districts in Washington County. This is the second year of a renewable grant; this grant runs from April 14, 2010 to April 14, 2011.

Junhee Han. PI. Project: STATISTICAL RESEARCH & APPLICATIONS, (*U.S. Dept Health & Human Services*), NCI/NIH, Han works as a Mathematical statistician through the IPA (Intergovernmental Personnel Act), \$23,270 2009-10.

Phillip S. Harrington. PI. Project Title: ARRA:CAUCHY-RIEMANN COMPLEX ON NON-SMOOTH DOMAINS. NSF Grant: DMS 0856672 (University of South Dakota) transferred to DMS 1002332 (University of Arkansas), \$85,366, 3-year term.

Loredana Lanzani. PI. Project Title: HOLOMORPHIC SINGULAR INTEGRALS ON NON-SMOOTH DOMAINS IN COMPLEX ANALYSIS. National Science Foundation Individual Research Grant, Division of Mathematical Sciences, NSF ID# DMS-1001304 (UARK Cost Center #: 09-000613). Total Amount: \$125,000. Duration: June 1, 2010 -May 31, 2012. Amount for 2010: \$42,000.

Loredana Lanzani. PI. One-Year No Cost Extension for NSF grant # DMS-0700815 (UARK Cost Center #: 0402-01662-21-0000). Duration: July 1, 2010 -June 30, 2011.

Andrew Raich. Co-PI with **John Ryan.** Project Title: Two Spring Lecture Series in Geometric Analysis", NSF grant DMS-0963810 (\$85,762) (Funded)

Joon Jin Song. P.I. Fulbright College of Arts and Sciences, University of Arkansas, ``Analytic-Enabled Integrative Analysis of Microarray Studies: Empirical Bayes Approach'', 2010, \$5,000.

Joon Jin Song. P.I. Arkansas Biosciences Institute (ABI), ``Analytic-enabled integrative analysis of microarray studies'', 7/1/09-6/30/10, \$49,224.

Music

BOOKS, PUBLISHED COMPOSITIONS, CD'S RECORDED, ETC.:

Greeson, James. Soundtrack to "The Buffalo Flows" The film was produced by Larry Foley and was aired at the Hot Springs Documentary Film Festival and on AETN.

Greeson, James. Musical score for documentary soundtrack entitled "Silent Quarry" for Kudu Productions. It was premiered at the Sedona, AZ Documentary Film Festival in 2009.

Greeson, James. Brouhaha", "Seismic Strut" "Case in Point", "Tricky Sticks", "Another Look at the Diminished Chord", "El Final del Verano", "Hey Benny", "Indiana", "Shortstop", and "True North" Guitar Chord Charts, Kendor Music (2009/10).

Margulis, Jura. *Piano Solo* (CD) OEHMS Classics. (2009).

Pierce, Benjamin (2009). Released a new solo CD *Pierce Plays Bach*. He has published a number of arrangements and original works from other composers by Ozarks Music Press www.ozarksmusicpress.com.

CHAPTERS:

Margulis, Elizabeth. "Music Listening." *Oxford Handbook of Music and Emotion*. (ed. Patrik Juslin and John Sloboda) Oxford, Oxford University Press, 2010.

REFEREED ARTICLES:

Wong, P.C.M., Roy, A.K., & Margulis, E.H. (2009). Bimusicalism: The Implicit Dual Enculturation of Cognitive and Affective Systems. *Music Perception*, 27, 81-88.

Wong, P.C.M., Perrachione, T.K., & Margulis, E.H. (2009). Effects of Asymmetric Cultural Experiences on the Auditory Pathway: Evidence from Music. *Annals of the New York Academy of Sciences*, 1169, 157-163.

Margulis, E.H. (2009). Review of Oliver Sacks, *Musicophilia: Tales of Music and the Brain*. *American Journal of Bioethics*, 9(9), 70-71.

Margulis, E.H., Uppunda, A.K., Mlsna, L.M., Parrish, T.B., & Wong, P. C.M. (2009). "Selective Neurophysiologic Responses to Timbre in Musicians with Different Listening Biographies." *Human Brain Mapping*, 30, 267-275.

Misenhelter, Dale. (2010). "The Asymmetrical Music Education Community" *Journal of National Federation of State High School Associations*. Reprint by permission.

Misenhelter, Dale. (2009). "Teaching Movement and Dance to Adults" *Orff Echo, Journal of The American Orff Schulwerk Association*, 16(2), p. 36-37.

Misenhelter, Dale. (2009). "Social Functions of Music in Music Education" *Journal of Artistic and Creative Education*, (ISSN 1832-0465) University of Melbourne, 2(2) p.61-74.

UNREFEREED ARTICLES AND PROCEEDINGS:

Margulis, E.H. (2008). Neuroscience: The Food of Musical Culture? *Review of General Psychology*, 28, 159-169.

Misenhelter, Dale. (2010). Literacy in Music: Questions, Objectives, and To What End? *Arkansas Music Educators Journal Segue* 31(2), p.6-7.

Misenhelter, Dale. Arkansas Music Educators State Conference (2009). "Nurturing Little Scholars." (Critical Approaches), II (Folk Literature). Two general AMEA sessions, University of Central Arkansas.

Misenhelter, Dale, Ed. with Pierce, B., Kahn, E., and Choltitchanta, N. (2009). "Performance Tips from the Experts." *Arkansas Music Educators Journal Segue* 30 (3), p10-12.

Pierce, Benjamin. (2009) "Piston Valve Struggles." *Arkansas Music Educators Association Journal Segue* 30:3 10. p4.

INVITED LECTURES AND REFEREED RESEARCH PRESENTATIONS:

Cholthitchanta, Nophachai. "Period Woodwind Instruments." 39th Annual AMIS Meeting—Library of Congress, Washington, DC. , May 2010.

Cholthitchanta, Nophachai: presented a lecture/recital for the American Musical Instrument Society in Ann Arbor, MI in May.

Gottlieb, B. & Pelligrino, K. "Infusing Chamber Music Rehearsals with Meaning: Practical Suggestions and Insights for Coaching Student Chamber Ensembles." Session for the 2010 American String Teachers Association's National Conference. February, 2010, Santa Clara, CA.

Gottlieb, B. "Getting the best return on your student investment." Michigan Music Conference. January, 2010, Grand Rapids, MI.

Greeson, James. Invited performance and discussion for the Arkansas Bandmaster's Association annual meeting in Little Rock on July 29, 2009. He composed the All-State audition etudes for guitar for the 2010, which were learned by high school guitarists across the state. The July 29 event was a presentation to high school band directors presenting and offering tips on how to help their students learn these audition etudes.

Pierce, Ben. "Preparing for Music Competitions," presented at Baylor University, October 10, 2009.

Margulis, E.H. (November 18, 2009). "Music again: Perspectives on repetition in music." CIRMMT Distinguished Lecture in the Science and Technology of Music. McGill University, Montreal, Canada.

Margulis, E.H., Gingras, B. & Giordano, B. (October 31, 2009). "Statistical analysis in music research." Music Cognition Interest Group Meeting, Annual Meeting of the Society for Music Theory, Montreal, Canada.

Margulis, E.H. (May 3, 2009). "Some approaches to repetition in music." Music Cognition Colloquium, Northwestern University, Evanston, IL.

Chan, A.D., Wong, P.C.M., Roy, A.K., & Margulis, E.H.M. (June 21, 2009). "Neural mechanisms of music listening by mono- and bi-cultural everyday music listeners." Annual Meeting of the Organization for Human Brain Mapping, San Francisco, CA.

Margulis, Jura. "Town Hall Meeting: How to engage the modern piano student." Presented at the World Piano Pedagogy Conference in Phoenix, AZ in October.

Misenhelter, Dale. Perceptions of Compulsory Elementary Music on Cultural and Social Outcomes concepted/scheduled for presentation: International Society for Music Education International Main Conference, in Beijing, China.

Misenhelter, Dale. (2010). "Underlying Social Structures in Music Education: Teacher Perceptions of Curricular Evidence Research." Roundtable presentation: American Educational Research Association Annual Conference, Denver, CO.

Misenhelter, Dale. (2009). "Points of Affirmation or Negation During Music Education Internship: Student Perceptions of Experiences." Society for Music Teacher Education Biennial Conference, research session, UNCG, Greensboro, NC.

Misenhelter, Dale (2009). "Social Functions of Music Education." Presentation at Desert Skies Research Symposium; University of Arizona, Tucson AZ.

CREATIVE ENDEAVORS, CONCERTS, SHOWS, PERFORMANCES:

Fulbright Summer Chamber Concert Series (Music Faculty and guest artists)

Chamber Concerts by the Faculty, with guest artists

65 Degree recitals by students in music curricula

8 Non-degree recitals by students in music curricula

22 Faculty Recitals

Choral Concerts

Opera Productions

Schola Cantorum

Jazz Ensemble Concerts

University Symphony Orchestra Concerts

Wind Symphony Concerts

Symphonic Band Concerts

Concert Band Concerts

Inspirational Singers Concerts

Band Spectacular Concert

Percussion Ensemble Concerts

Football games for Men's Athletics

Basketball games for Men's and Women's Athletics

Volleyball games for Women's Athletics

Philosophy

Chapters: 1

Refereed Articles: 6

Unrefereed Publications: 1

Invited Lectures: 5

Other Lectures: 3

Physics

BOOK CHAPTERS PUBLISHED:

“Emerging Technologies: Nanopore Sequencing for Mutation Detection,” R. Rollings and J. Li, *The Handbook of Plant Mutation Screening*, K. Meksem and G. Kahl, Editors, 339-354 (Wiley, 2010).

“Cavity Linewidth Controls with an Intracavity Three-level Atomic Medium,” H. Wu and M. Xiao, *Atomic Coherence and Its Potential Applications* (e-book), edited by J. Gao, M. Xiao, and Y. Zhu (Bentham Science Publishers, 2009).

BOOKS PUBLISHED:

Physics: Concepts & Connections, A. Hobson, 5th edition, (Prentice Hall: 2010).

The Collected Papers of Albert Einstein Volume 12: The Berlin Years: Correspondence 1920, D. Buchwald, T. Sauer, Z. Rosenkranz, J. Illy and V. Holmes, Editors – J. van Dongen, D. Kennefick and A. Kox (Princeton University Press, 2009).

Science College Board Standards for College Success, G. Stewart et.al., (The College Board: NY, 2009).

Multi-wave Mixing Processes, Y. Zhang and M. Xiao, (Springer and Higher Education Press: 2009).

Atomic Coherence and Its Potential Applications (e-book), edited by J.Y. Gao, M. Xiao, and Y. Zhu, (Bentham Science Publishers: 2009).

PUBLICATIONS IN REFEREED JOURNALS:

“Ferromagnetism in multiferroic BiFeO₃ films: a first-principles-based study,” D. Albrecht, S. Lisenkov, Wei Ren, D. Rahmedov, Igor A. Kornev and L. Bellaiche, *Phys. Rev. B* 81, 140401(R) (2010).

“Intermediate temperature scale T* in lead-based relaxor systems,” B. Dkhil, P. Gemeiner, A. Al-Barakaty, L. Bellaiche, E. Dulkan, E. Mojaev, M. Roth, *Phys. Rev. B* 80, 064103 (2009).

“Erratum: Properties of multiferroic BiFeO₃ under high magnetic fields from first principles,” S. Lisenkov, Igor A. Kornev and L. Bellaiche, *Phys. Rev. B* 79, 219902(E) (2009).

“Broad-band dielectric spectroscopy and ferroelectric soft-mode response in the Ba_{0.6}Sr_{0.4}TiO₃ solid solution,” T. Ostapchuk, J. Petzelt, J. Hlinka, V. Bovtun, P. Kuzel, I. Ponomareva, S. Lisenkov, L. Bellaiche, A. Tkach and P. Vilarinho, *J. Phys. Condensed Matter* 21, 474215 (2009).

“Evidence for Room-Temperature Multiferroicity in a Compound with a Giant Axial Ratio,” H. Bea, B. Dupe, S. Fusil, R. Mattana, E. Jacquet, B. Warot-Fonrose, F. Wilhelm, A. Rogalev, S. Petit, V. Cros, A. Anana, F. Petroff, K. Bouzehouane, G. Geneste, B. Dkhil, S. Lisenkov, I. Ponomareva, L. Bellaiche, M. Bibes and A. Barthelemy, *Phys. Rev. Lett.* 102, 217603 (2009).

“Competing phases in BiFeO₃ thin films under compressive epitaxial strain,” B. Dupe, I. C. Infante, G. Geneste, P.-E. Janolin, M. Bibes, A. Barthelemy, S. Lisenkov, L. Bellaiche, S. Ravy and B. Dkhil, *Phys. Rev. B* 81, 144128 (2010).

“Diffuse Phase Transitions in Ferroelectric Ultrathin Films From First Principles,” S. Bin-Omran, I. Kornev, I. Ponomareva and L. Bellaiche, *Phys. Rev. B* 81, 094119 (2010).

“Low-symmetry phases in ferroelectric nanowires,” L. Louis, P. Gemeiner, I. Ponomareva, L. Bellaiche, G. Geneste, W. Ma, N. Setter, B. Dkhil, *Nano Lett.* 10, 1177 (2010).

“Dependence of Curie temperature on the thickness of an ultrathin ferroelectric film,” E. Almahmoud, I. Kornev and L. Bellaiche, *Phys. Rev. B* 81, 064105 (2010).

“Thickness dependency of the Curie temperature in ferroelectric ultrathin films,” E. Almahmoud, I. Kornev and L. Bellaiche, *Phys. Rev. B.* 81, 064105 (2010).

“Depth-resolved subsurface defects in chemically etched SrTiO₃”, J. Zhang, D. Dou, T. Merz, J. Chakhalian, M. Kareev, J. Liu, L.J. Brillson, *Appl. Phys. Lett.* 94, 9 (2009).

“Hyperfine fields in thin Pd films by beta-detected NMR,” T.J. Parolin, Z. Salman, J. Chakhalian, Q. Song, K.H. Chow, G.D. Morris, M. Egilmez, I. Fan, M.D. Hossain, T.A. Keeler, R.F. Kiefl, S.R. Kreitzman, C.D.P. Levy, A.I. Mansour, R.I. Miller, M.R. Pearson, H. Saadaoui, M. Smadella, D. Wang, M. Xu, W.A. MacFarlane, *Physica B: Cond. Matt.* 404, 917 (2009).

“Intersublevel Infrared Photodetector with Strain-Free GaAs Quantum Dot Pairs Grown by High-Temperature Droplet Epitaxy,” Wu, D. Shao; V. Dorogan, A. Li, S. Li, E. DeCuir, M. Manasreh, Z. Wang, Y. Mazur, G. Salamo, *Nano Lett.* 10, 1512-1516 (2010).

“Hybridized quantum dot-wetting layer states in photoluminescence of In(Ga)As/GaAs dot chain samples,” V. Dorogan, Y. Mazur, E. Marega, G. Tarasov, M. Ware and G. Salamo, *J. Appl. Phys.* 105, 124304 (2009).

“Aharonov-Bohm Interference in Neutral Excitons: Effects of Built-In Electric Fields,” M. Teodoro, V. Campo, V. Lopez-Richard, E. Marega, G. Marques, Y. Gobato, F. Iikawa, M.J.S.P. Brasil, Z. AbuWaar, V. Dorogan, Y. Mazur, M. Benamara, G. Salamo, *Phys. Rev. Lett.* 104, 086401 (2010).

“Controlled Gating of Lysenin Pores,” D. Fologea, E. Krueger, R. Lee, M. Naglak, Y. Mazur, R. Henry, G. Salamo, *Biophys. Chem.* 146, 25-29 (2010).

“Comparative theoretical study of the size dependent electronic and optical properties in CdS and CdSe spherical nanocrystals,” A. Nazzal and H. Fu, *J. Comp. and Theoret. Nanosci.* 6, 1277 (2009), *invited article*.

“Competition between Raman and Rayleigh-enhanced Four-wave Mixing in Attosecond Polarization Beats,” C. Gan, Y. Zhang, Z. Nie, Y. Zhao, K. Lu, J. Shi, and M. Xiao, *Phys. Rev. A* 79, 023802 (2009).

“Energy constraints for quantum logic via nonlinear optical processes,” J. Gea-Banacloche, *Opt. Commun.* 283, 719–723 (2010).

“Observation of PT-Symmetry Breaking in Complex Optical Potentials,” A. Guo, G. Salamo, D. Duchesne, R. Morandotti, M. Volatier-Ravat, V. Aimez, G. Siviloglou and D. Christodoulides, *Phys. Rev. Lett.* 103, 093902 (2009).

“The plausibility of global warming,” A. Hobson, *The Phys. Teach.* 77-78 (2010).

“Global warming: lessons from ozone depletion,” Art Hobson, *Phys. & Soc.*, pp.20-22 (2010).

“Control of Multi-transparency Windows via Dark-state Phase Manipulation,” U. Khadka, Y. Zhang, and M. Xiao, *Phys. Rev. A* 81, 023830 (2010).

“Surface Plasmon Density of States at the Metal-dielectric Interface: Dependence of Metal Layer Thickness and Dielectric Material,” V. Komarala, U. Guo, and **M. Xiao**, *J. Appl. Phys.* 107, 014309 (2010).

“Nonlinear Optical Properties of $\text{Er}^{3+}/\text{Yb}^{3+}$ -doped NaYF_4 Nanocrystals,” V. Komarala, Y. Wang, and **M. Xiao**, *Chem. Phys. Lett.* 490, 189 (2010).

“Polymer functionalized n-type single wall carbon nanotube photovoltaic devices,” Z. Li, V. Saini, E. Dervishi, V. Kunets, J. Zhang, Y. Xu, A. Biris, G. Salamo, A. Biris, *Appl. Phys. Lett.* 96, 033110 (2010).

“Multicolor photodetector based on GaAs quantum rings grown by droplet epitaxy,” J. Wu, Z. Li, D. Shao, M. Manasreh, V. Kunets, Z. Wang, G. Salamo and B. Weaver, *Appl. Phys. Lett.* 94, 171102 (2009).

“Intermediate-band material based on GaAs quantum rings for solar cells,” J. Wu, D. Shao, Z. Li, M. Manasreh, V. Kunets, Z. Wang and G. Salamo, *Appl. Phys. Lett.* 95, 071908 (2009).

“Light-Harvesting Using High Density p-type Single Wall Carbon Nanotube/n-type Silicon Heterojunctions,” Z. Li, Zhongrui, V. Kunets, V. Saini, Y. Xu, E. Dervishi, G. Salamo, A.R. Biris, A.S. Biris, *ACS Nano* 3, 1407-1414 (2009).

“Multicolor photodetector based on GaAs quantum rings grown by droplet epitaxy,” J. Wu, Z. Li, D. Shao, M. Manasreh, V. Kunets, Z. Wang, G. Salamo, B. Weaver, *Appl. Phys. Lett.* 94, 171102/1-171102/3 (2009).

“InSb quantum-well-based micro-hall devices: potential for pT detectivity,” V. Kunets, S. Easwaran, W. Black, D. Guzun, Y. Mazur, N. Goel, T. Mishima, M. Santos and G. Salamo, *IEEE Transactions on Electron Devices* 56, 683-687 (2009).

“Electrical, Optical, and Morphological Properties of P3HT-MWNT Nanocomposites Prepared by in Situ Polymerization,” V. Saini, Z. Li, S. Bourdo, E. Dervishi, Y. Xu, X. Ma, V. Kunets, G. Salamo, T. Viswanathan, A.R. Biris, D. Saini, A.S. Biris, *J. Phys. Chem. C* 113, 8023-8029 (2009).

“Absolute Dimensions of the F-Type Eclipsing Binary Star VZ Cephei,” G. Torres and C.H.S. Lacy, *Astron. J.*, 137, 507 (2009).

“Searching for transiting circumbinary planets in CoRoT and ground-based data using CB-BLS,” A. Ofir, H.J. Deeg and C.H.S. Lacy, *C. H. S., Astron. & Astrophys.* 506, 445 (2009).

“Absolute properties of the highly eccentric binary star LV Herculis,” G. Torres and C.H.S. Lacy, *Astron. J.* 138, 1622 (2009).

“New times of minima of some eclipsing variables,” C.H.S. Lacy, *I.B.V.S.*, No. 5910 (2009).

“Low-calcium and calcium-free clinopyroxene spectra and the implications for UOC material on Asteroids,” K.M. Gietzen, C.H.S. Lacy, D.R. Ostrowski, and D.W.G. Sears, *Lunar & Planet. Inst.* 40, 1348 (2009).

“S Asteroids: Are some of the missing melts UOC?” D.W.G. Sears, K.M. Gietzen, D.R. Ostrowski, and C.H.S. Lacy, *Meteoritics & Planet. Sci. Suppl.*, 5170 (2009).

“Asteroidal origins for carbonaceous chondrites,” D.R. Ostrowski, D.W.G. Sears, C.H.S. Lacy, and K.M. Gietzen, *Meteoritics & Planet. Sci. Suppl.*, 5309 (2009).

“Absolute properties of the eclipsing triple star CO Andromedae: constraints on convective core overshooting,” C.H.S. Lacy, G. Torres, A. Claret, D. Charbonneau, F.T. O'Donovan, & G. Mandushev, *Astron. J.* 139, 2347-2359 (2010).

“Single-molecule protein unfolding in solid state nanopores,” D. Talaga and J. Li, *J. Am. Chem. Soc.* 131, 9287–9297 (2009).

“Solid-state Nanopore for Detecting Individual Biopolymers,” J. Li and J. A. Golovchenko, *Methods Mol. Biol.* 544, 81-93 (2009).

“Three-dimensional ordering in self-organized (In,Ga)As quantum dot multilayer structures,” V. Kladko, M. Slobodian, P. Lytvyn, V. Strelchuk, Y. Mazur, E. Marega, M. Hussein and G. Salamo, *Physica Status Solidi A-Applications and Mat. Sci.* 206:8 Special Issue, 1748-1751 (2009).

“One-dimensional features of In(Ga)As/GaAs dot chain structures with changeable interdot coupling,” Y. Mazur, V. Dorogan, E. Marega, P. Lytvyn, Z. Zhuchenko, G. Tarasov and G. Salamo, *New J. Phys.* 11, 043022 (2009).

“InAs quantum dot clusters grown on GaAs droplet templates. Surface morphologies and optical properties,” B. Liang, V. Dorogan, Y. Mazur, N. Strom, J. Lee, K. Sablon, Z. Wang, G. Salamo, *J. Nanoscience and Nanotech.* 9, 3320-3324 (2009).

“Mechanisms of interdot coupling in (In,Ga)As/GaAs quantum dot arrays,” Y. Mazur, V. Dorogan, E. Marega, G. Tarasov, D. Cesar, V. Lopez-Richard, G. Marques, G. Salamo, *J. Appl. Phys. Lett.* 94, 123112/1-123112/3 (2009).

“Spectroscopy of shallow InAs/InP quantum wire nanostructures,” Y. Mazur, V. Dorogan, O. Bierwagen, G. Tarasov, E. DeCuir, S. Noda, Z. Zhuchenko, M. Manasreh, W. Masselink, G. Salamo, *Nanotech.* 20, 065401/1-065401/10 (2009).

“Coherent exciton-surface plasmon polariton interactions in hybrid metal semiconductor nanostructures,” P. Vasa, R. Pomraenke, S. Schwieger, Y. Mazur, V. Kunets, P. Srinivasan, E. Johnson, E. Runge, G. Salamo, C. Lienau, *Physica Status Solidi C: Current Topics in Solid State Physics* 6, 466-469 (2009).

“Entanglement and bistability in coupled quantum dots inside a driven cavity,” A. Mitra and R. Vyas, *Phys. Rev. A* 81, 012329 (2010).

“Nonclassicality of light from a degenerate parametric oscillator,” A. Mitra, R. Vyas, and S. Singh, *J. Mod. Optics* 57 (2010).

“Hypertoroidal moment in complex dipolar structures,” S. Prosandeev and L. Bellaiche, *Journal of Materials Science* Special Issue entitled “Recent Developments in Ferroelectric Nanostructures and Multilayers,” *J. Materials Science* 44, 5235 (2009), *invited topical review*.

- “Discovery of incipient ferrotoroidics from atomistic simulations,” S. Prosandeev, A. R. Akbarzadeh and L. Bellaiche, *Phys. Rev. Lett.* 102, 257601(2009). [also selected for the July 6, 2009 issue of *Virtual J. Nanoscale Sci. and Technol.*].
- “Electric-field-induced paths in multiferroic BiFeO₃ from atomistic simulations,” S. Lisenkov, D. Rahmedov and L. Bellaiche, *Phys. Rev. Lett.* 103, 047204 (2009).
- “Low-symmetry phases and loss of relaxation in nanosized lead scandium niobate,” J.M. Kiat, C. Bogicevic, F.Karolak, G. Dezanneau, N. Guiblin, W. Ren, L. Bellaiche, R. Haumont, *Phys. Rev. B* 81, 144122 (2010).
- “Theoretical Simulation on a Nonlinear Photonics Process of Er(1%)Yb(8%):FOV Oxyfluoride Nanophase Vitroceramics,” C. Wang, X. Chen, G. Salamo, N. Sawanobori, C. He, H. Zhou, H. Jing, Y. Zeng, S. Li, Xu, *Commun. in Comp. Phys.* 7, 580-596 (2010).
- “Atomic scale characterization of Mn doped InAs/GaAs quantum dots,” M. Bozkurt, V. Grant, J. Ulloa, R. Campion, C. Foxon, E. Marega, G. Salamo, P. Koenraad, *Appl. Phys. Lett.* 96, 042108 (2010).
- “Phase diagrams of epitaxial Pb(Zr,Ti)O₃ ultrathin Films from first principles,” D. Sichuga, I. Ponomareva and L. Bellaiche, *Phys. Rev. B* 80, 134116 (2009).
- “Chiral patterns of tilting of oxygen octahedra in zero-dimensional ferroelectrics and multiferroics: A first principle-based study,” D. Sichuga, W. Ren, S. Prosandeev, and L. Bellaiche, *Phys. Rev. Lett.* 104, 207603 (2010).
- “Novel Collective Behaviors in Zero-Dimensional Ferroelectrics and Multiferroics,” D. Sichuga, W. Ren, S. Prosandeev, and L. Bellaiche, *Phys. Rev. Lett.* **104**, 207603 (2010).
- “Evaluation of a hyperspectral optical-monte carlo remote sensing model in a water tank study,” V. Garg, I. Chaubey, and S. Singh, *Transactions of the ASABE (American Society of Agricultural and Biological Engineers)* 52, 759-769 (2009).
- “Correcting the Normalized Gain for Student Guessing,” J. Stewart and G. Stewart, *Phys. Teach.* 48, 194-196 (2010).
- “An optical parametric oscillator as a high-flux source of two-mode light for quantum lithography,” H. Cable, R. Vyas, S. Singh, and J. P. Dowling, *New J. Phys.* 11, 113055 (2009).
- “Statistical properties of light from optical parametric oscillators,” R. Vyas and Surendra Singh, *Phys. Rev. A* 80, 063836 (2009).
- “Evolution of Various Nanostructures and Preservation of Self-Assembled InAs Quantum Dots During GaAs Capping,” J. Lee, Z. Wang, V. Dorogan, Y. Mazur, G. Salamo, *IEEE Transactions on Nanotech.* 9, 149-156 (2010).

“Self-assembled InGaAs tandem nanostructures consisting of a hole and pyramid on GaAs (311)A by droplet epitaxy,” J. Lee, Z. Wang, E. Kim, N. Kim, S. Park, G. Salamo, *Physica Status Solidi A-Applications and Materials Science* 207, 348-353 (2010).

“Various Quantum- and Nano-Structures by III-V Droplet Epitaxy on GaAs Substrates,” J. Lee, Z. Wang, E. Kim, N. Kim, S. Park, G. Salamo, *Nanoscale Res. Lett.* 5, 308-314 (2010).

“Size and density control of In droplets at near room temperatures,” J. Lee, Z. Wang, N. Kim and G. Salamo, *Nanotech.* 20, 285602 (2009).

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Anne Diallo, and Margaret Reid. The Effects of Urban Regimes on the Allocation of Arts/Culture Resources: A Case Study of a College Community Urban Affairs Association, National Meeting. Honolulu, HI. March, 2010

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Andrew Dowdle and coauthors, "Seeking Competitive Advantage: How Presidential Nomination Campaigns Adapt to Social, Economic, and Technological Change" paper presented at the State of the Parties 2008 conference, Akron, Ohio, October 2009.

Pearl Ford "V.O. Key's Missing Link: Black Southern Political Culture and Development" paper presented at the 2nd Annual Blair Legacy Series Conference, Unlocking V. O. Key, Petit Jean Mountain, Arkansas, April 2009.

Pearl Ford and Angela Lewis, "Race and Gender at the 2008 Democratic Convention" paper presented at the National Conference of Black Political Science Annual Meeting, Houston, Texas, 2009.

Najib Ghabdian, "Islamists and Democracy in the Muslim World" paper presented at the Training Seminar on Islam & Muslim Communities, Canadian Foreign Service Institute, Ottawa, Canada, January 2009.

Najib Ghabdian, "Challenges to Active Citizenship in the Arab World," paper presented at the Workshop on Active Citizenship: Towards a Responsible Citizen, Amman, Jordan, July 2009.

Najib Ghabdian, "We Cast Your Vote for You: The 2007 Syrian Election" paper presented at the Middle East Studies Association annual meeting, Boston, Massachusetts, November 2009.

David Jerome and Bill Schreckhise, "Perceptions of Transformation and the Limit to Substantial Change in Large Organizations: The Case of the United States Army" paper presented at the Annual Meeting of the Association of Policy Analysis and Management, Washington, D.C., November 2009.

Brinck Kerr, Will Miller, Margaret Reid, and Bill Schreckhise "'When Does Politics Matter: A Reexamination of the Determinants of African American and Latino Municipal Employment Patterns, paper presented at the American Political Science Association Meeting, Toronto, Ontario, Canada, September 2009. (Won best paper award from the Urban Politics Section).

Seok Eun Kim and Jung Wook Lee, "The Impact of Mission Attachment on Organizational Performance in the US Federal Agencies" paper presented at the 67th Annual National conference of the Midwestern Political Science Association, Chicago, Illinois, April 2009.

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Angie Maxwell, "Darwin's Reach: A Celebration of Darwin's Legacy Across Academic Disciplines, paper presented at the Gospel of Dirt: The Demonization of Darwin and the Rise of William Jennings Bryan College at Hofstra University, New York, March 2009.

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Patrick A. Stewart, “Laughing to the Bank: Financial Implications of Political Humor in Presidential Nominations, paper presented at the American Political Science Association Meeting, Toronto, Ontario, Canada, September 2009.

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INVITED LECTURES/PRESENTATIONS:

Margaret Reid. Community Gardens. 2 invited lectures in Dr. Rom’s Community Gardens class.
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Social Work

FACULTY ACHIEVEMENTS IN BOOK PUBLICATIONS & BOOK CHAPTERS:

Murphy-Erby

- **Murphy, Y.**, Hunt, V., Zajicek, A., Norris, A., & Hamilton, L. (2009). *Incorporating*

Intersectionality in Social Work Practice, Research, Policy, and Education.
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Schrivver

- **Schrivver, J. M.** (2009). *Human Behavior and the Social Environment: Shifting Paradigms in Essential Knowledge for Social Work Practice* (5th ed.). Boston: Allyn and Bacon.

Shobe

- **Shobe, M. A.**, & Coffman, M. (2010). Barriers to Health Care Utilization among Latinos in the United States: Recommendations for Social Workers (pp. 127-144). In Furman & Negi (Eds.) *Social work practice with Latinos: Key issues and emerging themes*. Chicago, IL: Lyceum Books, Inc.

FACULTY ACHIEVEMENTS IN REFEREED JOURNAL ARTICLES:

Ferguson

- Ross, D., **Ferguson, A.**, Casas, K., Boshia, P. (2010). Factors that prevent roughstock rodeo athletes from wearing protective equipment. *Current Sports Medicine Reports*.

Murphy-Erby

- **Murphy, Y.**, Jordan, S., Shobe, M., Christy-McMullian, K. (2009). Individual Development Accounts and Social Justice. *Forum on Public Policy*, 1, 1-21.

FACULTY ACHIEVEMENTS IN REFEREED JOURNAL ARTICLES:

Shobe

- Boyas, J., **Shobe, M. A.**, & Hannam, H. (2009). Examining the association between race, ethnicity and health status: Do assets matter? *Journal of Evidence-Based Social Work*, 6, 401-420.

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Stauss

- **Stauss, K.**, Milford, T., & DeCoster, V. (2009). Implementing a knowledge management system in a school of social work: The possibilities, challenges and lessons learned. *Journal of Technology and Human Services*, 27(4), 323-338.

NON-REFEREED PUBLICATIONS AND PROCEEDINGS:

Christy-McMullin

- **Christy-McMullin, K.** & Hamilton, L. (July 27, 2009). Comparison of IDA and Non-IDA Arkansas Participants at Baseline.
- **Christy-McMullin, K.** & Hamilton, L. (July 27, 2009). Comparison of IDA and Non-IDA New Mexico Participants at Baseline.

Hurd

- **Hurd, D.** (August 2009). Evaluation of Family Service Work Field Evaluation.
- **Hurd, D.** (August 2009). Comprehensive Stipend Report. DHHS.
- Production of a Grant Writing Guide for Fayetteville Adult Education workshop participants.

Schrivver

- Lead Author: School of Social Work MSW Program Self-Study for reaffirmation of accreditation, Vol. I: Program Mission and Goals and Explicit Curriculum, Vol. II: MSW Program Syllabi. November 25, 2009.

Shobe

- School of Social Annual Report: July 15, 2009 & 2010.

Stauss

- Lead Author: School of Social Work MSW Program Self-Study for reaffirmation of accreditation, AS4: Program Assessment. November 25, 2009.

OTHER LECTURES, PAPERS, PRESENTATIONS:

Allen

Regional Presentation:

- Allen, B. (2009). An Integrated View. Presented for the Mid America Regional Conference of the William Glasser Institute.

Christy-McMullin

International Presentation:

- Shobe, M. A., **Christy-McMullin, K.**, Murphy-Erby, Y., Jordan, S., Hamilton, L., & Givens, A. (2010). *Relationships between Household Assets and Individual Well-Being: Preliminary Findings from 904 Low-Income Participants in Arkansas and New Mexico*. International Journal of Arts and Sciences Conference, Orlando, FL, March 1-4.

National Presentation:

- Stauss, K., **Christy-McMullin, K.** & Schriver, J. “Multi-systems Life Course: A New Treatment Model for Working with Domestic Violence.” Paper presentation, Annual Program Meeting, Council on Social Work Education. San Antonio, TX, Nov. 2009.

National Consultation

- U.S. Department of Health and Human Services’ Administration for Children and Families, and the Urban Institute, “Technical Work Group (TWG) for the Evaluation Design for the Next Phase Evaluation of the Assets for Independence Program” Washington D.C., March 2009.

Regional

- **Christy-McMullin, K.**, & Stauss, K. (1/23/2010). “Latina/Latino and Marshallese Communities in the U.S.: Critical Understanding of Immigrant Realities”. UA Global Campus Presentation to practicing social workers.

Collie

- “Understanding Teen Suicide” published in the October 2009 edition of *CityScapes Metro Monthly, Fayetteville, Arkansas*.

Ferguson

International Presentation

- **Ferguson, A.** (April 2010). *Transdisciplinary Teams in Family Medicine: Differing Ethical Perspectives and Priorities for Care*. 43rd STFM Annual Spring Conference, Vancouver, British Columbia.

Regional Presentation

- **Ferguson, A.** (Spring 2010). *Ready...Set...Change! Readiness Assessment and Support for Health Behavior Change*. NASW-AR, Fort Smith, AR.

- **Ferguson, A.** (Spring 2010). *Social Work Ethics in the Context of Transdisciplinary Teams*, NASW-AR, Fort Smith, AR.

OTHER LECTURES, PAPERS, PRESENTATIONS:

Schrivier

National Presentation:

- Stauss, K., Christy-McMullin, K., & **Schrivier, J.** “Multi-systems Life Course: A New Treatment Model for Working with Domestic Violence.” Paper presentation, Annual Program Meeting, Council on Social Work Education. San Antonio, TX, Nov. 2009.

Shobe

International Presentation:

• **Shobe, M. A.**, Christy-McMullin, K., Murphy-Erby, Y., Jordan, S., Hamilton, L., & Givens, A. (2010). *Relationships between Household Assets and Individual Well-Being: Preliminary Findings from 904 Low-Income Participants in Arkansas and New Mexico*. International Journal of Arts and Sciences Conference, Orlando, FL, March 1-4.

National Presentations:

• **Shobe, M. A.**, & Boyas, J. (2010). *Gender Differences in Depression among Mexican Immigrants*. The Society for Social Work Research, San Francisco, CA, January 14-17.

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Stauss

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Sociology

BOOKS:

Bradley-Engen, Mindy S., *Naked Lives: Inside the Worlds of Exotic Dance*, Albany, NY: State of New York (SUNY) Press, 2009

Morgan, Gordon, *The Blue Hole: The Breakup of the Plantation System in Arkansas*, Baltimore, MD, PublishAmerica, 2009

REPORTS:

Cuddeback, Gary S., Mathew D. Gayman, and **Mindy S. Bradley-Engen**, "North Carolina Community Correction Workload Analysis, Report to North Carolina Department of Corrections, 2010

Cuddeback, Gary S., **Mindy S. Bradley-Engen**, and Mathew D. Gayman, "North Carolina Community Correction Workload Analysis: Preliminary Report, Report to North Carolina Department of Corrections, 2010

Fitzpatrick, Kevin M., Brad Myrstol, Hanna Gordon, Bonnie Miller, and Anne Kearney, *Northwest Arkansas PIT Homeless Census*, Community and Family Institute: University of Arkansas, Fayetteville, AR, 2009.

Fitzpatrick, Kevin M. and Brad Myrstol, *Counting NWA's Homeless: Preliminary Results from the 2009 Homeless Census*, Community Factsheet Vol. 3:2. Community and Family Institute: Department of Sociology and Criminal Justice, University of Arkansas, Fayetteville, AR, 2009

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Fitzpatrick, Kevin M., Social Impact Assessment: Jones Center for Families. Community and Family Institute: Department of Sociology and Criminal Justice, University of Arkansas, Fayetteville, AR, 2009

Smith, Brent, J. Cothren, and Paxton Roberts, three Quarterly Reports, DHS/START IUSSD Project

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CHAPTERS:

Bradley-Engen, Mindy S. and Carrie Hobbs, "To Love, Honor, and Strip: Romantic Relationships and Adjustment Strategies in Adult Careers," in M. Ditmore, A. Levy, and Willman-Navarro (eds.) *Sex Work Matters: Beyond Divides*, London, United Kingdom: Zed Press. 2010

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Teasdale, Brent and **Bradley-Engen, Mindy S.**, "Adolescent Same-Sex Attraction and Mental Health: The Role of Stress and Support," *The Journal of Homosexuality* 57(2):287-309, 2010

Bradley-Engen, Mindy S., Kelly R. Damphousse, and **Brent L. Smith**, "Punishing Terrorists: An Analysis of Sentencing Patterns in the Pre- and Post-Sentencing Guideline Eras," *International Criminal Justice Review*, 19(4):281-399, 2009

Piko, Bettina, Ester Kovacs, and **Kevin M. Fitzpatrick**, "What Makes a Difference? Understanding the Role of Protective Factors in Hungarian Adolescent's Depressive Symptomatology," *European Journal of Child and Adolescent Psychiatry* 18:617-1624

Fitzpatrick, Kevin M., Akilah Dulin, and Bettina Piko, "Bullying and Depressive Symptomatology among Low-Income, African-American Youth," *Journal of Youth and Adolescence* 39:634-645

Fitzpatrick, Kevin M. and Brad Myrstol, "The Jailing of America's Homeless: Evaluating the Rabble Management Thesis," *Crime and Delinquency*, DOI 10.1177/0011128708322941 (2009)

Holyfield, Lori, Matthew Ryan Moltz, and **Mindy S. Bradley-Engen**, "Racial Discourse and the U.S. Confederate Flag," *Race, Ethnicity, and Education*, 12(4):517-537, 2009

Smith, Brent L. and Kelly R. Damphousse, "Patterns of Precursor Behaviors in the Lifespan of an American Eco-Terrorist Group," *Criminology and Public Policy* 8(3):475-496.

Yang, Song, "Still Feeling Proud to be Working for Your Employer? Longitudinal Changes in the White Collar Employee's Morale in a Time of Organizational Restructuring," *Sociological Spectrum*, 29/5:572-597

Zajicek, Anna, Joseph Rencis, **Shauna Morimoto**, and Valerie Hunt, "Transforming the Academic Workplace: An Evaluation of the ADVANCE Program in Colleges of Engineering (2001 – 2008)," Proceedings of the 2010 Conference of the American Society for Engineering Education, Louisville, KY, June 20 – 23, 2010

Norris, Adele, **Anna Zajicek**, and Yvette Murphy-Erby, "An Exploration of an Intersectional Perspective in Rural Poverty Research and the Public Policy Implications," *Journal of Poverty*, Vol. 14, No. 1 (2010): 1-20

Stenken, Julie A. and **Anna M. Zajicek**, "The Importance of Asking, Mentoring and Building Networks for Academic Career Success – A Personal and Social Science Perspective," *Analytical and Bioanalytical Chemistry*, vol. 396, No. 2 (2010): 541-546

INVITED LECTURES:

Adams, Douglas, "Introductory Sociology Symposia," Sociology Publisher McGraw-Hill Higher Education, La Jolla, CA, February 2010

Fitzpatrick, Kevin M., "Exploring Statistics in the Northwest Arkansas Homeless Project", Fayetteville High School AP Statistics Classes, May 13, 2009

Fitzpatrick, Kevin M., "Putting a Face on the Homeless Problem in NW Arkansas EAST Program," Har-Ber High School, Springdale, AR. September 7, 2009

Fitzpatrick, Kevin M., "Getting Involved: Working in the Local Community to Make a Difference in Homeless Issues," Leadership, Benton County, Rogers, AR, September 10, 2009

Fitzpatrick, Kevin M., "Is It What We Think Is? Quality of Life in Northwest Arkansas," Osher Institute for Life-Long Learning, University of Arkansas, Fayetteville, AR, February 17, 2010

Gaber, John, "Making Change Happen," University of Arkansas, Sam Walton College of Education Executive Education, Lunch and Learn Program, May 20, 2010.

Gaber, John, "Making Strategic Planning *Strategic*," University of Arkansas, Sam Walton College of Education Executive Education, Lunch and Learn Program, May 13, 2010.

Holyfield, Lori, "Narratives of Identity: Construction of the Post-Combat Self" U. S. Army - Force Health Protection Conference, Albuquerque, New Mexico, August 2009

Morgan, Gordon, "Arkansas Plantations," Arkansas State University, Jonesboro, AR, Spring 2010.

Smith, Brent, Briefing on the "Threat of Right-Wing Extremism in the United States." U.S. House of Representatives, Homeland Security Committee (full committee hearings). Washington, DC. October 21, 2009.

OTHER LECTURES, PAPERS AND ORAL PRESENTATIONS:

Bradley-Engen, Mindy S., "Structural Correlates of Prostitution: An Organizational Analysis," American Society of Criminology Annual Conference, Philadelphia, PA, November 2009

Hawk-Tourtelot, Shila & Mindy S. Bradley-Engen, "College and Cops: The Role of Justice Education on Citizens' Perceptions of Police," Academy of Criminal Justice Sciences. San Diego, California, 2010

Bradley-Engen, Mindy S. "Bodies and Boundaries: Structural Correlates of Prostitution Activity in Exotic Dance Establishments," American Society of Criminology Annual Conference. Philadelphia, Pennsylvania, 2009

Bradley-Engen, Mindy S., Gary S. Cuddeback, Joseph P. Morrissey, and Mathew R. Gayman, "Medicaid Enrollment, Health Services Contact, and Recidivism among Offenders with Behavioral Health Disorders Following Prison Release," American Public Health Association Annual Conference, Philadelphia, Pennsylvania, 2009

Engen, Rodney, "The Impact of Politics and Policies on Imprisonment in the U.S.," American Society of Criminology Annual Conference, Philadelphia, PA, November 2009

Myrstol, Brad and **Kevin M. Fitzpatrick**, "Risk Factors Influencing the Duration of Arrestee Homelessness: Results from 30 American Cities", American Sociological Association Annual Meeting, San Francisco, CA, August 2009

Haff, Darlene W., **Kevin M. Fitzpatrick**, and Hugh Floyd, "Social Capital and Violence across Racial and Ethnic Samples of Adolescents", American Sociological Association Annual Meeting, San Francisco, CA, August 2009

Holyfield, Lori, "Gender, Emotions, and the Military Self," Society for the Study of Symbolic Interaction, San Francisco, CA, August 2009

Morgan, Gordon, Presidential Panel of the Association of Social and Behavioral Scientists, Charlotte, NC, March 2010.

Morimoto, Shauna A., "A New Democracy: Networked Ties, Community Change, and School-Based Volunteerism" American Sociological Association Annual Meeting, San Francisco, CA, August 2009

Yang, Song and **Shauna A. Morimoto**, "Why Do Black Men Suffer From Low Actualization of Productivity: A Multi-Theory Approach" American Sociological Association Annual Meeting, San Francisco, CA, August 2009

Worden, Steven, "Forcing Houses or Facing Houses: The Role of Monasteries and Rehabilitation Settings in Treating Post-War Trauma," Annual Meeting of the Society for the Study of Symbolic Interaction, San Francisco, CA, August 2009

Worden, Steven, "Creating Community One Character at a Time: The Life and Times of a Rustic Newspaper," Stone-Couch Symposium, Little Rock, AR, March 2010

Worden, Steven, "The Winslow Tribe," Washington County Observer, Vol. 1, Issue 19, June 10, 2010

Worden, Steven, "The Night Bus to the Border," Washington County Observer, Vol. 1, Issue 17, May 27, 2010

Worden, Steven, "The Lucky Plum Tree," Washington County Observer, Vol. 1, Issue 14, April 29, 2010

Worden, Steven, "The Billboard: A Beacon for Big Foot?" Washington County Observer, Vol. 1, Issue 12, April 15, 2010

Worden, Steven, "Going to See the Mystic," Washington County Observer, Vol. 1, Issue 10, April 1, 2010

Worden, Steven, "Let's All Get Outside!" Washington County Observer, Vol. 1, Issue 8, March 4, 2010

Worden, Steven, "A Spring Morning in Winslow," Washington County Observer, Vol. 1, Issue 6, March 18, 2010

Worden, Steven, "Feasting and Fasting," Washington County Observer, Vol. 1, Issue 4, February 18, 2010

Worden, Steven, "Give It Up," Washington County Observer, Vol. 1, Issue 2, February 3, 2010

Worden, Steven, "Congratulations on Your Promotion, Major," West Fork Zephyr, Vol. 1 January 7, 2010

Worden, Steven, "Boots on the Ground," West Fork Zephyr, Vol. 1 December 1, 2009

Worden, Steven, "You Be Good," West Fork Zephyr, Vol. 1 November 3, 2009

Worden, Steven, "Insightful Religious Experiences," West Fork Zephyr, Vol. 1 October 3, 2009

Worden, Steven, "The Little Plausibility Structure in the Wildwoods," West Fork Zephyr, Vol. 1 September 3, 2009

Zajicek, Anna, Joseph Rencis, **Shauna Morimoto**, and Valerie Hunt, "Transforming the Academic Workplace: An Evaluation of the ADVANCE Program in Colleges of Engineering (2001 – 2008)," The Annual Conference of the American Society for Engineering Education, Louisville, KY, June 20 – 23, 2010

Guzan, Rodica and **Anna Zajicek**, "Images of Trafficked Women: A Case Study of Media and Social Science Discourse in Moldova," Annual American Sociological Association Conference, San Francisco, CA, August 2009

World Languages

CHAPTERS IN BOOKS:

Jones, Linda. "Supporting listening comprehension and vocabulary acquisition with multimedia applications: The students' voice. In P. Hubbard, (Ed.), *Computer Assisted Language Learning: Critical concepts in Linguistics, Volume II: CALL and Language Skills*. New York and London, Routledge Press, 2010: 53-78

Restrepo, Luis Fernando. "Colonial Thought." *A Companion to Latin American Philosophy*. Edited by Susana Nuccetelli, Ofelia Schutte, and Otávio Bueno. New York: Blackwell, 2009. 36-52.

Restrepo, Luis Fernando. "The Ambivalent Nativism of Lucas Fernandez de Piedrahita." *Creole Subjects in the Colonial Americas*. Edited by Ralph Bauer and Jose A Mazzotti. Chapel Hill: Omohundro Institute, U North Carolina Press, 2009: 334-354.

Villalobos, Sergio Roberto. "Catastrophe and Repetition: On Patricio Marchant's Poetical Thinking." *Arena Romanistica*. Edited by Elizabetta Ansa Fornazzari. Santiago: Editorial del Sur-ILAES, 2010.

Villalobos, Sergio Roberto. "Marx-Heidegger: Notas sobre la complementariedad entre destrucción y crítica del valor." *Crítica de la Acumulación*. Edited by Alessandro Oscar Cabezas.

Tucker, Janet. "Dostoevsky's Crime and Punishment: Intertextuality in the Epilogue," F.M. Dostoevsky in the Context of Cultural Dialogues. Proceedings of the 13th Symposium of the International Dostoevsky Society (July 3-8, 2007, Budapest), Katalin Kroó and Tünde Szabó, eds., invited submission, Budapest: ELTE, 2009, 517-521.

REFEREED ARTICLES:

Billings, Sabrina. "Speaking Beauties: Linguistic Posturing, Language Inequality, and the Construction of a Tanzanian Beauty Queen." *Language in Society*. (2009).

Ruiz, M. Reina. "Historia, mito y realidad: la representación de lo trágico en el teatro de Rojas Zorrilla." *Teatro clásico español: Hacia la tragedia*. Frankfurt, Madrid: Vervuert Iberoamericana, (2009). 351-61.

Ruiz, M. Reina. "El teatro en las aulas: del texto dramático a la práctica escénica." *Revista Galega de Teatro* 59 (2009): 33-35.

Ruiz, M. Reina. "Humortal: Cuatro hombres, un ataúd y un muerto de risa." *Cartografía teatral: Los escenarios de Cádiz en el FIT 2008*. (2009): 170-174.

Villalobos, Sergio Roberto. "A Kind of Hell: Roberto Bolaño and the Return of World Literature." *Journal of Latin American Cultural Studies* 18: 2-3, (2009): 193-205.

Villalobos, Sergio Roberto. "Como una nubecita en la retina. Notas sobre terrorismo, historia sacrificial y crisis anómica." *Hoja de Ruta* 27 (2009): 19-26.

Villalobos, Sergio Roberto. "Modernismo y desistencia. El debate sobre la neovanguardia y el retorno a la Avanzada." *Revista De/rrotaR* 1, 2 (2009): 46-68.

Villalobos, Sergio Roberto. "Negatividad, deconstrucción y política en el pensamiento contemporáneo." *Exclusiones: reflexiones críticas sobre subalternidad, hegemonía y biopolítica*. Edited by Felipe Victoriano y Jaime Osorio. Universidad Autónoma de México: México, (2010): 151-190

UNREFEREED PUBLICATIONS:

Hoyer, Jennifer, Nelly Sach's *Flucht und Verwandlung* (Literary Encyclopedia, online).

INVITED LECTURES:

Condray, Kathleen. "Was? Kommst du aus Deutschland?: Exploring National Identity in the Works of Turkish-German Director Fatih Akin." UALR, Little Rock, Arkansas, September 2009.

Condray, Kathleen. "The Legacy of Friedrich Gerstaecker: How Arkansas became Germany's Wild West." Museum of the Grand Prairie, Stuttgart, Arkansas, June 2009.

Condray, Kathleen. "Introduction to *Apachen*." November 5, 2009, JB Hunt 207.

Hoyer, Jennifer. "Nelly Sachs and Politics of Holocaust." OMNI book forum on women's writing. March 5, 2010, Omni Center for Peace and Justice. (Also televised on local access cable).

Hoyer, Jennifer. "Poesie ist die Grundlage der Nation!" German Summer School, Taos. June 2009.

Hoyer, Jennifer. "'It would take a Dante, a Shakespeare:' King Lear and the Post-Holocaust." Tulsa University, Oct. 27th, 2009.

Hoyer, Jennifer. "NDW-USA! German pop music in the US top 40." U. of Arkansas Symposium marking 20 years of the Fall of the Berlin Wall. Nov. 10th, 2009.

Levine, Daniel "Shaky Hands, Misty Eyes, and Weary Limbs: Greek Poetry of Retirement" Invited Lecture at Gustavus Adolphus College: St. Peter, Minnesota. May 8, 2010.

Levine, Daniel "Metamorphoses of the Parthenon" Invited Lecture at Osher Institute for Lifelong Learning: Center for Continuing Education, Fayetteville, Arkansas. December 1, 2009.

Levine, Daniel "Whose Parthenon is it, Anyway? Invited Lecture at Osher Institute for Lifelong Learning: Center for Continuing Education, Fayetteville, Arkansas. December 1, 2009.

Levine, Daniel "Ancient Greek Religion" Osher Institute for Lifelong Learning: Center for Continuing Education, Fayetteville, Arkansas. December 8, 2009.

Pappas, Alexandra "Picture This! Words as Art in the Ancient Greek World." Invited, funded speaker (October) as part of year-long "Word and Image" speaker series at Hendrix College.

Restrepo, Luis Fernando. "Trazas coloniales de la memoria muisca." Coloquio sobre El Carnero. Universidad de los Andes, Bogota. July 17, 2009. Invited key note speaker.

Restrepo, Luis Fernando. "Fray Bartolomé de las Casas, derechos humanos y el derecho internacional. Reflexiones en cuanto a la teoría de la guerra justa." John Brown University. February 3, 2010.

Restrepo, Luis Fernando. "Post Humanism, Creole Science and the New American Republics: Jorge Tadeo Lozano's La fauna cundinamarquense and the Botanical Expedition of New Granada." (Colombia), in the Symposium 1810: Insurgency in Spanish America. Bowdoin College, April 16, 2010.

Villalobos, Sergio Roberto. Lecture for the Doctoral Program in Philosophy, Universidad Metropolitana de Ciencias de la Educación, Santiago, Chile. July 2009.

OTHER LECTURES, PAPERS, AND ORAL PRESENTATIONS:

Arenberg, Nancy. : “Reconfiguring the Turkish Bath as a Place of Resistance in Sebbar’s *Les Femmes au bain*.” Kentucky Foreign Language Conference, University of Kentucky, April 2010.

Billings, Sabrina. “Locating ideologies: Audiences and indexical non-congruence in Tanzanian beauty pageants.” Paper presented at *Explorations in Ethnography, Language, and Communication: Focus on Data*. Birmingham, England (Aston University). September 10-11, 2009. Refereed.

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Christiansen, Hope. “Son and Lovers: The Child as Narrative Linchpin in Marcelle Tinayre’s *La Rebelle*.” Kentucky Foreign Language Conference, April 2010.

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Comfort, Kathy. “Proustian Resonances in Annie Guéhenno’s *L’Épreuve*,” Kentucky Foreign Language Conference, University of Kentucky, April 2010.

Condray, Kathleen. “ ‘What Can You Do With That?’: Practical Student Career Advice.” American Council on the Teaching of Foreign Languages, San Diego, California, November 2009.

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Fukushima, Tatsuya. "Media Polarization: A New Trend in Japanese Newspaper Editorials." 2010 Annual Conference for the International Association of Asian Studies (Baton Rouge, LA; February 8-13, 2010).

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Jones, Linda. "Who Blogs? Examining the Role of Personality in Cross-Cultural Blogging Assignments". Refereed Paper Presented at the Kentucky Foreign Language Conference, University of Kentucky. April, 2010.

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Pappas, Alexandra "Language Arts: The Hellenistic Technopaegnia as Art Historical Theory and Practice." Refereed paper delivered (January) at the annual meeting of the American Philological Association, our field's largest and most competitive conference. Applied for and was granted Dean's Travel Grant to attend.

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Rozier, Louise. Dr. Roier presented her translation of the story, "Latte", by Paola Masino at the 32nd Annual Conference of the American Literary Translation Association in Pasadena, CA, November 2009.

Ruiz, M. Reina. Cervantes, Góngora y Feliciano Enríquez de Guzmán: voces discordantes de *la monarquía cómica*." AITENSO (International Association for Golden Age Theater). Olmedo, Spain. July 2009.

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WALTON COLLEGE OF BUSINESS

Accounting

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Tangari, Andrea and Scot Burton. "Promoting sustainable Consumer Behavior: The Moderating Effect of Psychological Distance Dimensions on the Influence of Environmental Concern." American Marketing Association Winter Educators' Conference Proceedings, Chicago, IL: American Marketing Association, 2010.

INVITED LECTURES:

Anand, V., Ellstrand, A. Rajagopalan, M. Waller, I. Reychav M. Datta. "The Effectiveness of Organizational Accounts in Response to Corruption Allegations." Presented at Academy of Management Meetings, Chicago, IL., 2009.

Bouwman, Marinus. "Program Learning Assurance: Lessons Learned" Presented at Arkansas State Society of CPAs Fifth Annual Accounting Educators' Conference, Little Rock, Ark.

Cassell, Cory A. (Presenter & Author) "The Emergence of Second-Tier Auditors: Evidence from Investor Perceptions of Financial Reporting Credibility" Presented at American Accounting Association Annual Meeting, San Francisco, Calif., 2010.

Cassell, Cory A. (Presenter & Author). "The Emergence of Second-Tier Auditors: Evidence from Investor Perceptions of Financial Reporting Credibility" Presented at Conference on Financial Reporting, Auditing and Governance, Bethlehem, PA.

Cassell, Cory A. (Presenter & Author). "A New Era for the Big 8? Evidence on the Association Between Earnings Quality and Audit Firm Type" Presented at American Accounting Association Annual Meeting, New York, NY, 2009.

Cassell, Cory A. (Presenter & Author). "The Relation Between the Strength of Corporate Governance and Auditor-Client Realignment" Presented at Conference on Financial Reporting, Auditing and Governance, Bethlehem, PA.

Davis, C.C. (Presenter & Author). "Business Intelligence Resources Available for SAP Retail" Presented at SAP Retail Curriculum Meeting, Fayetteville, AR, 2009.

Davis, F.D. (Presenter & Author). "User Acceptance of Information Technology: Research Progress, Current Controversies, and Emerging Paradigms" Presented at International Conference on Electronic Business, Taipei, Taiwan.

Davis, F.D. (Presenter & Author). "User Acceptance of Information Technology: Research Progress, Current Controversies, and Emerging Paradigms" Presented at Pre-ICIS Workshop on HCI in MIS, Montreal, Quebec.

Deck, C. Presented at Workshop on using Experiments in Undergrad Education, NSF, WCO-BBRL.

Ferrier, G. and R. Kali. Presented at Economics of Climate Change, Public Policy Forum.

Fort, I. and D. Gay. "Assessment, Grading & Rubrics" Presented at University of Arkansas TFSC Summer Teaching Retreat, Morrilton, AR, 2009.

Gay, D. and I. Fort. "Using Rubrics & Assessment" Presented at University of Arkansas School of Social Work Teaching Retreat, Fayetteville, AR, 2009.

Gu, J. Presented at University of Arkansas New Faculty Luncheon, Fayetteville, AR.

Taylor, L., N. Gupta, D. Ganster, V. Goodwin. "Method Myopia Revisited: Promoting a Cause and Effect in Organizational Behavior" Presented at Academy of Management Meetings, Chicago, IL, 2009.

Kepes, S., D. Ganster, N. Gupta. "Sales Self-Efficacy: Scale Development and Nomological Validation" Presented at Academy of Management Meetings, Chicago, IL, 2009.

Horowitz, A. "An Axiomatic Approach to the Measurement of Corruption" Presented at Brazilian Institute of Business and Capital, Rio de Janeiro, Brazil, 2009.

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Horowitz, A. “An Axiomatic Approach to the Measurement of Corruption: Theory and Applications” Presented at Federal University in Brasilia, Brasilia, Brazil, 2009.

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Horowitz, A. “Measuring Intra-Household Allocation: Two Problematic Issues” Presented at Brazilian Econometric Society Annual Meetings (SBE), Foz de Iguacu, Brazil, 2009.

Horowitz, A. “A Synthesis of Economic Development in Brazil and Argentina” Presented at University of Illinois-Champaign-Urbana, 2010.

Huang, Shawn. “Accounting Restatements, Financial Constraints, and Firm Growth: The Real Effects of Corporate Misreporting” Presented at Accounting Department Workshop.

Huang, Shawn. “Book Tax Differences and Firm Opacity” Presented at AAA Annual Conference, 2009.

Huang, Shawn. “The Influence of Regulation Fair Disclosure on Firm Cash Policy” Presented at AAA Annual Conference, 2009.

Huang, Shawn. “Legal Institutions, Accounting Standards, and Real Earnings Management” Presented at AAA Annual Conference, 2009.

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Jahedi, S. (Panelist). “But Wait There’s More! Highlighting Our New Services and Collections” Presented at University of Arkansas New Faculty Luncheon, Fayetteville, AR, 2009.

Jahedi, S. (Panelist). “Introduction to Resources at Cordes Teaching Center” Presented at University of Arkansas New Faculty Luncheon, Fayetteville, AR, 2010.

Jahedi, S. and F. Mendez. “Pilot Corruption Experiment” Presented at Experimental Economics, 2009.

Jahedi, S. (Panelist). “Writing, Using & Assessing Affective Outcomes” Presented at University of Arkansas New Faculty Luncheon, Fayetteville, AR, 2010.

Johnson, J. “Advanced Networks PDW: Theoretical and Empirical Applications of Social Network Analysis” Presented at Academy of Management Meetings, Chicago, IL, 2009.

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Andrews, D., “Hardware Microkernels for Heterogeneous Manycore Systems,” *Proceedings of the First International Workshop on Real-time Systems on Multicore Platforms: Theory and Practice (XRTS)* held in conjunction with the 38th International Conference on Parallel Processing (ICPP), Vienna, Austria, September 2009.

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Gauch, S., “When is a Rock not a Rock: Conceptual Approaches to Personalized Search, Browsing, and Recommendations,” Keynote Address, 9th International Conference on Adaptivity, Personalization and Fusion of Heterogeneous Information (RIAO 2010), Paris, France, April 28, 2010.

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Gordon, M.H., “Characterization of Alumina Thin Films for Cutting Tool and Biomedical Applications,” Shenyang, China, October 15, 2009.

Grimmelsman, K., “Dynamic Testing of an Elevated Storage Tank,” Presentation to ASCE Arkansas State Section Annual Conference, September 4, 2009, Little Rock, AR.

Grimmelsman, K.A., “Dynamic Testing for Quantitative Condition Assessment of Structures,” Presentation to the Structural Engineers Association of Arkansas Annual Meeting, November 6, 2009, Little Rock, AR.

Hall, Kevin D., “Bridging the Gap: Issues Related to Integrating Asphalt Mixture Design and Flexible Pavement Design”, *Annual Meeting of the Transportation Research Board*, Washington, D.C., January 2009.

Hall, Kevin D., “Effect of Mold Wear and Cleanliness on Density of Compacted Asphalt Specimens”, Sixth International Conference on Maintenance and Rehabilitation of Pavements and Technological Control (MAIREPAV6), Politecnico di Torino, Torino, Italy, July 9, 2009.

Hall, Kevin D., “Preparing the Civil Engineering Professional of Tomorrow”, American Society of Civil Engineers Multi-Regional Conference, San Francisco, CA, January 24, 2009.

Hall, Kevin D., “Materials Inputs for the Mechanistic-Empirical Pavement Design Guide”, 36th Annual Rocky Mountain Asphalt Symposium, Denver, CO, February 18, 2009.

Hall, Kevin D., “Characterization of Hot-Mix Asphalt for ME Design”, World of Asphalt, National Asphalt Pavement Association, Orlando, FL, March 9, 2009.

Hall, Kevin D., “MEPDG Sensitivity: Just the FAQs”, Southeast MEPDG User Group Meeting, Nashville, TN, March 25, 2009.

Hall, Kevin D., “MEPDG Model Calibration”, Southeast MEPDG User Group Meeting, Nashville, TN, March 25, 2009.

Hall, Kevin D., “Characterizing PCC Materials for the MEPDG”, Southeast MEPDG User Group Meeting, Nashville, TN, March 26, 2009.

Hall, Kevin D., “MEPDG Traffic Characterization”, Southeast MEPDG User Group Meeting, Nashville, TN, March 26, 2009.

Hestekin, Christa. “Detection of Disease-based Alterations Using Microchannel Electrophoresis.” Presented at the Department of Chemistry & Biochemistry, University of Arkansas, Fayetteville, AR, April 2, 2009.

Hestekin, J.A. “Biofuel Production from Algal Feedstocks.” Presented at the University of Toledo, Toledo, OH, 2009.

Huang, M., "Efficient Cache Design for Solid-State Drives", Texas A&M University, College Station, TX, March 26, 2010.

Johnson, S.L., “Truck Speed Differential: How Much of a Difference.” MOTIVE 2009 Spring Meeting (Institute of Transportation Engineers), Rogers, AR, February 2009.

King, J.W. “Industrial Applications of Supercritical Fluids” Presented at the 1st Seminary of Chemical Engineering at the Course, Workshop “Extraction with Supercritical Fluids,” Universidad Autonoma de Yucatan, Merida, Mexico, January 21-23, 2009.

King, J.W. “Reduction in Solvent Use and Analytical Method Complexity Using Critical Fluids.” Presented at Hendrix College, Conway, AR, March 16, 2009.

King, J.W. “Integration of Sub- and Supercritical Fluids for the ‘Green’ Processing of Biorenewable Products.” Presented at the 100th Anniversary Meeting of American Oil Chemists Society, Orlando, FL, May 3-6, 2009.

King, J.W. “Chemical Reactions in Critical Fluids: Multidisciplinary Applications in Chemistry and Chemical Engineering.” Presented at the University of Arkansas at Little Rock, Little Rock, AR, May 17, 2009.

King, J.W. “A Tactical Approach for the Multi-Pressurized Fluid Processing of Agricultural and Natural Products for Foods and Renewable Biofuels.” Presented at the Universidade de Vigo-Ourense, Ourense, Spain, May 22, 2009.

King, J.W. “Development of Integrated Critical Fluid Extraction: Reaction Platform for Biochemical and Biofuels Production.” Presented at the School of Chemical Engineering, Mississippi State University, Mississippi State, MS, 2009.

Mason, S. J., “An Analysis of Forced Transfer Busing for Elementary School Students.” Clemson University, Clemson, South Carolina, 2009.

Mason, S. J., “Introduction to Scheduling.” Universidad de Centro Americana, San Salvador, El Salvador, 2009.

Mason, S. J., “Optimizing Logistics for Improved Performance.” Rotary International, Rogers, Arkansas, 2009.

Mason, S. J., “Optimizing Logistics for Improved Performance.” Rotary International, Fayetteville, Arkansas, 2009.

Mason, S. J., “Modeling and Analysis of Semiconductor Manufacturing: From Research to Reality.” College of Engineering, Texas State University, San Marcos, Texas, 2009.

Mason, S. J., S. Garman, R. D. Meller, and S. E. Root, “Improving Retail Logistics Inventory via Effective Merchandise Flow Planning.” Industrial Engineering Research Conference, Miami, FL, May 2009.

Pohl, L. M., **R. D. Meller**, and K. R. Gue, “A New Aisle Design for Dual-Command Travel.” INFORMS Annual Meeting, San Diego, CA, October 2009.

Ozturkoglu, O., **R. D. Meller**, and K. R. Gue, “Improving the Fishbone: A New Design for Aisles in a Warehouse.” INFORMS Annual Meeting, San Diego, CA, October 2009.

Kirkizoglu, Z., and **R. D. Meller**, “Forced-Uniform Put-Away Strategy.” INFORMS Annual Meeting, San Diego, CA, October 2009.

Pazour, J. A., and **R. D. Meller**, “Analysis of a Picking Machine.” INFORMS Annual Meeting, San Diego, CA, October 2009.

Parikh, P. J., S. Finney, S., **R. D. Meller**, and K. R. Gue, “Is Narrow Better than Wide? Identifying the Optimal Aisle-Width When Designing a Picking Area.” INFORMS Annual Meeting, San Diego, CA, October 2009.

Meller, R. D., and McGinnis, L. F., “Operations Research in Warehouse Design: Is There a Role for Synthesis (vs. Analysis) in INFORMS?” INFORMS Annual Meeting, San Diego, CA, October 2009.

Meller, R. D., “How I Teach a Graduate Material Handling Course.” 2009 CICMHE Material Handling Teachers Institute, Fayetteville, AR, June 2009.

Lehlou, N., **R. D. Meller**, and N. Buyurgan, “Abstract Spacefilling Curve Layout Algorithm.” Industrial Engineering Research Conference, Miami, FL, May 2009.

Kirkizoglu, Z., and **R. D. Meller**, “The Co-Located Forward-Reserve Problem.” Industrial Engineering Research Conference, Miami, FL, May 2009.

Pazour, J. A., and **R. D. Meller**, “An Analytical Model for A-Frame System Design.” Industrial Engineering Research Conference, Miami, FL, May 2009.

Meller, R. D., and K. R. Gue, “Facility Logistics Tutorial: Designing Aisles in a Warehouse.” Industrial Engineering Research Conference, Miami, FL, May 2009.

Meller, R. D., “Preparing for Research: Successful Strategies.” IIE New Faculty Colloquium, Miami, FL, May 2009.

Meller, R. D., and J. Fiksel, “Obtaining Industry Research Funding Panel.” IIE Doctoral Colloquium, Miami, FL, May 2009.

Meller, R. D., “A New Look at an Old Problem and Thoughts on the Value of Research.” 2009 International Conference on Industrial Engineering and Systems Management, Montreal, Canada, May 2009.

Meller, R. D., W. W. Churchill, and J. Martin, “Partnering with a Third-Party Repackager for Unit-Dose Medication Acquisition.” The unSUMMIT for Bedside Barcoding, Tampa, FL, May 2009.

Meller, R. D., and Z. Kirkizoglu, “Distribution Center Configuration Models: Forward-Reserve Allocation at Medline.” CELDi Spring Meeting, Charlotte, NC, April 2009.

Meller, R. D., “Multi-Site I/UCRCs.” 2009 NSF I/UCRC Annual Meeting, Arlington, VA, January 2009.

Nachtmann, H. and E. A. Pohl, “Life after the EHCR: Data for the New Millenia.” AHRMM Webinar, December 2009.

Nachtmann, H., “Cost and Quality Project Update.” CIHL Semi-Annual Sponsors Meeting, Fayetteville, AR, November 2009.

Nachtmann, H., “Emergency Medical Response via Inland Waterways.” Fayetteville Chamber of Commerce Transportation Committee, Fayetteville, Arkansas, October 2009.

Nachtmann, H. and E. A. Pohl, “2010 GLN Sunrise – What Else is Needed to Reach the Industry Goal?” GS1 Healthcare USTM Workgroup Forum, Chicago, Illinois, October 2009.

Nachtmann, H. and E. A. Pohl, “The State of Healthcare Logistics.” Association for Healthcare Resource and Materials Management 47th Annual Conference, Tampa, Florida, July 2009.

Nachtmann, H., “Mack Blackwell Rural Transportation Center – Research Overview.” U.S. Department of Homeland Security NTSCOE Director’s Meeting, Washington, D.C., May 2009.

Nachtmann, H. and E. A. Pohl, “Cost and Quality in Healthcare Logistics.” HIMSS Supply Chain Special Interest Group, Webinar, March 2009.

Nachtmann, H., “University Transportation Centers-Best Practices on Pre-College Outreach.” USDOT, RITA UTC Program Grant Recipients Meeting, Washington, D.C., January 2009.

Nutter, D., “Energy Management in Today’s Sustainability Movement”, *presented at the AMS Green Manufacturing workshop*, October 15, 2009.

Nutter, D., “Carbon Footprint, LCAs, and Sustainability in the Food Industry”, *Keynote Speaker, 2009 University of Arkansas Rice Processing Program Industry Alliance Meeting*, Fayetteville, AR, August 5, 2009.

McKechie, A. and **D. Nutter**, “Managing Energy for your Bottom Line: How to Get Started”, *webinar, via the Dairy Processor Carbon Reduction through Energy Efficiency (D-CREE) Program and Innovation Center for U.S. Dairy*, June 11, 2009.

Nutter, D., Thoma, G., Kim, D., and Ulrich, R., “Determining the Carbon Footprint of Fluid Milk Processing”, *IFT 2009 Annual Meeting*, Anaheim, CA, June 6-9, 2009.

Nutter, D., “Improving the Energy Efficiency of Arkansas K-12 School Buildings”, *webinar*, June 3, 2009.

Thoma, G., Matlock, M., Popp, J., Kim, D., **D. Nutter**, and Ulrich, R., “Global Warming Potential for Production of Milk in Five Regions of the United States”, *SETAC Europe 19th Annual Meeting*, May 31 – June 4, 2009, Göteborg, Sweden.

Eckl, R. and **D. Nutter** “A Discussion about the Fiscal, Technological, and Behavioral Factors Involved with Deciding to Implement Energy Efficiency Measures”, *presented at the Western Arkansas Energy Efficiency Meeting*, Ft. Smith, AR, May 28, 2009.

Nutter, D., “Improving the Energy Efficiency of Arkansas K-12 School Buildings”, *webinar*, May 18, 2009.

Kim, D., **D. Nutter**, Thoma, G., and Ulrich, R., “Fluid Milk ‘Processor’ LCA”, *98th Annual ODI Conference, Salem, OR*, April 7-8, 2009.

Nutter, D., Thoma, G., Matlock, M., Ulrich, R., and Kim, D., “What is your Carbon Footprint and Why Should You Care?”, *IDFA 2009 Sustainability Workshop*, Dallas, TX, March 11-12, 2009.

Nutter, D., “Prioritizing Energy and Efficiency Measures (EEMs) in Small and Medium-sized K-12 School Buildings”, *presented to the DeQueen/Mena Educational Service Cooperative*, Gillham, AR, February 12, 2009.

Nutter, D., “Survey of Energy and Sustainability Research”, *presented to the Northwest Arkansas Chapter of the American Society of Heating, Refrigerating, and Air-Conditioning Engineers*, Fayetteville, AR, January 15, 2009.

Rardin, R., “Panel Discussion: Healthcare in Systems Engineering: Past, Present and Future Directions.” *INFORMS National Meeting*, San Diego CA, October 2009.

Rardin, R., N. Buyurgan, “The Critical Role of Advances in RFID and Barcode Technologies in Enabling Modern Healthcare Supply Chain Operations.” *Arkansas HIMMS chapter meeting*, Rogers AR, October 2009.

Rardin, R., “IT Support for the GS1 Standards: Lessons Learned from the CIHL Provider Implementation Pilot.” *GS1 US Healthcare Workgroup Meeting*, Chicago IL, October 2009.

Rardin, R., “Provider Implementation of Healthcare Supply Chain Data Standards.” *Society for Arkansas Healthcare Purchasing and Materials Management*, Little Rock AR, October 2009.

Roberts, T.C. and **Rencis, J.J.**, "Creating a Culture for Scholarly and Systematic Innovation in Engineering Education," *The 44th American Society for Engineering Education (ASEE) Midwest Section Meeting*, University of Nebraska, Lincoln, NE, September 16-18, 2009, Main Plenary.

Roper, D.K. “Surface Plasmons in Nanoparticle Arrays.” Presented at the Ralph E. Martin Department of Chemical Engineering, University of Arkansas, Fayetteville, AR, February 26, 2009.

Roper, D.K. “Photon-plasmon Enhancement in Subwavelength Nanostructures.” Presented at the Department of Chemistry & Biochemistry, University of Arkansas, Fayetteville, AR, February 27, 2009.

Roper, D.K. “Electromagnetics and Transport in Nano/Bio for Health, Energy and Environment.” Presented at the Department of Physics, University of Arkansas, Fayetteville, AR, April 10, 2009.

Roper, D.K. “Synchronous Radiative Enhancement of Digital Light Processing.” Presented at Kilby Laboratory, Texas Instruments, Inc., Dallas, TX, June 10, 2009.

Root, S. E., J. A. Pazour, L. M. Thomas, R. D. Meller, and S. J. Mason, “Unit Dose Repackaging Systems Analysis.” Industrial Engineering Research Conference, Miami, FL, May 2009.

Sau-Wee Koh and **A. Saxena** “A Method for Use of In-service Inspection Data in Predicting Future Inspection Intervals for Seam-Welded Steam Pipes”, *Keynote lecture at the 5th International Conference on Welds*, Sanibel Island, June 2009.

Saxena, A, “Mechanical Behavior of Bulk Nanocrystalline Materials” Invited keynote lecture at the meeting of *Italian Group of Fracture*, Torino, Italy, September, 2009.

Selvam, R.P. “Computer modeling for bridge aerodynamics”, The 4th Meeting of the MidSouth Chapter of the Acoustical Society of America, March 6-7, University of Central Arkansas Campus, Conway, AR.

Selvam, R.P., “Validation of the enhanced integrated climate model”, Transportation Research Committee 88th Meeting, Little Rock, AR, May 5-6.

Selvam, R.P., “GPU computing for nano-solid-fluid mechanics and nanoscience application for improved concrete performance”, Army Corps of Engineers Engineering Research Development Center (ERDC), Vicksburg, MS, Oct. 5.

Selvam, R.P., “Infrastructure mitigation and sustainable energy”, Freshman Honors Students Presentation, University of Arkansas, Oct. 2.

Wang, C., M. Daneshmand, and **K. Sohraby**, “Optimization of Tag Reading Performance in Generation-2 RFID Protocol,” *Elsevier Computer Communications* (Invited), 32(11), July 2009, pp. 1346-1352.

Spearot, D.E., Rajgarhia, R. and Saxena, A. "Plastic Deformation of Single Crystal and Nanocrystalline (NC) Copper: Influence of Antimony Dopants on Dislocation Nucleation," presented at: *Plasticity 2009*, January 3-8, 2009, St. Thomas, USVR.

Spearot, D.E., "Grain Growth and Plastic Deformation in Copper-Antimony Solid-Solution Alloys: Experiments and Molecular Dynamics Simulations," presented at: *Sandia National Laboratories*, August 10, 2009, Albuquerque, NM.

Thoma, Greg. “Carbon Footprinting and the Pork Industry.” Presented at the Swine Educators Conference, Des Moines, IA, January 2009.

Thoma, Greg. “Pork, Carbon and You.” Presented to the Environment Committee of the National Pork Board, Raleigh Durham, NC, February 2009.

Thoma, Greg. “Carbon Footprint of Fluid Milk in the United States.” Presented to the USDA Agriculture Air Quality Task Force, Des Moines, IA, September 16-17, 2009. First presented at the International Dairy Federation Workshop “Towards a Standard Methodology for Carbon Footprint in the Dairy Sector,” Brussels, Belgium, June 18-19, 2009.

Thoma, Greg. “Mitigating Environmental Impacts of the Fayetteville Shale Play.” Presented at the Arkansas Society of Petroleum Engineers Fall Luncheon, Fort Smith, AR, November 2009.

Thoma, Greg, Jason Frank, Charles Maxwell, Cash East and Darin Nutter. “National Scan-level Carbon Footprint Study for Production of US Swine.” Presented to the National Pork Board Working Group, Des Moines, IA, October 2009.

Tung, S., “Integrating Micro-/Nano-Scale Biological and Abiological Materials for Bio/Abio Hybrid Systems” *IEEE International Conference on Nano/Micro Engineered and Molecular Systems (IEEE NEMS)*, Shenzhen, China. Jan 5-8, 2009.

Tung, S., “Microfluidic Systems for Biosensing Applications” *Department of Chemistry, University of Arkansas*, Feb 27, 2009.

Tung, S., “Physical Properties of Individual Avian Influenza Viruses” *IEEE International Conference on Nano/Molecular Engineering and Medicine (IEEE NANOMED)*, Tainan, Taiwan, Oct 18-21, 2009.

Uchchukwu, W., “DEP-Based Nanomanipulation and Assembly of Carbon Nanotubes: Modeling and Experiments”, *The 2009 IARP Workshop on Service Robotics and Nanorobotics*, Beijing, China. October 27-29, 2009.

Uchchukwu, W., “Micro and Nano Systems: Modeling, Control, and Experiments”, *University of Illinois at Chicago, Department of Mechanical and Industrial Engineering*, Chicago, IL. November 10, 2009.

Uchchukwu, W., “A Calibration Method of MEM Inertial Sensor Based on Optical Tracking and Measurements”, *Shenyang Institute of Automation, Chinese Academy of Sciences*, Shenyang, China, January 4, 2009.

Williams, R.D., “Utilizing Water Treatment Residuals to Reduce Phosphorus Runoff Biosolids”, Arkansas Natural Resources Commission NPS Stakeholder and Project Review, Little Rock Arkansas, September 15, 2009.

Williams, S., “Recycled Asphalt Shingles in Asphalt Pavements”, Transportation Research Committee, 89th Annual Meeting, Arkansas Highway and Transportation Department, Little Rock, Arkansas, November 17, 2009.

Williams, S., “Development of Methods for Estimating Remaining Life of Hot-Mix Asphalt Field Mixes”, Transportation Research Committee, 89th Annual Meeting, Arkansas Highway and Transportation Department, Little Rock, Arkansas, November 17, 2009.

Williams, S., “An Investigation of Warm Mix Asphalt Design and Construction”, Transportation Research Committee, 89th Annual Meeting, Arkansas Highway and Transportation Department, Little Rock, Arkansas, November 17, 2009.

Williams, S., “Research Labs to Real Life: Pavements Research at the University of Arkansas”, Pavement Preservation Seminar, Southern Star Materials, Little Rock, Arkansas, October 21, 2009.

Williams, S., “CTTP Overview”, MBTC Annual Advisory Board Meeting, Fayetteville, Arkansas, October 20, 2009.

Williams, S., “National Pollutant Discharge Elimination System Certification, Erosion Control, and Best Practices”, Annual Convention, Arkansas Asphalt Pavement Association, Hot Springs, Arkansas, March 19, 2009.

Williams, S., “Warm Mix Asphalt”, Annual Convention, Arkansas Asphalt Pavement Association, Hot Springs, Arkansas, March 18, 2009.

Williams, S., “CTTP Update”, presentation to Hot Springs Village Property Owner’s Association Board and Public Works Committee, Hot Springs Village, Arkansas, Jan. 22, 2009.

Williams, S., “4.75mm Update”, Arkansas Quality Asphalt Conference, Arkansas asphalt Pavement Association, Little Rock, Arkansas, January 9, 2009.

Williams, S., CTTP Annual Review Presentation, CTTP Advisory Board Meeting, December 16, 2009.

Zou, M., “Nano-engineered Surfaces,” *5th International Conference on Tribochemistry*, Lanzhou, China. Sep. 14-16, 2009.

Zou, M., “Tribological and Wetting Properties of Nano-engineered Surfaces,” *Nanjing University of Aeronautics and Astronautics Invited Talk 2009*, Nanjing, China, Oct. 13, 2009.

Zou, M., “Nano-engineered Surfaces,” *Southwest Research Institute Invited Talk 2009*, San Antonio, TX, Dec. 18, 2009.

OTHER LECTURES, PAPERS, AND ORAL PRESENTATIONS:

Abbott J, Carrier DJ, Medina Bolivar F and Clausen E. 2009. Determination of biological activity of stilbenoids resveratrol, piceatannol, arachidin-1, and arachidin-3. Institute of Food Technology, Anaheim, CA (poster presentation).

Abbott J, Carrier DJ, Medina Bolivar F and Clausen E. 2009. Purification and determination of antioxidant activity of bioactive stilbenoids from hairy root cultures of peanut. IPMB, St-Louis, MO (poster presentation).

Abbott, J.A., A.S. Engelberth, E.M. Martin, E.C. Clausen, H. Villagarcia, F. Medina-Bolivar and D.J. Carrier. "Purification and Determination of Antioxidant Activity of Bioactive Stilbenoids from Hairy Root Cultures of Peanut." Poster presented at the 9th International Plant Molecular Biology (IPMB) Congress, St. Louis, MO, October 25-30, 2009.

Abbott, J.A., D.J. Carrier, F. Medina-Bolivar and E.C. Clausen. "Determination of Biological Activity of Stilbenoids Resveratrol, Piceatannol, Arachidin-1 and Arachidin-3." Presented at the IFT09 Annual Meeting and Food Expo, Anaheim, CA, June 9, 2009.

Ahn, Wonmi, Phillip Blake and D. Keith Roper. "Fabrication of Periodic Gold Nanoparticle Assemblies on Silica Using Selective Electroless Gold Plating Combined with Nanosphere Lithography." Abstract. 237th ACS National Meeting, Salt Lake City, UT, March 22-26, 2009.

Ahn, Wonmi and D. Keith Roper. "Gold Island Film Patterning Via Selective Electroless Plating On Vapor-Deposited Silane Monolayers." Presented to the University of Arkansas Chapter of the Materials Research Society, Fayetteville, AR, November 2009. First presented at the AIChE Annual Meeting, Nashville, TN, November 7-13, 2009.

Leh, M., and **S. G. Bajwa**. 2009. Identifying sediment source areas in a mixed land use watershed. In. Proc. International Conference on Food Security and Environmental Sustainability. Dec. 17-19. Kharagpur, West Bengal, India.

Bajwa, S. G. 2009. Non-linear models for estimating nutrient value of ground beef patties from spectral data. In. Proc. International Conference on Food Security and Environmental Sustainability. Dec. 17-19. Kharagpur, West Bengal, India.

Kulkarni, S. S., and **S. G. Bajwa**. 2009. Correlation of crop response to soil compaction in Cotton. In. Proc. of 2009 Beltwide Cotton Producers National Research Conferences, January 5-8, San Antonio TX.

Kulkarni, S. S., L. Espinoza, T. Griffin, **S. G. Bajwa**, and E. Barnes. 2009. Soil compaction patterns by On-board module builders. Rice field day at RREC, Stuttgart, Arkansas. (poster).

Leh, M., **S. G. Bajwa**, I. Chaubey, and J. Cothren. 2009. Monitoring and measuring stream bank erosion using digital photogrammetry. In. Proc. ASABE Annual Meeting. St. Joseph, MI: ASABE.

Bajwa, S. G., D. S. Bajwa, and G. H. Holt. 2009. Evaluation of cotton gin byproducts as a lingo-cellulosic filler in polymer composites. International workshop on Cotton, 9-11 Nov 2009, Central Institute for Research on Cotton Technology, Nagpur, India.

Bandekar, P., **S. G. Bajwa**, M. Saleh, and J.-F. Meullenet. 2009. Measuring ammonia-N in water using near infrared spectroscopic technique. Annual Meeting of Arkansas Section of ASABE. Oct. 3, 2009, Little Rock, AR.

Leh, M., **S. G. Bajwa**, I. Chaubey, J. Cothren, and K. Asante. 2009. Measuring stream bank erosion using aerial imaged and digital photogrammetry. AWRA Annual Meeting and Conference. Fayetteville, AR.

Bartsch, L., and B. Haggard. Pharmaceuticals and organic wastewater compounds in water and bed material downstream of three municipal effluent discharges. Arkansas Water Resources Center Annual Research Conference, Fayetteville, Arkansas – April 2009.

Beitle, Robert R., McKinzie Fruchtl, Alicia Kight, Tammy Rechten, Ralph Henry, Arash Hatefi and Brenda Canine. “Bioprocess Optimization for the Production of Biopolymer Conjugates Useful for Gene Therapy Applications.” Presented at the AIChE Annual Meeting, Nashville, TN, November 7-13, 2009.

Blackburn, D.G., R. Ulrich, M.E. Elwood Madden, J.R. Leeman and V.F. Chevrier. “Experimental Study of the Kinetics of CO₂ Hydrate Dissociation Under Simulated Martian Conditions.” Poster presented at the 40th Lunar and Planetary Science Conference, The Woodlands, TX, March 23-27, 2009.

Blake, Phillip, Wohnmi Ahn and D. Keith Roper. “Formation of Spherical Nanoparticle Arrays via Electron-Beam Lithography.” Poster presented at the AIChE Annual Meeting, Nashville, TN, November 7-13, 2009.

Bobbitt, N.S. and J.W. King. “Biodiesel Dilute n-Alcohol Mixture Characterization by Physicochemical Gas Chromatography.” Poster presented at the AIChE Annual Meeting, Nashville, TN, November 7-13, 2009.

Buyurgan, N. “Analysis of RFID Technology in a Multi-Echelon Supply Chain.” Istanbul Technical University RFID Research and Test Center Seminar Series, Istanbul, Turkey, November, 2009.

Buyurgan, N. “Analysis of RFID Technology in a Multi-Echelon Supply Chain.” Bilkent University Graduate Seminar Series, Istanbul, Turkey, November, 2009.

Buyurgan, N. “Analysis of RFID Technology in a Multi-Echelon Supply Chain.” Middle East Technical University, Graduate Seminar Series, Istanbul, Turkey December, 2009.

Carrier, D.J. and E.C. Clausen. "Co-product Extraction from Feedstock Prior to Conversion to Biofuels." Presented at the Sixth Annual World Congress on Industrial Biotechnology and Bioprocessing, Montreal, Quebec, July 19-22, 2009.

Carrier, D.J., K. Bunnell, S.N. Wallace, W.R. Penney and E.C. Clausen. "Design and Operation of a Countercurrent Extractor for Extraction of Flavonolignans." Presented at the IFT09 Annual Meeting and Food Expo, Anaheim, CA, June 9, 2009.

Carrier, Julie, Edgar Clausen and Mathew Pelkki. "Understory Biomass from Pine Forests." Poster presented at the 238th ACS National Meeting, Washington, DC, August 16-20, 2009.

Carrier, Julie, Edgar Clausen, Mathew Pelkki and Elizabeth M. Martin. "Understory Biomass from Pine Forests: Use as Feedstock for Cellulosic Ethanol." Poster presented at the 238th ACS National Meeting, Washington, DC, August 16-20, 2009.

Carrier, DJ. 2009. Extraction of co-products from forestry biomass. University of Arkansas at Monticello, AR.

Carrier DJ, Bunnell K, Wallace S, Penny R and Clausen E. 2009. Design and operation of a countercurrent extractor for the extraction of flavonolignans. Institute of Food Technology, Anaheim, CA (poster presentation).

Carrier DJ, and Clausen E. 2009. Understory biomass from pine forests: Use as feedstock for cellulosic ethanol ACS meeting Washington, DC (poster presentation).

Sullivan, K.M., **C.R. Cassady**, "The CMS+ System for Ranking College Football Teams." 2009 Industrial Engineering Research Conference, Miami, FL, May, 2009.

Cassady, C.R., S.W. Mulvenon, "Initial Analysis of Freshman-to-Sophomore Retention in a New First-Year Engineering Program." ASEE Annual Conference & Exhibition, Austin, TX, June, 2009.

Schneider, K., H.A. Schluterman, **C.R. Cassady**, "A First-Year Experience Course Sequence for Engineering Students at the University of Arkansas." 2009 Midwest Section Conference of the American Society for Engineering Education, Lincoln, NE, September, 2009.

Chevrier, V.F., R. Ulrich and T.S. Altheide. "Viscosity of Liquid Ferric Sulfate Solutions and Application to the Formation of Gullies on Mars." Poster presented at the 40th Lunar and Planetary Science Conference, The Woodlands, TX, March 23-27, 2009.

Clausen, E.C. "Liquid Fuel Production from Biomass." Presented at the REU Program "Using Algae to Produce Biodiesel," University of Arkansas, Fayetteville, AR, June 2009.

Clausen, E.C. "The Importance of Participation in Pre-AP and AP Classes." Presented at George Junior High, Springdale, AR, August 2009.

Clausen, E.C. “Understanding Density and Viscosity.” Presented at the Bentonville TREC (Think, Research, Explore, Create) Center, 4th Grade Gifted and Talented Program, Bentonville, AR, October 2009.

Costello, T. A. 2009. Feasibility of on-farm litter combustion for space-heating poultry houses. Presented to the Atlantic Poultry Conference, Greenwich, Nova Scotia, Canada, February 20, 2009. (invited).

Costello, T.A., M. D. Matlock, H. Sandefur, S. C. Green, J. Hickle, R. Z. Johnston, C. N. Jones and B. Kennedy. 2009. Open Algae System for Bio-Energy Feedstock Production. Poster presented at the 2009 ASABE Annual International Meeting, Reno, Nevada, June 21 – June 24, 2009.

Thorbole, C., H. Lankarani, **T. A. Costello.** 2009. Temperature effect on the dynamic characteristics of the aircraft seat cushion. Proceedings of the 2009 International Mechanical Engineering Congress and Exposition, November 13, 2009. ASME. Designated: IMCE2009-12164. (peer reviewed, considered refereed in Mechanical Engineering).

Davis, Shannon G., Bryan W. Hill, Carol S. Gattis, Bradley M. Dearing, Christa N. Hestekin and Edgar C. Clausen. “UASPP: Three Years of Helping Middle School Teachers Devise Their Own Hands-on Engineering and Science Activities.” Proceedings of the 2009 ASEE Midwest Section Conference, University of Nebraska-Lincoln, Lincoln, NE, September 16-18, 2009.

Deonikar P, and Kavdia M. Experimental analysis of nitric oxide-red blood cells interactions using a novel micron scale flow system. Experimental Biology, New Orleans, LA, 2009.

Deonikar P, and Kavdia M. Nitric oxide interactions with red blood cell hemoglobin: Effect of NO Concentrations and hematocrit. Southern Biomedical Engineering Conference, Miami, Florida, 2009.

Deonikar P, and Kavdia M. Role of erythrocytes in nitric oxide transport in blood vessels. Biomedical Engineering Society (BMES). Annual Fall Meeting, October, 2009.

Deonikar P, and Kavdia M. Effect of membrane permeability & extracellular diffusion on nitric oxide transport to erythrocytes. Biomedical Engineering Society (BMES). Annual Fall Meeting, October, 2009.

Du, Jianjun, Robert Beitle, Edgar Clausen, Nikki Lorenz and Jamie Hestekin. “[Development of a Two Step Continuous Fermentation/Membrane Separation Process to Produce Butanol.](#)” Poster presented at the 19th Annual Meeting of the North American Membrane Society, Charleston, SC, June 20-24, 2009.

Duke J, Martin E, Lau C, Clausen E, Pelkki M and Carrier DJ. Pretreatment of sweetgum with dilute sulfuric acid. 31th Symposium on Biotechnology for Fuels and Chemicals, San Francisco, CA (poster).

Ellis, E., Yao, H., Veetil, J., Ye, K., Jin, S., “Visualization of HIV Protease Inhibition Using a FRET Molecular Probe”, 239th America Chemistry Society Annual meeting, March 21-25, 2010 San Francisco, CA.

El Shafie, A., R. Ulrich and L. Roe. “Penetration Forces for Subsurface Regolith Probes.” Poster presented at the 40th Lunar and Planetary Science Conference, The Woodlands, TX, March 23-27, 2009.

Crain, S., Bachelot, A. Baudrion, and **M. El-Shenawee**, “Collaborative Research Compact Microwave Imaging System Based on Antenna Array of Dielectric Resonators for Breast Cancer Detection,” *Proc. International Research Engineering and Education (IREE)*, Poster Session, Washington, DC., Feb 2010.

Megee, L., D. Macias, and **M. El-Shenawee**, “Collaborative Research: Compact Microwave Imaging System Based on Antenna Array of Dielectric Resonators for Breast Cancer Detection,” the 2009 *International Research Engineering and Education (IREE)*, Poster Session, Feb 1-3, Washington, D.C. 2009.

Engelberth, A.S., D.J. Carrier and E.C. Clausen. “Extraction and Identification of Julibroside Saponins from the Bark of *Albizia julibrissin*.” Poster presented at the 31st Symposium on Biotechnology for Fuels and Chemicals, San Francisco, CA, May 3-6, 2009.

Engelberth A, Carrier DJ and Clausen E. Ginsenoside purification: Hot water extraction vs. ultrasonic assisted extraction. 31th Symposium on Biotechnology for Fuels and Chemicals, San Francisco, CA (poster).

Fant, E., “Smart Cameras Documenting Quality Inspection.” Engineering and Technology of Pine Bluff Arsenal, White Hall, AR, March 2009.

Fant, E., “Logistics Charting Using Times Series, Balanced Score Card.” Center of Engineering and Distribution, Spring Meeting, Charlotte, NC, April 2009.

Fant, E., “Technology for Green Energy.” Missouri Valley Section of Institute of Transportation Engineers, Rogers, AR, May 2009.

Fruchtl, McKinzie S., Robert R. Beitle, Ralph Henry, Alicia Kight, Arash Hatefi, Brenda Canine and Tammy Rechten. “Fermentation and Expression of Biopolymer Conjugates Used in Gene Therapy Treatments.” Poster presented at the AIChE Annual Meeting, Nashville, TN, November 7-13, 2009.

Gattis, J. L., “Effects of Grade on the Speed and Travel Time of Vehicles Entering Driveways.” Transportation Research Board, Washington, D.C., 2009.

S. Mensah and **Gordon, M.H.**, “The role of hydrogen in the synthesis of hydrogenated amorphous silicon by magnetron sputtering: Plasma diagnosis,” *Proceeding of the National Society of Black Physicists Annual Conference*, Nashville, TN, February 11-15, 2009.

S.L. Mensah, H.H. Abu-Safe, H.A. Naseem, and **M.H. Gordon**, “Investigation of the Role of Hydrogen in Silicon Deposition Using an Energy-Resolved Mass Spectrometer in an Ar/H₂ Radio Frequency Magnetron Discharge,” *The International Conference on Metallurgical Coatings and Thin Films*, San Diego, CA, April 27-May 1 (2009).

S.L. Mensah, H.H. Abu-Safe, and **M.H. Gordon**, “Ion Energy Distribution and Langmuir Probe Studies in an Ar/O₂ Discharge During Al₂O₃ Deposition,” *The International Conference on Metallurgical Coatings and Thin Films*, San Diego, CA, April 27-May 1 (2009).

S.P. Koirala, **M.H. Gordon**, and S.L. Burkett, “Experimental and Numerical Plasma Characterization in a Deep Reactive Ion Etch System,” *The International Conference on Metallurgical Coatings and Thin Films*, San Diego, CA, April 27-May 1 (2009).

A.C. Ruiz, M. Kavdia, S. Kumar, **M.H. Gordon**, H.H. Abu-Safe, and S. Davis, “Effects of Sterilization and Heat Treatment on Alumina Coated Surgical Instruments,” *The International Conference on Metallurgical Coatings and Thin Films*, San Diego, CA, April 27-May 1 (2009).

M.T. Montgomery, P. Mohanty, H.H. Abu-Safe, and **M.H. Gordon**, “Tribology and Corrosion Behavior of Alpha Alumina-coated Ti-6Al-4V for Surgical Implantation,” *The International Conference on Metallurgical Coatings and Thin Films*, San Diego, CA, April 27-May 1 (2009).

Grimmelsman, K.A., “Structural Health Monitoring and Structural Identification for Long-Span Bridges,” 12th International IEEE Conference on Intelligent Transportation Systems, October 4-7, 2009, St. Louis, MO.

Scott, T. and **B. Haggard** 2009. Watershed Investigative Support to the Beaver Water District: Chemical Flux from Bottom Sediment Cores, Beaver Water District, Lowell, Arkansas.

Haggard, B. WTRs and Phosphorus, Beaver Water District Board of Director’s Meeting, Lowell, Arkansas – January 2009 (Invited).

Haggard, B. and M. David. Regression methods to estimate fecal bacteria numbers in the Illinois River Basin, USDA CSREES National Water Conference, St. Louis, Missouri – February 2009.

Haggard, B. and S. Longing. Red River Nutrient Criteria Development – Next Steps?, USEPA Region VI RTAG, Dallas, Texas – February 2009.

Longing, S. and **B. Haggard**. Red River Nutrient Criteria Development – Data Distributions, USEPA Region VI RTAG, Dallas, Texas – February 2009.

Drake, B., J. Scott, A. Sharpley, **B. Haggard** and C. Rogers. The effect of light and temperature on periphyton phosphorus uptake over two seasons in several northwest Arkansas streams. Arkansas Water Resources Center Annual Research Conference, Fayetteville, Arkansas – April 2009.

Haggard, B. and M. David. 2009. Development of regression-based models to predict fecal indicator bacteria at the Illinois River Basin, Arkansas and Oklahoma. Arkansas Water Resources Center Annual Research Conference, Fayetteville, Arkansas – April 2009.

Jensen, N., M. Evans-White, and **B. Haggard**. Benthic macroinvertebrate food web patterns in a headwater stream prior to a riparian zone restoration. Arkansas Water Resources Center Annual Research Conference, Fayetteville, Arkansas – April 2009.

Longing, S. and **B. Haggard**. An initial assessment of the invertebrate assemblage and aquatic habitat at the Watershed Research and Education Center. Arkansas Water Resources Center Annual Research Conference, Fayetteville, Arkansas – April 2009.

Rogers, C., A. Sharpley, **B. Haggard**, J. Scott, and B. Drake. Distribution and phosphorus – sorption characteristics of select streams within the Illinois River Watershed. Arkansas Water Resources Center Annual Research Conference, Fayetteville, Arkansas – April 2009.

Toland, C., M. Boyer, and **B. Haggard**. Elemental concentrations in runoff water and media from green roofs and urban streams. Arkansas Water Resources Center Annual Research Conference, Fayetteville, Arkansas – April 2009.

Haggard, B. and L. Bartsch. Effect of a new effluent discharge on stream phosphorus retention. North American Benthological Society Annual Meeting, Grand Rapids, Michigan – May 2009.

Longing, S., P. Bacon, and **B. Haggard**. Status and ecological indicator potential of *Heterosternuta sulphuria* populations (Coleoptera: Dytiscidae: Hydroporinae) in Arkansas. North American Benthological Society Annual Meeting, Grand Rapids, Michigan – May 2009.

Romeis, J., **B. Haggard**, T. Scott, and A. Sharpley. Water quality changes in the Eucha–Spavinaw Watershed, Northwest Arkansas and Northeast Oklahoma, 2002–2008. SERA – IEG 17 Annual Meeting, Ottawa, Canada – July 2009.

Scott, T., **B. Haggard**, and A. Sharpley. Significance of nitrogen retention by reservoirs and farm ponds in the White River Basin of Missouri and Arkansas. Soil and Water Conservation Society Annual Meeting, Kansas City, Missouri – September 2009.

Sharpley, A., J. Romeis, T. Scott, and **B. Haggard**. Nutrient loading in streams and eutrophication of reservoirs. Soil and Water Conservation Society Annual Meeting, Kansas City, Missouri – September 2009 (Invited).

Haggard, B. Illinois River Watershed Management Plan – Update to the Joint Performance Review Committee, Arkansas State Legislature, Rogers, Arkansas – October 2009 (Invited).

Haggard, B., T. Scott, and L. Massey. Effect of an effluent discharge on phosphorus retention at Goose Creek and the Illinois river, Northwest Arkansas. American Water Resources Association Annual Meeting, Seattle, Washington – November 2009.

Hale, M., “Effect of Curing Temperature on Concrete Containing Slag Cement and Fly Ash in Ternary Mixtures”. ACI Annual Meeting, 2009.

Hale, M., “Bond of 0.5 in. Diameter Strands Cast in Lightweight SCC”, FHWA National Bridge Conference, September 12 – 15, San Antonio, TX.

Hale, M., “Developing Fresh Concrete Properties for SCC”, PCI Convention, September 12 – 15, San Antonio, TX.

Hale, M., “Performance of Prestressed Members Cast with Ultra-High Performance Concrete”, The 11th Annual International fib Symposium, June 22 – 24, London, UK.

Hale, M., “Examining the Effect of Mixer Type on the Performance of Ultra-High Performance Concrete”, The 11th Annual International fib Symposium, June 22 – 24, London, UK.

Bartlow, Patrick, **Ryan Haley,** Mohammad Ataa and Robert R. Beitle. “Knockout and Mutational Tailoring of Host Strains to Simplify Bioseparation.” Presented at the AIChE Annual Meeting, Nashville, TN, November 7-13, 2009.

Hall, K.D., “Relationship Between Internal Angle of Gyration and Air Voids for the Superpave Gyrotory Compactor”, 88th Annual Meeting of the Transportation Research Board, TRB, Washington, D.C., January 2009.

Hall, Kevin D., “Civil Engineering Program Update”, Arkansas Academy of Civil Engineers, Fayetteville, Arkansas, April 18, 2009.

Hall, Kevin D., “National Transportation Security Center of Excellence”, *Spring Meeting of the Arkansas State Highway and Transportation Department Transportation Research Committee,* Little Rock, AR, May 6, 2009.

Hall, Kevin D., “Profiler Certification”, *Spring Meeting of the Arkansas State Highway and Transportation Department Transportation Research Committee,* Little Rock, AR, May 6, 2009.

Hall, Kevin D., “HMA Longitudinal Joint Evaluation and Construction”, *Spring Meeting of the Arkansas State Highway and Transportation Department Transportation Research Committee,* Little Rock, AR, May 6, 2009.

Hall, Kevin D., “Aggregate Durability”, *Spring Meeting of the Arkansas State Highway and Transportation Department Transportation Research Committee*, Little Rock, AR, May 6, 2009.

Hall, Kevin D., “Engineering in 2025: What Should our Colleges of Engineering Look Like?”, Southeastern Conference Academic Consortium – Deans, Assoc. Deans, and Department Heads Annual Meeting, Atlanta, GA, July 23, 2009.

Hall, Kevin D., “The Civil Engineering Body of Knowledge and the Future Civil Engineering Curriculum”, ASCE Northwest Branch Meeting, Rogers, AR, September 2, 2009.

Hall, Kevin D., “The Civil Engineering Body of Knowledge and the Future Civil Engineering Curriculum”, ASCE State Section Conference, Little Rock, AR, September 3, 2009.

Hall, Kevin D., “Ethics and Professionalism”, *presented to the University of Arkansas Freshman Engineering Program (6 sessions)*, October 5-6, 2009.

Hall, Kevin D., “Civil Engineering: Real People, Real Problems, Real Solutions”, Northwest Chapter of ASPE, Fayetteville, AR, October 15, 2009.

Hall, Kevin D., “State of the Department: Civil Engineering”, First Annual Meeting of the Civil Engineering Strategic Advisory Council, Fayetteville, AR, November 6, 2009.

Hall, Kevin D., “Civil Engineering Update”, *Annual Meeting of the Professional Advisory Board of the Mack-Blackwell Transportation Center*, Fayetteville, Arkansas, November 20, 2009.

Hall, Kevin D., “A Comparison of the Frictional Properties of 4.75 and 12.5 mm HMA Surface Mixes”, Annual Meeting of the Canadian Technical Asphalt Association, Moncton, New Brunswick, Canada, November 17, 2009.

Hall, Kevin D., “Development and Implementation of Specifications Related to the Internal Angle of Gyration for the Superpave Gyrotory Compactor”, Annual Meeting of the Canadian Technical Asphalt Association, Moncton, New Brunswick, Canada, November 18, 2009.

Haukas, A., Jin, S., Veetil, J., Ye, K. , “Derivation of Human Fibroblasts into iPS Cells and Subsequent Differentiation into Pancreatic β -cells in a 3-D Scaffold” Biomedical Engineering Society 2009 Annual Meeting, October, 7-10, 2009, Pittsburgh, PA.

Herrera, Jennifer. “Peptoid-based Therapeutics for Alzheimer’s Disease.” Poster presented at the AIChE Annual Meeting, Nashville, TN, November 7-13, 2009.

Herrera, J. and S.L. Servoss. “Non-natural Protein Mimetics for the Treatment of Alzheimer’s Disease.” Presented at the AIChE Mid-America Meeting, Columbia, MO, April 3-4, 2009.

Hestekin, Christa N. and Sowmya Krothapalli. “Rapid and Sensitive Detection of Drug Resistant Tuberculosis Mutations.” Presented at the AIChE Annual Meeting, Nashville, TN, November 7-13, 2009.

Heymsfield, E., “Soil Characterization for Orion Contingency Land Landings,” 8th International Conference on the Bearing Capacity of Roads, Railways and Airfields, Champaign, IL.

Heymsfield, E., “Using Numerical Modeling to Simulate Space Capsule Ground Landings,” 88th TRB Meeting, Washington, D.C., January 2009.

Ho, Thang, Pratyush Rai, Jining Xie, Vijay Varadan, and Jamie A. Hestekin. “Biofuel Cell Using Immobilization of Glucose Oxidase on Carbon Nanotubes Surface.” Poster presented at the AIChE Annual Meeting, Nashville, TN, November 7-13, 2009. First presented at the 19th Annual Meeting of the North American Membrane Society, Charleston, SC, June 20-24, 2009.

Ho, Thang, Pratyush Rai, Jining Xie, Vijay Varadan, and Jamie A. Hestekin. “Biofuel Cell Using Glucose Oxidase and screen printing process.” Poster presented at the AIChE Annual Meeting, Nashville, TN, November 7-13, 2009.

Huang, P-H.A. and E.H. Yang, “MEMS-based warm gas thruster system for CubeSat orbital maneuver applications,” *SPIE Space Exploration Technologies II Conference*, April 13-17, 2009.

Jang, Gyoung-Gug and D. Keith Roper. “Study of Macroscopic Uniformity and Scale-ability of Continuous Flow Electroless Plated Au Film.” Poster presented at the AIChE Annual Meeting, Nashville, TN, November 7-13, 2009.

Jernigan, Alice C., Duane C. Wolf, Greg Thoma and Christa Hestekin. “Characterizing the Abundance and Activity of Soil Microbes Using Single-Strand Conformational Polymorphism by Capillary Electrophoresis.” Presented at the AIChE Annual Meeting, Nashville, TN, November 7-13, 2009.

Jernigan, Alice C., Duane C. Wolf, Greg Thoma and Christa Hestekin. “Monitoring Bioremediation Using Single Strand Conformational Polymorphism and Capillary Electrophoresis.” Poster presented at the AIChE Annual Meeting, Nashville, TN, November 7-13, 2009.

Johnson, S.L., “Peer Review Panel Meeting and Webinar.” 27 members of the peer review panel, Washington, DC, Federal Motor Carrier Safety Administration (FMCSA) Headquarters, October, 2009

Johnson, S.L., “Benefits of Good Office of Ergonomics.” International Association of Administrative Professionals, Fayetteville, AR, April, 2009.

Jong, I. C., “Teaching a Method of Model Formulas to Enrich the Study of Beam Reactions and Deflections in Mechanics of Materials,” *8th ASEE Global Colloquium on Engineering Education*, Budapest, Hungary, October 12-15, 2009.

J. Judkins MS and J.-W. Kim. 2009. Carbon Nanotube Diffusion in Simulated Human Body Fluids. Annual Conference of the Institute of Biological Engineering, Santa Clara, California.

Rogers SC and **Kavdia M.** Superoxide increases in hyperglycemic endothelial cells using DHE fluorescence: Is it production or concentration? SFRBM Annual Meeting, 2009.

Rogers SC and **Kavdia M.** DHE Fluorescence Measurements from Hyperglycemic Endothelial Cells. Biomedical Engineering Society (BMES). Annual Fall Meeting, October, 2009.

Kim, J.-W.* and R. Deaton. 2009. “DNA-Based Nanoscale Building Block for Controllable and Scalable Nanofabrication,” in Proceedings of NSF CMMI Engineering Research and Innovation Conference, Honolulu, Hawaii.

Kim, J.-W.* and J.-H. KimPhD. 2009. “Controlled Self-Assembly of Nanoparticles by Anisotropic Chemical Modifications,” in DNA 15: Preliminary Proceedings of the 15th International Meeting on DNA Computing, R. Deaton, et al. (eds.), Fayetteville, Arkansas.

S. Tung and **J.-W. Kim.** 2009. “Nanoscale Bio/Abio Interfacing,” in Proceedings of IEEE International Conference on Nano/Micro Engineered and Molecular Systems (IEEE-NEMS), Shenzhen, China. Invited Paper.

M.B. Schulte,MS Z. Dong,PhD S. Tung, **J.-W. Kim***, U. Wejinya, H.-M. MoonPost-Doc, and B.-W. Kong. 2009. “Impedance Spectroscopy of Chicken Infectious Laryngotracheitis Virus Based on Atomic Force Microscopy,” in Proceedings of IEEE International Conference on Nano/Molecular Medicine and Engineering (IEEE-NANOMED), Cheng Kung, Taiwan.

Kim, J.-W.*, H.-M. MoonPost-Doc, S. Tung, and H.-H. Lee. 2009. “Highly Effective Bacterial Removal System Using Carbon Nanotube Clusters,” in Proceedings of IEEE International Conference on Nano/Micro Engineered and Molecular Systems (IEEE-NEMS), Shenzhen, China.

Kim, J.-W. and J.-H. KimPhD. 2009. Controlled Self-Assembly of Nanoparticles by Anisotropic Chemical Modifications. the 15th International Meeting on DNA Computing, Fayetteville, Arkansas.

Kim, J.-W. and R. Deaton. 2009. DNA-Based Nanoscale Building Block for Controllable and Scalable Nanofabrication. NSF CMMI Engineering Research and Innovation Conference, Honolulu, Hawaii.

E.I. Galanzha, **J.-W. Kim**, V.V. Tuchin, E.V. Shashkov, and V.P. Zharov. 2009. In Vivo Integrated Photoacoustic Diagnosis and Photothermal Therapy of Lymphatic System with Novel Molecular Contrast Agents. 2009 American Society for Laser Medicine and Surgery (ASLMS) Annual Conference West, Washington DC.

E.I. Galanzha, V.V. Tuchin, E.V. Shashkov, **J.-W. Kim**, and V.P. Zharov. 2009. In Vivo Integration of Multiwavelength Photoacoustic Lymphography, Sentinel Lymph Nodes Mapping, and Metastasis Assessment Using Multiplex Nanoparticle Targeting. SPIE Photonics West, San Jose, California.

Kim, J.-W.. 2009. "Bio/Nano Technology," in Chemical Engineering Department, Myongji University, Yongin, Korea (invited).

Kim, J.-W. 2009. "Bio/Nano Technology," in Gwangju Institute of Science and Technology, Korea (invited).

Kim, J.-W. 2009. "Bio/Nano Technology," in Shenyang Institute of Automation Chinese Academy of Science, China (invited).

Kim, J.-W. 2009. "Bio/Nano Technology," in Workshop on Micro/Nano Manipulation and Device Fabrication, Shenyang, China (invited).

E.I. Galanzha, M. Kokoska, E. Shashkov, S. Allen, S. Klimberg, **J.-W. Kim**, L. Hutchins, A. Biris, and V.P. Zharov. 2009. "Multicolor nanoparticles as molecular photoacoustic super-contrast agents for in vivo advanced sentinel lymph node mapping, multispectral lymphography, and metastasis assessment," in Nanotechnology and Healthcare Conference, Winthrop Rockefeller Institute, Petit Jean Mountain, Arkansas.

King, J.W. "The Influence of Pressurized Fluids in Analytical Separation Technology." Abstract. Presented at the 60th Pittcon Conference, Chicago, IL, March 12, 2009.

King, Jerry W., Keerthi Srinivas, Dongfang Zhang, Jeana K. Monrad and Luke Howard. "Optimization of Hot Pressurized Solvent Extraction Systems for the Recovery of Bio-active Solutes." Abstract. Presented at the AIChE Annual Meeting, Nashville, TN, November 7-13, 2009.

Kluess, HA, Stone AJ, Rogers SC, and Mahendra Kavdia. Age-related changes in fluorescent imaging of superoxide in skeletal muscle arterioles. Experimental Biology, New Orleans, LA, 2009.

Lakshmanan N and Kavdia M. Reactive oxygen and nitrogen species in leukocyte adhesion and transmigration: a computational model. Experimental Biology, New Orleans, LA, 2009.

Lassiter, K., R. Wang, J. Lin, J. Lum, B. Srinivasan, L. Lin, H. Lu, B. Hargis, W. Bottje, S. Tung, L. Berghman, and Y. Li. 2009. Comparison study of an impedance biosensor and rRT-PCR for detection of avian influenza H5N2 from infected chickens. Presented at PSA 2009 Annual Meeting, Raleigh, NC, July 20-23, 2009. Poster No. 405-P.

Lau, C., J. Duke, E.M. Martin, D.J. Carrier and E. Clausen. "Possible Co-products from Sweetgum (*Liquidambar styraciflua* L.)." Poster presented at the 31st Symposium on Biotechnology for Fuels and Chemicals, San Francisco, CA, May 3-6, 2009.

Lau, C., J. Duke, E.M. Martin, E.C. Clausen, D.J. Carrier, M. Pelkki and A.S. Engelberth. "Pretreatment of Sweetgum (*Liquidambar styraciflua* L.) with Dilute Sulfuric Acid." Poster presented at the 31st Symposium on Biotechnology for Fuels and Chemicals, San Francisco, CA, May 3-6, 2009.

Lau, C., K. Bunnell, E.C. Clausen, G.J. Thoma, J.O. Lay, J.A. Gidden and D.J. Carrier. "Characterization of Xylose Oligomers from Birchwood Xylan During Pretreatment." Presented at the Institute of Biological Engineering Regional Student Conference, Mississippi State University, Starkville, MS, November 21, 2009.

Lee, J.S., J.J. Song, R. Deaton, and J.-W. Kim. 2009. Exploring the Potential of Microarray Technology for Bio/Nano Sensing. IEEE International Conference on Nano/Micro Engineered and Molecular Systems (IEEE-NEMS), Shenzhen, China.

Li, Y. 2009. Nanoparticle-based Fluorescent Biosensor for Rapid Detection of *Listeria monocytogenes* in Foods. The final report to USDA/ARS and NAFSS for the funded two-year project.

Li, Y. 2009. Biosensor for Rapid Screening of Avian Influenza Viruses. The final report to ABI for the funded three-year project.

Li, Y., and A. Wang. 2009. Magnetic Nanoparticle Microfluidics for High Efficient Capture, Separation and Concentration of Foodborne Pathogens. The final report to NSF/STTR for the funded Phase I and IB project.

Li, D., R. Wang, **Y. Li,** Y. Ying and J. Wang. 2009. Detection of *E. coli* O157:H7 using a piezoelectric immunosensor with gold nanowire modified electrode. Presented at ASABE 2009 Annual Meeting, June 21-24, 2009, Reno, NV. ASABE Paper No. 096631.

Li, Y., R. Wang, K. Lassiter, B. Hargis, S. Tung, L. Berghman, and W. Bottje. 2009. A portable impedance biosensor for rapid detection of avian influenza virus in poultry swab samples. Invited presentation at the 1st Sino-Germany Cooperation Symposium on Advanced Sensing Technology for Precision Agriculture, October 10-14, 2009, Beijing, China.

Li, Y. 2009. Biosensor technologies and their applications in agriculture, food, and environment. Invited presentation at Joint International Agricultural Conference, October 14-17, 2009, Beijing, China.

Li, Y. 2009. A portable impedance biosensor for rapid, specific and sensitive detection of avian influenza virus in poultry swab samples. Invited presentation at South China Agricultural University, January 16, 2009, Guangzhou, China.

Li, Y. 2009. A portable impedance biosensor for rapid, specific and sensitive detection of avian influenza virus in poultry swab samples. Invited presentation at China Agricultural University, January 15, 2009, Beijing, China.

Wang, H., **Li, Y.**, and M. Slavik. 2009. Simultaneous separation and detection of multiple foodborne pathogens using magnetic nanobeads and quantum dots. Presented at IAFP 2009 96th Annual Meeting, July 12-15, 2009, Grapevine, TX. Poster No. P2-113.

Lin, J., and Y. Li. 2009. Bionanobeads-based electromagnetic separator for rapid separation of pathogenic bacteria. Presented at ASABE 2009 Annual Meeting, June 21-24, 2009, Reno, NV. ASABE Paper No. 097079.

Lintag, Hannah Lois and Christa N. Hestekin. "Metabolic Analysis of Prostate Cancer." Poster presented at the AIChE Annual Meeting, Nashville, TN, November 9-13, 2009.

Logsdon, R., and S. G. Bajwa. 2009. Development of a Distributed Artificial Neural Network for Hydrologic Modeling. In. Proc. World Congress of Computers in Agriculture, June 22-24, Reno, Nevada.

Longing, S. and Haggard B. 2009. Frequency Distributions of Median Nutrient and Chlorophyll concentrations across the Red River Basin, 1996–2006. Arkansas Water Resources Center Technical Publication MSC 350.

Longing, S.D., and Haggard, B.E. 2009. Heterosternuta sulphuria (Coleoptera: Dytiscidae) occurrence in the Sulphur Springs Headwater System and in Buffalo National River Tributaries (Arkansas, USA): Current Distribution, Habitat Conditions, and Biomonitoring Framework. Arkansas Water Resources Center Technical Publication MSC 351.

Lorenz, Nicole, Jamie Hestekin, Robert Babcock and Kris White. "An Analysis of Biodiesel Production by Continuous Supercritical Methanol Reaction." Poster presented at the AIChE Annual Meeting, Nashville, TN, November 7-13, 2009.

Malshe, A.P., Nanomanufacturing Innovations to Revitalize Competiveness of Manufacturing in US: Present and Future Challenges and Opportunities," *Manufacturing Research Seminar*, University of Michigan (September 2009).

Malshe, A.P., "Nanocrystalline Hydroxyapatite Coating for Biomedical Implants," *Biomanufacturing Working Group, Track-1 Meeting, 2009 General Assembly Meeting*, MIT, Boston, MA (August 2009).

Malshe, A.P., “Packaging of MEMS and Microsystems,” *GE Global*, Bangalore, India (April 2009).

Malshe, A.P., “Superconducting MCM Packaging: Materials and Processes,” *ONR Meeting*, San Diego (January 2009).

Malshe, A.P., “Nanomanufacturing and Lubrication of Advanced Materials and Related Manufacturing Processes,” *GE Global*, Bangalore, India (July 2009).

Malshe, A.P., “Rapid Prototyping of Nanoparticles Based Coating for Biomedical Implants,” *STC-E CIRP Winter Meeting*, Paris, France (January 2009).

Malshe, A.P., “Design, Materials and Process Considerations for Advanced Body Armors,” *STC-E CIRP 2009 CIRP General Assembly Session-II, MIT*, Boston, MA (August 2009).

Malshe, A.P., Dmytro Demydov, Ali Erdemir, Wenping Jiang, “Advanced Lubrication Through Nanolubricant Multicomponent Formulation for Loaded Components,” *Proceedings of Annual Conference of Society of Tribology and Lubrication Engineering (STLE)*, Orlando, FL (May 2009).

Corey Thompson, Arpana Verma, Wenping Jiang, Atanu Adhvaryu, **A.P. Malshe**, “Surface and Interface Analysis of the Tribofilm Formed Using Passive and Active MoS₂ Nanolubricant Additives,” *Proceedings of Annual Conference of Society of Tribology and Lubrication Engineering (STLE)*, Orlando, FL (May 2009).

Thomas Jason Bailey, **A.P. Malshe**, and Dmytro Demydov, “Testing of Nanoengineered Lubricant Additive in Internal Combustion Engines,” *Proceedings of Annual Conference of Society of Tribology and Lubrication Engineering (STLE)*, Orlando, FL (May 2009).

Wenyang Zhang, Dmytro Demydov, **A.P. Malshe**, Atanu Adhvaryu, Ali Erdemir, “Synthesis of Ag Nanoparticles Integrated MoS₂ Nanoparticles (nMoS₂) and Fundamental Understanding the Behavior of Ag-MoS₂ Nanoparticles Based Hybrid System,” *Proceedings of Annual Conference of Society of Tribology and Lubrication Engineering (STLE)*, Orlando, FL (May 2009).

Parash Kalita, Arpana Verma, Albert Shih and **A.P. Malshe**, “Investigating Tribological Properties of MoS₂ Nanoparticles Based Machining Fluids for MQL Grinding,” *Proceedings of Annual Conference of Society of Tribology and Lubrication Engineering (STLE)*, Orlando, FL (May 2009).

Wenping Jiang, Jianhui Wu, and **A.P. Malshe**, “Tribological Studies of Temperature-Adaptive Nanocrystalline Lubricant Coating for Machining Applications,” *Proceedings of Annual Conference of Society of Tribology and Lubrication Engineering (STLE)*, Orlando, FL (May 2009).

Minor, P., Ec Decuir, Jr, M. Ware, **O. Manasreh**, and G. Salamo, “Effects of controlling the metal to nonmetal growth ratio on the structural and optical properties of InN grown by molecular-beam epitaxy”, Materials Research Society Fall Meeting, Boston, MA, Nov 26- Dec 02, 2009 (poster Presentation).

Shao, Dali, Jiang Yu, and **O. Manasreh**, “Quantum ring photodetectors based on droplet epitaxy techniques”, MRS Fall Meeting, Boston, MA, Nov-Dec 2009.

Wu, Jiang, Zh. Li, Dali Shao, **O. Manasreh**, V. P. Kunet, Z. Wang, and G. Salamo, “Quantum ring infrared photodetectors by droplet epitaxy”, Nanotech Conference and Expo 2009, Nanoelectronics and Photonics section, Houston, Texas. May 3-7, 2009.

Wu, Jiang, Dali Shao, **O. Manasreh**, Zhenhua Alvason Li, Zhiming M. Wang, and Gregory J. Salamo, “Photodetectors fabricated from strain-free GaAs nanostructures”, MRS Fall Meeting 2009, Boston MA, Nov-Dec 2009.

Ya, Xin, Eric A. Decuir, Shibin Li, Jiang Wu, Kazem Moravvej Farshi, **O. Manasreh**, Morgan E. Ware, Greg Salamo, “Fabrication of Solar Blind Ultraviolet Avalanche Photodiode”, MRS Student Chapter, November 2009.

Hingora, N., X. Liu, B. McPherson, Y. Feng, and **H. A. Mantooth**, “Concerning Layout Synthesis for Power Electronic Multi-chip Modules,” *IEEE PELS Control and Modeling in Power Electronics Workshop (COMPEL)*, Paper 2.28, 5 pgs., June 28-30, 2010.

Mantooth, H. A., “IEEE Power Electronics Society Sponsors 2009 Solar Splash Competition,” *IEEE Power Electronics Society Newsletter*, vol. 23, no. 4, pp. 12-13, 4th quarter, Nov. 2009.

Martin, E.M., C. Lau, J.M. Duke, M. Pelkki, E.C. Clausen and D.J. Carrier., “Sweetgum (*Liquidambar styraciflua* L): Extraction of Shikimic Acid Coupled to Dilute Acid Pretreatment.” Poster presented at the 9th International Plant Molecular Biology (IPMB) Congress, St. Louis, MO, October 25-30, 2009.

Martin E, Duke J, Lau C, Clausen E, Pelkki M and Carrier DJ. Shikimic acid as a co-product from sweetgum. 31th Symposium on Biotechnology for Fuels and Chemicals, San Francisco, CA (poster).

Massey, L., and Haggard, B. 2009. Illinois River Watershed Partnership – Volunteer Monitoring Program. Final Report, Arkansas Natural Resources Commission, USEPA 319 Program. Arkansas Water Resources Center Technical Publication MSC 354.

Massey, L., W. Cash and Haggard, B. 2009. Illinois River Watershed Partnership – Constituent Loads at the Illinois River at Arkansas Highway 59. Final Report, Arkansas Natural Resources Commission, USEPA 319 Program. Arkansas Water Resources Center Technical Publication MSC 352.

Massey, L., W. Cash and Haggard, B. 2009. Illinois River Watershed Partnership – Constituent Loads at Ballard Creek at County Road 76. Final Report, Arkansas Natural Resources Commission, USEPA 319 Program. Arkansas Water Resources Center Technical Publication MSC 353.

Matlock, M., A. Brown, B. Haggard and E. Cummings. 2009. An Ecological Assessment of Osage and Spring Creeks, Northwest Arkansas, 2007-2009. CARS Report 09-12A.

Matlock, M. Book Review of Witness To Extinction. JEQ, 2010.

Matlock, M. Book Review of Doing Environmental Ethics. JEQ, 2010.

Matlock, M. Measuring what Matters in Sustainable Strategy Development. MARS Corp Science Advisory Meeting, Manhattan, NY, January 5, 2009. (Invited).

Matlock, M., B. Haggard, A. Brown, E. Cummings, L. Yates, and D. Parker. 2009. Water Quality and Ecological Assessment: Osage and Spring Creeks. Final Report prepared for Springdale and Rogers Water Utilities.

Matlock, M. Ramsey, S., Nalley, L., Analysis of Agricultural Sustainability from 1985 to 2005. Commodity Classic, San Antonio, Texas. January 12, 2009. (Invited).

Matlock, M. Nalley, L., Assessment of Agricultural Indicators of Sustainability, National Academy of Science Roundtable: Sustainability Labels, Irvine, CA, January 18, 2009, (Invited).

Matlock, M., Nalley, L., Assessment of Agricultural Greenhouse Gas Dynamics, Keystone Alliance: Field to Market Whole Systems Meeting, Washington, DC, January 18, 2009, (Invited).

Matlock, M. Water Quality Indicators in Agricultural Landscapes, Keystone Alliance: Field to Market Meeting, Washington, DC, February 19, 2009, (Invited).

Matlock, M. Ramsey, S., Nalley, L., Analysis of Agricultural Sustainability from 1985 to 2005, National Farm Bureau Meeting, Grapevine, Texas, February 26, 2009 (Invited).

Matlock, M., Nalley, L., Methods of Measuring Agricultural Sustainability, Agricultural Revolution, SAI/Sustainable Food Labs, Landsdowne, MD, March 18, 2009.

Matlock, M., Nalley, L., Open Source LCI Databases for Ag LCAs, USDA Leadership Conference, USDA, Washington, DC, March 19, 2009 (Invited).

Matlock, M., Sustainability 2050, Caring for Creation Conference, March 28, 2009, (Invited).

Matlock, M., Nalley, L., Agricultural Sustainability Metrics, Sustainable Actions for a sustainable Future, Missouri State University, Springfield, MO, April 23, 2009 (Invited).

Matlock, M. Agricultural Water Use, MARS Corp Sustainability Pod Meeting, McLean, VA, May 4, 2009(Invited).

Matlock, M., Nalley, L., Greenhouse Gas Life Cycle Analysis in Cotton, Keystone Alliance: Field to Market Whole Systems Meeting, Washington, DC, May 7, 2009.

Matlock, M. Sovereignty and Sustainability, Native And Indigenous Peoples Studies International Conference, St. Paul, MN, May 22, 2009 (invited).

Matlock, M., Nalley, L., Life Cycle Analysis Methods, Keystone Alliance: Field to Market Indicators Meeting, Washington, DC, June 3, 2009 (Invited).

Matlock, M., Nalley, L., Methods of Measuring Agricultural Sustainability: Cotton Greenhouse Gas LCA., Monsanto Corporation Sustainability Conference, St. Louis, MO, July 27, 2009(Invited).

Matlock, M. Agricultural Sustainability Opportunities and Challenges, KASHI Headquarters, La Jolla, CA, August 4, 2009(Invited).

Matlock, M., Nalley, L., Metrics for Sustainable Agricultural Production, United Nations Foundation Land Symposium, August 11, 2009(Invited).

Matlock, M., Nalley, L., Sustainable Agricultural Production Practices, KASHI Sustainability Workshop, Sundance, UT, September 14, 2009(Invited).

Matlock, M., Nalley, L., Agricultural Production Challenges for a Sustainable Planet, MARS Corp Sustainability Pod Meeting, McLean, VA, September 28, 2009(Invited).

Matlock, M., Nalley, L., Neiderman, Z., Thoma, G., Metrics for Sustainable Supply Chains: LCIs to inform LCAs, World Resources Institute Program for Corporate Ecosystem Services Management, CCE, Atlanta, GA, October 7, 2009(Invited).

Matlock, M., Nalley, L., Agricultural Production Challenges for a Sustainable Planet, Cotton Council International, Budapest, Hungary, November 5, 2009(Invited).

Matlock, M. Measures, Metrics, and Indices of Sustainability, Conservation Forum for Harris World Ecology Center, St. Louis, MO, November 12, 2009(Invited).

Matlock, M. Water Resources and Sustainability, Native American Week Conference, North Carolina State University, Chapel Hill, NC, November 14, 2009(Invited).

Matlock, M. Water Quality and Land Use Indicators, Keystone Alliance Field To Market, Washington, DC, December 10, 2009(Invited) .

Meller, R. D., “CELDi State of Center Address.” CELDi Spring Meeting, Charlotte, NC, April/2009.

Meller, R. D., “Letter to the Editor (Bonus Consultation).” Industrial Engineer, Norcross, GA, April/2009.

Monrad, J.K., L.R. Howard, J.W. King and K. Srinivas. “Pressurized Solvent Extraction of Procyanins from Dried Red Grape Pomace.” Presented at the Berry Health Benefits Symposium, Monterey, CA, June 22-23, 2009.

Nachtmann, H., S. Mason, “If You Major in Industrial Engineering.” University of Arkansas Freshman Engineering Seminar, Fayetteville, AR, September/2009.

Nam, C. S., “Brain-Computer Interface (BCI): Possibilities and Applications for People with Severe Motor Disabilities.” Department of Bio and Brain Engineering, Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Korea, May/2009.

Nelson, C. Under, H.-M. Moon, and J.-W. Kim. 2009. Carbon Nanotube Cluster Based Micro-Fluidic System for Bacteria Capture, Concentration, and Separation. Annual Conference of the Institute of Biological Engineering, Santa Clara, California.

Tomasula, P. M., **D. W. Nutter**, Yee, W., and McAloon, A., 2009. “Simulation Tools for Design of the Next Generation of Milk Processing Plants”, *First International Congress on Sustainability Science and Engineering (ICOSSE)*, August 9-12, Cincinnati, OH.

Osborn, G.S., G.R. Richardson, A. McCain. 2009. One Year Progress Report. A Portable Dissolved Oxygen Delivery System for Rapid Treatment of Organic Spills. National Science Foundation.

Osborn, G.S., G.R. Richardson, A. McCain. 2009. 18 month Progress Report. A Portable Dissolved Oxygen Delivery System for Rapid Treatment of Organic Spills. National Science Foundation.

Osborn, G.S., G.R. Richardson, A. McCain. 2009. One Year Progress Report. Point Source Ozonation to Minimize Antibiotic Resistance. National Institutes of Health.

Osborn, G.S. 2009. My 25 Year PE Journey. Invited article to motivate Agricultural Engineers to take the PE exam to become licensed. Resource. American Society of Agricultural and Biological Engineers.

Paul, Colin and Jamie A. Hestekin. “[Pervaporative Recovery of Butanol From Fermentation Broth Using Mixed Matrix Membranes](#).” Paper presented at the AIChE Annual Meeting, Nashville, TN, November 7-13, 2009.

Paul, Colin D., Melinda B. O'Neil, W. Roy Penney, Bernard J. Van Wie, Paul B. Golter, Robert R. Beitle and Edgar C. Clausen. "Desktop Learning Module Heat Exchanger Performance." Proceedings of the 2009 ASEE Midwest Section Conference, University of Nebraska-Lincoln, Lincoln, NE, September 16-18, 2009.

Pilgrim, R., R. Ulrich and M. Leftwich. "Subsurface Spectroscopic Probe for Regolith Analysis." Poster presented at the 40th Lunar and Planetary Science Conference, The Woodlands, TX, March 23-27, 2009.

Potts, Thomas M., Colin Paul, Robert Beitle and Jamie Hestekin. "Recovery of Butanol From a Two Step Fermentation of Algae Using *Clostridium Trybutyricum* and *Clostridium Beijerinckii*." Poster presented at the AIChE Annual Meeting, Nashville, TN, November 7-13, 2009.

Pryor, Elizabeth, Christa Hestekin and Melissa A. Moss. "Capillary Electrophoresis as a Tool to Monitor the Early Stages of Insulin Aggregation." Poster presented at the AIChE Annual Meeting, Nashville, TN, November 7-13, 2009.

Pryor, Elizabeth, Christa Hestekin and Melissa A. Moss. "The Use of Capillary Electrophoresis to Monitor the Early Stages of Insulin Aggregation." Presented at the AIChE Annual Meeting, Nashville, TN, November 7-13, 2009.

Rainwater, C., J.P. Geunes and H.E. Romeijn, "A Class of Generalized Assignment Problems with Flexible Demand and Shared Resource Consumption." Institute for Operations Research and Management Sciences Conference, San Diego, CA, October 2009.

Rainwater, C., J.P. Geunes and H.E. Romeijn, "A Class of Generalized Assignment Problems with Flexible Demand and Shared Resource Consumption." Production and Operations Management Society Conference, Orlando, FL, May 2009.

Rainwater, C., J.P. Geunes and H.E. Romeijn, "A Class of Generalized Assignment Problems with Flexible Demand and Shared Resource Consumption." Institute of Industrial Engineers Conference, Miami, FL, May 2009.

Rainwater, C., J.P. Geunes and H.E. Romeijn, "A Branch-and-Price Algorithm for the Capacitated Facility Location Problems with Single Source Constraints and Flexible Customer Demand." Institute for Operations Research and Management Sciences Computing Society, Charleston, SC, January 2009.

Zhang, S., Zhu, T., Terdalkar, S., Shan, H., and **J.J. Rencis** "Nanomechanics of Graphene Sheet," Applied Mechanics Division, *2009 ASME International Mechanical Engineering Congress and Exposition*, Lake Buena Vista, FL, November 13-19, 2009.

Rencis, J.J., "Scholarship," Tips for Tenure and Promotion Workshop, Mechanical Engineering Department Heads Committee, *2009 ASME International Mechanical Engineering Congress and Exposition*, Lake Buena Vista, FL, November 13-19, 2009.

Terdalkar, S.S., Zhang, S.L. and **J.J. Rencis** "Nanomechanics of a Graphene Sheet," Oral and Poster Presentations, *10th US National Congress on Computational Mechanics (USNCCM-10)*, Columbus, OH, July 16-19, 2009, Student Travel Award.

Zhang, S.L., Terdalkar, S.S., Huang, S., Yuan, H., Zhu, T. and **J.J. Rencis** "Nanomechanics of a Graphing Sheet," Oral Presentation, *The 2009 Joint ASCE-ASME-SES Conference on Mechanics and Materials*, Blacksburg, VA, June 24-27, 2009.

Rencis, J.J., "Scholarship," Tips for Tenure and Promotion Workshop, Mechanical Engineering Division, *2009 American Society for Engineering Education (ASEE) Annual Conference and Exposition*, Austin, TX, June 14-17, 2009.

Terdalkar, S.S., Zhang, S.L. and **J.J. Rencis** "Atomic Fracture Mechanism of Graphing Sheet," Oral Presentation, *2009 MRS Spring Meeting*, San Francisco, CA, April 13-17, 2009, Graduate Student MRS Symposium Assistant Award.

Terdalkar, S., Zhang, S. and **J.J. Rencis** "Atomic Fracture Mechanism of Graphing Sheet," Oral and Poster Presentations, *93rd Annual Meeting of the Arkansas Academy of Science*, University of the Ozarks, Clarksville, AR, April 3-4, 2009, 2nd Place for Excellent Scholarship in Graduate Physical Sciences.

Terdalkar, S.S., **J.J. Rencis**, and Zhang, S., "Recent Advances in the Atomic Fracture Mechanism of Graphing Sheet," *From Abstract to Contract: 2nd Annual University of Arkansas Graduate Research Symposium and Career Network*, Poster Presentation, February 20 and March 10, 2009, University of Arkansas, Fayetteville, AR, 2009 Winner.

Coleman, K. A., J. C. Dixon, K. L. Howe, **L. A. Roe**, and V. Chevrier, "Experimental Simulation of Martian Gully Forms," *Planetary and Space Science*, vol. 57, no. 5-6, pp. 711-716, May 2009.

Rogers, SC and Kavdia M. Critical evaluation of DHE fluorescence and cytochrome c absorbance measurement of superoxide in the presence of nitric oxide and superoxide dismutase. *Experimental Biology*, New Orleans, LA, 2009.

Rogers, SC and Kavdia M. L-NAME increases and apocynin decreases dihydroethidium fluorescence in endothelial cells in hyperglycemia. *Experimental Biology*, New Orleans, LA, 2009.

Root, S., P. Nagilla, M. Sir, and E. Sisikoglu, "Optimal Relocation of Actors to Restore Connectivity in Wireless Sensor and Actor Networks (WSANs), *INFORMS*, San Diego, CA, October 2009.

Roper, Donald. “Gold Nanoparticle Ensembles on Optical Plasmon Capillaries for Virus/DNA Sensing.” Presented at the National Science Foundation CMMI Research and Innovation Conference, Honolulu, HI, June 22-25, 2009.

Roper, D. Keith, Wonmi Ahn, Ben Taylor and Phillip Blake. “Subwavelength Nanoparticle Ordered Structures for Enhanced Sensing, Optoelectronics and DNA Analysis.” Abstract. 237th ACS National Meeting, *Salt Lake City, UT, March 22-26, 2009.*

Roper, D. Keith, Wonmi Ahn, Ben Taylor and Analía G. Dall’Asén. “Extraordinary Plasmon Coupling in Gold Nanoparticle Arrays for Enhanced Second Harmonic Generation.” Abstract. 237th ACS National Meeting, *Salt Lake City, UT, March 22-26, 2009.*

Roper, D. Keith, Wonmi Ahn, Ben Taylor and Aaron G. Russell. “Photothermal Photonplasmon Excitation to Enhance Energy Conversion.” Abstract. 237th ACS National Meeting, *Salt Lake City, UT, March 22-26, 2009.*

Roper, D. Keith, Phillip Blake, Wonmi Ahn, Ben Taylor, Aaron G. Russell and Gyoung Gug Jang. “Radiative Photon-Plasmon Coupling for Enhanced Energy Conversion.” Abstract. 238th ACS National Meeting, Washington, DC, August 16-20, 2009.

Roper, D. Keith, Phillip Blake, Wonmi Ahn, Braden Harbin, Gyoung Gug Jang and Ben Taylor. “Subwavelength Nanoparticle Ordered Structures for Biological, Microscopic and Spectral Analysis.” Abstract. 238th ACS National Meeting, Washington, DC, August 16-20, 2009.

Russell, Aaron G. and D. Keith Roper. “Laser-Induced Plasmon Excitation in Gold Nanoparticles to Evaporate Water and Increase Hydrogen Fuel Cell Efficiency.” Poster presented at the AIChE Annual Meeting, Nashville, TN, November 7-13, 2009.

Saxena, A., “Progress in Standardizing Creep-Fatigue Test Methods” Invited presentation at the EPRI Experts Workshop on Creep-Fatigue Interactions, Ecole De Mines, Paris, October 2009.

Saxena, A. and V. Kalyanasundaram, “Round-Robin Plans for Creep-Fatigue Crack Formation”, *ASTM Workshop on Creep-Fatigue Interactions*, Atlanta, November 2009.

Rajgarhia, R. K., **A. Saxena,** and C. Jackson, “Fatigue Crack Growth in Nanocrystalline Copper”, *12th International Conference on Fracture*, Ottawa, Canada, July 2009.

Evans, J.L. and **A. Saxena,** “Elevated Temperature Crack Growth Models for Ni-Base Superalloys”, *12th International Conference on Fracture*, Ottawa, Canada, July 2009.

Schneider, Kellie, Heath A. Schluterman and C. Richard Cassady. “A First-Year Experience Course Sequence for Engineering Students at the University of Arkansas.” Proceedings of the 2009 ASEE Midwest Section Conference, University of Nebraska-Lincoln, Lincoln, NE, September 16-18, 2009.

Selvam, R.P., “Efficient multiphase cooling system for large area using multiples jet/spray”, ASME 2009 Heat Transfer Summer Conference, July 19-23, San Francisco, CA.

Selvam, R.P., “Atomic structure of calcium silicate hydrate (C-S-H) using molecular mechanics”, 88th Annual Meeting of the Transportation Research Board, TRB, Washington, D.C., January 2009.

Selvam, R.P., “Modeling the turbulence generated by moving airfoil in the wind tunnel”, 11th Americas Conference on Wind Engineering, San Juan, Porto Rico, June 22-26.

Selvam, R.P., “H-Adaptive FEM and moving grids for bridge aerodynamics”, 11th Americas Conference on Wind Engineering, San Juan, Porto Rico, June 22-26.

Selvam, R.P., “Thermal energy storage in concrete”, 1st Annual Freshman Engineering Program Symposium, University of Arkansas, Fayetteville, AR, Apr. 30.

Selvam, R.P., “Thermo acoustic engine”, 1st Annual Freshman Engineering Program Symposium, University of Arkansas, Fayetteville, AR, Apr. 30.

Servoss, S.L. “Peptoids for Biomedical Applications.” Presented at the Arkansas Nanotechnology Conference, Petit Jean, AR, January 7-10, 2009.

Servoss, Shannon L. “Slide coatings for ELISA microarray.” Presented at the AIChE Annual Meeting, Nashville, TN, November 7-13, 2009.

Sohaby, Kazem, “Invited commemoration for Professor Yoram Ofek,” a professor and scientist at *University of Trento, Italy*, May 21, 2010. Communications Network Workshop, DISI – Dipartimento di Ingegneria e Scienza dell’Informazione.

Soerens, T., “Soft Sciences and the Hard Reality of Development Project Sustainability”, Water Technologies for Emerging Regions conference, Norman, OK, October 26-28, 2009.

Soerens, T., “A Gravity-fed Two Stage Water Filtration System for Two Villages in Belize”, Water Technologies for Emerging Regions conference, Norman, OK, October 26-28, 2009.

Spearot, D.E., Rajgarhia, R., Saxena, A., "Molecular Dynamics Simulations of Dislocation Activity in Single Crystal and Nanocrystalline Copper Doped with Antimony," presented at: *TMS2009, 138th Annual Meeting and Exhibition*, February, 2009, San Francisco, CA.

Rajgarhia, R., **D.E. Spearot**, Saxena, A., "Molecular Dynamics Simulations of Grain Growth and Dislocation Activity in Nanocrystalline Copper-Antimony Solid-Solution Alloys," presented at: *USNCCMI 0*, July, 2009, Columbus, OB.

Spearot, D.E., Apon, A., Pummill, Chaffin, D. "Birds of a Feather Session: Cyberinfrastructure Faculty & Staff Campus Champions," presented at: *Oklahoma Supercomputing Conference*, October, 2009, Norman, OK.

Rajgarhia, R.K., **D.E. Spearot**, Saxena, A., Hartwig, K.T., More, K., Kenik, E., Meyer, H. "Improved Microstructural Stability of Nanocrystalline Cu through the Addition of Sb Dopants at Grain Boundaries," presented at: *MS&T 2009*, October, 2009, Pittsburgh, P A.

Rajgarhia, R.K., **D.E. Spearot**, Saxena, A. "Molecular Dynamics Simulations of Dislocation Activity in Single Crystal and Nanocrystalline Copper Doped with Antimony," presented at: *ASME IMECE*, November 18, 2009, Orlando, FL.

Rajgarhia, R.K., **D.E. Spearot**, Saxena, A. "Stability and Mechanical Strength of Nanocrystalline Copper-Antimony Alloys," *AAME Graduate Research Symposium Poster Session*, March, 2009, Fayetteville, AR.

Sudibjo, A., **D.E. Spearot** "Diffusion of Penetrates in a MEMS Corrosion Sensor using Molecular Dynamics," *AAME Graduate Research Symposium Poster Session*, March, 2009, Fayetteville, AR.

Conley, **D.E. Spearot**, Malshe, A. "Nanoparticle-Assisted Transient Shear-Thickening of Polymers," *ASME ECTC Poster Session*, April, 2009.

A.Barito, H.H. Abu-Safe, **D.E. Spearot**, and Gordon, M.H., "Low-Temperature Deposition of Alpha Alumina by Physical Vapor Deposition without a Chrome Template Layer," *The International Conference on Metallurgical Coatings and Thin Films*, San Diego, CA, April 27-May 1 (2009).

Spicer, T. "Predicted Influence of Cloud Area Restriction on Chlorine Aerosol Dispersion." Presented at the George Mason University Comprehensive Air Modeling Program (CAMP), Arlington, VA, July 15, 2009.

Spicer, T., J. Louvar, L. Aplebaum and R. Moore. "Safety and Chemical Engineering Education (SaChE) on the Web." Presented at the 8th World Congress of Chemical Engineering, Montreal, Canada, August 26, 2009.

Srinivas, Keerthi, J. Monrad, D. Zhang, L. Howard and J.W. King. "Optimization of Flavonoid Extraction using Pressurized Subcritical Liquid Solvents." Abstract. Presented at the IFT09 Annual Meeting and Food Expo, Anaheim, CA, June 9, 2009.

Srinivas, Keerthi, Fernando Montanes and Jerry W. King. "Solubilities of Flavonoids in Subcritical Water." Abstract. Presented at 237th ACS National Meeting, Salt Lake City, UT, March 23, 2009.

Srinivas, Keerthi, Dongfang Zhang, Fernando Montanes and Jerry W. King. "Development of a Dynamic Method for Measuring Bio-solute Solubilities in Subcritical Water." Abstract. Presented at the AIChE Annual Meeting, Nashville, TN, November 7-13, 2009.

Starbird, Charles E., Jamie A. Hestekin and Shannon L. Servoss. “Utilization of Peptoids in Membrane-based Chiral Separations.” Poster presented at the AIChE Annual Meeting, Nashville, TN, November 7-13, 2009.

Thoma, G., R. Ulrich and Z. Clayton-Niederman. “Global Warming Potential for Production of Milk in Five Regions of the United States.” Presented at the SETAC Europe 19th Annual Meeting, Göteborg, Sweden, May 31–June 4, 2009.

Tiwari, Neha, Alicia Kight, Ryan Haley, Lauren Woods, Robyn Goforth, Ralph Henry, Mohammad M. Atai and Robert R. Beitle. “Identification, Characterization, and Affinity Tail Design Based On Native Proteins of *Escherichia Coli* BL-21 that Display Affinity Towards Immobilized Metal Affinity Chromatography and Hydrophobic Interaction Chromatography Matrices.” Poster presented at the AIChE Annual Meeting, Nashville, TN, November 7-13, 2009.

Tung, S. and J.-W. Kim. 2009. “Nanoscale Bio/Abio Interfacing,” in IEEE International Conference on Nano/Micro Engineered and Molecular Systems (IEEE-NEMS), Shenzhen, China. (invited).

Turner, James Phillip, Dhaval S. Shah and Shannon L. Servoss. “Peptoid-based Antibody Mimics for Disease Detection Using ELISA Microarray Analysis.” Poster presented at the AIChE Annual Meeting, Nashville, TN, November 7-13, 2009.

Veetil, J., Jin, S., and Ye, K. “Genetically engineered fluorescence lifetime based protein sensor for visualization and continuous monitoring of glucose concentration in living cells” 2009 Biomedical Engineering Society Annual Meeting, October 7-10, 2009, Pittsburgh, PA.

Veetil, J., Jin, S., and Ye, K., “Design FRET indicator proteins for continuous glucose monitoring in vitro and in vivo”, The 10th World Congress on Biosensors, May 26-28, 2010, Glasgow, UK (Invited speaker).

Vincent, J. and J.W. King. “Physicochemical Study of Glycerol–Solvent Systems by Inverse Gas Chromatography.” Abstract. Presented at 100th American Oil Chemists Society Meeting, Orlando, FL, May 3-6, 2009.

Wang, K., “Verification of Virtual Climatic Data in the Proposed MEPDG Using the LTPP Database”, 88th Annual Meeting of the Transportation Research Board, TRB, Washington, D.C., January 2009.

Wang, K., “Traffic Data Support for the Mechanistic-Empirical Pavement Design Guide (MEPDG)”, 88th Annual Meeting of the Transportation Research Board, TRB, Washington, D.C., January 2009.

Wang, K., “Automated Cracking Survey and Protocol Design”, 88th Annual Meeting of the Transportation Research Board, TRB, Washington, D.C., January 2009.

Wang, K., “Road Sign Classification based on Support Vector Machine (SVM)” 88th Annual Meeting of the Transportation Research Board, TRB, Washington, D.C., January 2009.

Li, D., **R. Wang**, Y. Li, Y. Ying and J. Wang. 2009. Detection of E. coli O157:H7 using a piezoelectric immunosensor with gold nanowire modified electrode. Presented at ASABE 2009 Annual Meeting, June 21-24, 2009, Reno, NV. ASABE Paper No. 096631.

Kanayeva, D., **R. Wang**, and Y. Li. 2009. Immunomagnetic separation of Listeria monocytogenes using nanosized beads. Presented at IAFP 2009 96th Annual Meeting, July 12-15, 2009, Grapevine, TX. Poster No. P2-097.

Wang, Y., R. Wang, X. Jiang, Y. Li, and Y. Ying. 2009. Effects of micro/nanobeads on the frequency and resistance signals of a QCM immunosensor for detection of E. coli O157:H7. Presented at ASABE 2009 Annual Meeting, June 21-24, 2009, Reno, NV. ASABE Paper No. 097465.

Zhuxin Dong, **U.C. Wejinya**, and Wen J. Li, “Calibration of MEMS Accelerometer Based on Plane Optical Tracking Technique and Measurements,” *The 4th IEEE International Conference on Nano/Micro Engineered and Molecular Systems*, Shenzhen, China, 2009.

Zhuxin Dong and **U.C. Wejinya**, and Imad Elhajj, “Design, Fabrication, and Testing of CNT-Based ISFET for Nano pH Sensor Application”, *IEEE/ASME International Conference on Advanced Intelligent Mechatronics*, Singapore, 2009.

George E. Sakr, Imad H. Elhajj, and **U.C. Wejinya**, “Multi Level SVM for Subject Independent Agitation Detection”, *IEEE/ASME International Conference on Advanced Intelligent Mechatronics*, Singapore, 2009.

Zhuxin Dong and **U.C. Wejinya**, “Design, Fabrication, and Measurement of CNT-Based ISFET for Nano Devices”, *IEEE Nanotechnology Materials and Devices Conference*, Traverse City, MI, 2009.

Zhuxin Dong and **U.C. Wejinya**, Imad Elhajj, and Meyya Meyyappan, “Characterization of Vertically Aligned Carbon Nanofibers Grown on Ni Dots Nanoelectrode Array Using Atomic Force Microscopy”, *Proceedings of the 2009 IEEE/RSJ International Conference on Intelligent Robots and Systems*, St. Louis, MO, 2009.

Zhuxin Dong, **U.C. Wejinya**, Holly D. Tourtillott, Imad Elhajj, and Meyya Meyyappan, “Scanning and Measurement of Carbon Nanofiber Nanoelectrode Arrays Using Atomic Force Microscopy,” *Proceedings of the 2009 IEEE International Conference on Robotics and Biomimetics*. Guilin, China, 2009.

Williams, Stacy G. “Methods for Evaluating Longitudinal Joint Quality in Asphalt Pavements”, 88th Annual Meeting of the Transportation Research Board, TRB, Washington, D.C., January 2009.

Williams, R.D., “Utilization of Water Treatment Residuals to Reduce Non-Point Source Phosphorus Runoff from Land Applied Biosolids”, 33rd IAHR Congress, Water Engineering for a Sustainable Environment, Vancouver, British Columbia, August, 2009.

Yanagihara, K., Jin, S., and Ye, K., ”The differentiation of human embryonic stem cells into pancreatic islet cells within three-dimensional scaffold” Biomedical Engineering Society 2009 Annual Meeting, October, 7-10, 2009, Pittsburgh, PA.

Ye, K., Leach, J., and Jin, S. “Design of Aptamer-based Nanoparticle Carriers Targeting Prostate Tumors”, 2010 International Congress of Antibody, March 2010, Beijing, China. (Invited speaker).

Wang, W., Wang, X., Jin, S., and **K. Ye**, “Generation of Glucose-Responsive, Insulin-Secreting Cells from Embryonic Stem Cells”, Tissue Engineering and Regenerative Medicine International Society-EU, 2010 Meeting, June 13-17, 2010, Galway, Ireland.

Zaharoff, D.A., Schlom, J. and Greiner, J.W. Intravesical Chitosan/IL-12 Immunotherapy for the Management of Superficial Bladder Cancer. Biomedical Engineering Society Annual Meeting. Pittsburgh, PA. October 2009. (Poster Presentation).

Zaharoff, D.A., Hance, K.W., Rogers, C.J., Schlom, J. and Greiner, J.W. Intratumoral immunotherapy with chitosan/IL-12 eradicates established tumors and elicits durable, tumor-specific immune responses. International Society for the Biological Therapy of Cancer. Washington, DC. October 2009. (Poster Presentation).

Zhang, Dongfang, Jerry W. King and Ya-Jane Wang. “Measurement of Relative Recalcitrance of Biomass Substrates Using Hot Water/CO₂ Reactive Pretreatment.” Abstract. Presented at the AIChE Annual Meeting, Nashville, TN, November 7-13, 2009.

Zhao, F. Yi Liang, T. A. Costello, S. G. Bajwa. 2009. Comparison of Point Estimates from the Litter Floor and Whole-house Monitoring of Ammonia Emissions of Poultry Houses. Presented at the 2009 ASABE Annual International Meeting, Reno, Nevada, June 21 – June 24, 2009. ASABE Paper No. 09-7046.

OTHER CREATIVE ENDEAVORS:

Barnes, A., **J. C. Balda**, “Modified Cascade H-Bridge System”, invention disclosure, fall 2009.

Carr, J. A., **J. C. Balda**, “High Frequency Bus Multiport Converter”, invention disclosure, March 2010.

Carr, J. A., **J. C. Balda**, “Reduced Matrix Converter with Square Wave Input”, invention disclosure, March 2010.

Thomas, N.M. and **E.C. Clausen**. “Butyric Acid Yield Enhancement by Separation of Fermentation Broths and Continuous Electrodialysis.” Arkansas Science and Technology Authority, Final Report, March 2009.

Fant, E. Researched, designed, built and documented the installation of a North Star-axis, chronological tracking, pole mounted, two solar panel array, which generates 380 watts or less and approximately 625 kWhrs of 240 VAC (yearly), which is being fed through the control panel to aid in reducing the number of kWhrs in operating a three ton air conditioning system. The manual-operated chronological tracking allows the two panels to be within the one degree each week of where the sun is at its the highest point in the sky daily. The following is a public access website to the PV array at my house (Lo-debar Hill), commissioned for net metering by Ozark’s Electric Cooperative on Wednesday, August 19.

<http://enlighten.enphaseenergy.com/public/systems/qQfu1193>

Gattis, J.L., L. K. Duncan, M. S. Tooley, A. S. Brewer, M.Q. Le, and P. Muthu. Roadway Median Treatments, MBTC 2055/2067, Arkansas Highway & Transportation Department and Mack-Blackwell Transportation Center (December, 2009).

Hall, K.D., and James, M., “PCC Materials Input Values for Mechanistic-Empirical Pavement Design Guide”, Final Report – TRC 0708, Arkansas State Highway and Transportation Department, Little Rock, Arkansas, 2009.

Huang, A., Annual report-NSF, CMMI, “Understanding Corrosion and Diffusion Behavior in Metal Particle Polymer Composites for Corrosion Sensing.” 2009.

Huang, A., Annual report-NSF, DUE, “Robert Noyce Scholarship Program for Math, Science, and Engineering K-12 Teachers.” 2009.

Ye, K., and **Jin, S.**, pH-insensitive glucose indicator proteins. Provisional patent application 61/250118 (2009).

Kim, J.-W. and H.-M. Moon. Carbon nanotubes for shape- and size-controlled, “green” aqueous-phase synthesis of single-crystalline metallic nanoparticles. Invention disclosure filed (Aug. 2008).

Kim, J.-W. and J.-H. Kim. Fluorescent gold (FluoGold) NanoDots. Invention disclosure filed (Aug. 2008).

Malshe, A.P. (Co-PI) in collaboration with Caterpillar, Argonne National Laboratory (ANL) and NanoMech, “Multi-component Nanoparticle Based Lubricant Additive to Improve Efficiency and Durability in Engines,” *Department of Energy (DOE)* (2007-09), final report.

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Howard Brill, Vincent Foster University Professor of Legal Ethics and Professional Responsibility

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Chauncey Brummer, Professor of Law

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Carl Circo, Professor of Law

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Kim Coats, Assistant Professor of Law

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Donald P. Judges, E.J. Ball Professor of Law

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Ann Killenbeck, Assistant Professor of Law

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Mary Beth Matthews, Sidney Parker Davis, Jr. Professor of Business & Commercial Law

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Cynthia Nance, Dean and Professor of Law

Lectures/Speeches/Presentations

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Keynote Speaker, *Reflections on Faith and the Law*, Black History Month, Pepperdine University School of Law, Malibu, California, February 2009.
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Panelist, *Professional Development*, Annual Women in Law Conference, University of Iowa College of Law, Iowa City, Iowa, April 2009.
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Phillip Norvell, Professor of Law

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Kathy Sampson, Assistant Professor of Law

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Ned Snow, Associate Professor of Law

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Tim Tarvin, Assistant Professor of Law

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