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**AGRICULTURAL ECONOMICS**

**Southern Agricultural Economics Association  
49<sup>th</sup> Annual Meeting Program  
February 4-7, 2017  
Renaissance Mobile Riverview Plaza Hotel  
Mobile, AL**

**SAEA OFFICERS**

**President..... Jeffrey Gillespie  
President-Elect ..... Lisa House  
Past-President ..... Ron Rainey  
Director ..... Jody Campiche  
Director ..... Carlos Carpio  
Director ..... Susana Ferreira  
Secretary ..... John VanSickle  
Treasurer ..... Jeffrey L. Jordan  
Editors: ..... Michael Reed and Sayed Saghaian**

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**February 4, 2017 5 pm – 7 pm  
New Officer Orientation  
Riverview Plaza Hotel Bay Point Suite**

**February 4, 2017 6 pm – 8 pm  
*Quiz Bowl Orientation and Refreshments*  
Riverview Plaza Hotel Grand Bay Ballroom I**

**February 5, 2017 8 am – 4 pm  
*Quiz Bowl Competition*  
Mobile Convention Center 203A, 204A and 204B  
(203A until noon only)**

***Quiz Bowl Break / Recruitment Fair*  
February 5, 2017 8:00 am and 4:00 pm  
Riverview Plaza Hotel Prefunction Area (203/204)**

**February 5, 2017 8:00 am – 2:00 pm  
SAEA Executive Council  
Mobile Convention Center 202A**

**February 5, 2017 Noon – 4:00 pm**  
**Registration**  
**Mobile Convention Center Prefunction Area**

**Pre-Conference Session: Organized Symposium**  
**Southern Farms Financial Outlook and Extension's Response to Tight Margins**  
**February 5, 2016 1:30 pm – 4:30 pm**  
**Mobile Convention Center 203A**

**Organizer:** Southern Extension Economics Committee

**Sponsor:** Southern Risk Management Education Center

**February 5, 2017 2 pm – 4:00 pm**  
**Department Heads' Meeting**  
**Riverview Plaza Hotel Admirals Suite**

**February 5, 2017 2 pm – 4:00 pm**  
**SERA39**  
**Riverview Plaza Hotel The Commodore**

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**February 6, 2017 8 am – 12:00 noon**  
***Quiz Bowl Competition***  
**Mobile Convention Center 204A and 204B**

**Session 1: Invited Session**  
**Applied Economic Problem-Solving: Three Applications of Directed Experiential Student Learning in Extension Programming.**  
**February 6, 2017 8:30 am – 10:00 am**  
**Mobile Convention Center Ballroom East**

Organizer: Kim Morgan, Virginia Tech University

**Student Perceptions of a Community-Engaged, Interdisciplinary, Project-Based Undergraduate Learning Experience: Lessons from the Kohl Centre at Virginia Tech**  
By Kimberly L. Morgan, Thomas Archibald, and Rose Jeter, Virginia Tech

**Student Experiential Learning through Case Study Competitions – Linking Agribusiness and the Classroom**  
By Tim Woods, University of Kentucky; Lurleen Walters, Mississippi State University; and Wes Harrison, University of Kentucky

## **Extension Economics Practical Course Experience**

By Mike Woods, Oklahoma State University

### **Session 2: Selected Papers**

**Demand Analysis: Organic Foods, Local Foods and Willingness to Pay**

**February 6, 2017 8:30 am – 10:00 am**

**Mobile Convention Center 106A**

Session Chair: Brandon McFadden, University of Florida

#### **The Influence of Local Agricultural Production on Farm to School Expenditures**

By Jeffrey O'Hara, USDA AMS; Matthew Benson, USDA FNS; Katherine Ralston, USDA ERS

#### **Multinomial Logistic Analysis of the Most Frequent Markets for Locally/Regionally Grown Fresh Produce among Online Shoppers**

By Jean Dominique Gumirakiza, Western Kentucky University; Stephen King, Western Kentucky University; Sarah VanZee, Western Kentucky University

#### **The Effect of Market Segmentation on Consumer Welfare: The Case of Organic Fruits and Vegetables**

By Brandon McFadden, University of Florida; Conner Mullally, University of Florida

#### **Testing the External Validity of Market Good Bids in Second Price Auctions**

By Bachir Kassas, Texas A&M University; Marco Palma, Texas A&M University; Meghan Ness, Texas A&M University; David Anderson, Texas A&M University

### **Session 3: Selected Papers**

#### **Livestock Economics**

**February 6, 2017 8:30 am – 10:00 am**

**Mobile Convention Center 106B**

Session Chair: Scott Brown, University of Missouri

#### **Dynamic Analysis of the Livestock Inventory in Inner Mongolia**

By Wei Ge, Auburn University; Henry Kinnucan, Auburn University

#### **Pen-Level Characteristics of Beef Feedlot Performance and Returns with Consideration of Cattle Origin and Ownership**

By Anna Stehle, Oklahoma State University; Derrell Peel, Oklahoma State University

#### **Examination of Asymmetric Supply Response in the U.S. Meat Industries**

By Scott Brown, University of Missouri; Jongyeol Yoon, University of Missouri-Columbia

#### **The Farm-level Economics of Newer Sex-sorted Semen Technologies on Beef Operations**

By Scott Brown, University of Missouri; Agnieszka Dobrowolska, University of Missouri; Jordan Thomas, University of Missouri; David Patterson, University of Missouri

**Session 4: Selected Papers**  
**Farm Bill Analysis**  
**February 6, 2017 8:30 am – 10:00 am**  
**Mobile Convention Center 107B**

Session Chair: Candice Wilson, Kansas State University

**Effect of Imperfect Information on Kansas ARC-CO Wheat Enrollment**

By Mykel Taylor, Kansas State University; Candice Wilson, Kansas State University

**The Implications of a New Cotton Support Program**

By John Minor, University of Georgia; Brady Brewer, University of Georgia; Levi Russell, University of Georgia

**How will the Dairy Provisions in the Next Farm Bill be Different?**

By Brian Herbst, Texas A&M University; David Anderson, Texas A&M University; Joe Outlaw, Texas A&M University; James Richardson, Texas A&M University

**Regional Implications of the Margin Protection Program for Dairy**

By Jessica Richard, University of Kentucky; Tyler Mark, University of Kentucky; Kenneth Burdine, University of Kentucky

**Session 5: Selected Papers**  
**Crop Management**  
**February 6, 2017 8:30 am – 10:00 am**  
**Mobile Convention Center 107A**

Session Chair: Derek Farnsworth, University of Florida

**The Economic Impact of Rice Sheath Blight Alleviation in the Mid-South**

By Lawton Nalley, University of Arkansas; Francis Tsiboe, University of Arkansas; Alvaro Durand-Morat, University of Arkansas; Greg Thoma, University of Arkansas; Aaron Shew, University of Arkansas

**A Spatial Econometric Analysis of Within-field Crop Yield Variability Using Yield Monitor Data from a Mississippi Farm**

By Xiaofei Li, Mississippi State University; Keith Coble, Mississippi State University

**A Structural Approach to Estimating the Economic Cost of Citrus Greening in Florida's Orange Industry**

By Derek Farnsworth, University of Florida

**Farmers' Willingness to Pay for Soil Testing Service in Northern Haiti**

By Senakpon Kokoye, Auburn University

**Session 6: Selected Papers  
Economics of Biofuel Crop Production  
February 6, 2017 8:30 am – 10:00 am  
Mobile Convention Center Ballroom West**

Session Chair: Prabodh Illukpitiya, Tennessee State University

**Will Switchgrass as a Bio-crop be Adopted by the Farmers?**

By Mohit Anand, Auburn University; Patricia Duffy, Auburn University; David Bransby, Auburn University

**Comparative Economic Analysis of On-Farm Biodiesel Production from Summer Oilseed Crops**

By Suraj Adhikari, Tennessee State University; Prabodh Illukpitiya, Tennessee State University; Fisseha Tegegne, Tennessee State University; Enefiok Ekanem, Tennessee State University

**Is Ethanol a Sustainable Energy Source? Evidence from Potential Corn Availability**

By Dong Hee Suh, Korea University

**Cost of Procuring Invasive Eastern Red Cedar Biomass for Use as a Biobased Products Feedstock**

By Nurul Nadia Ramli, Oklahoma State University; Francis Epplin, Oklahoma State University

**Session 7: Lightning Session  
Risk and Insurance  
February 6, 2017 8:30 am – 10:00 am  
Mobile Convention Center 203A**

Session Chair: Todd Davis, University of Kentucky

**Hedging the Price Risk of Revenue Insurance through Futures Markets**

By Sweta Tiwari, Mississippi State University; Keith Coble, Mississippi State University; Ardian Harri, Mississippi State University; Barry Barnett, Mississippi State University

**Economic Value of Multi-peril Hazard Insurance**

By Mona Ahmadiani, University of Georgia; Craig Landry, University of Georgia

**Factors Influencing Chinese Farmer Demand for Tomato Price Insurance in Beijing-Tianjin-Hebei Region**

By Xue Guan, China Agricultural University; Bruce Ahrendsen, University of Arkansas; Yumei Liu, China Agricultural University

**Basis Risk and Welfare Effect of Weather Index Insurance for Smallholders in China**

By Ran Huo, University of Georgia; Octavio Ramirez, University of Georgia

**Simulated Western Kentucky Grain Farm Cash Flows, Working Capital Erosion, and Evaluation of Risk Management Tools to Manage these Risks**

By Todd Davis, University of Kentucky; Tyler Mark, University of Kentucky; Jonathan Shepherd, University of Kentucky

**A Risk Analysis of Precision Farming for Tomato Production**

By Yangxuan Liu, Eastern Kentucky University; Michael Langemeier, Purdue University; Ian Small, Cornell University; Laura Joseph, Cornell University; William Fry, Cornell University; Jean Ristaino, North Carolina State University; Amanda Saville, North Carolina State University

**Session 8: Selected Papers  
Livestock Production and Marketing  
February 6, 2017 10:00 am – 11:45 am  
Mobile Convention Center 106A**

Session Chair: Elizabeth McLeod, University of Tennessee

**Tennessee Beef Producers' Willingness to Participate in a Tennessee Branded Beef Program**

By Elizabeth McLeod, University of Tennessee; Kimberly L. Jensen, University of Tennessee; Andrew Griffith, University of Tennessee; Karen Lewis, University of Tennessee

**Producer Owned Cooperative Packing Plants and Mandatory Price Reporting: Unintended Consequences**

By Charles Martinez, Texas A&M University; David Anderson, Texas A&M University; John Park, Texas A&M University

**Effect of Silage Quality on Milk Production and Ogallala Aquifer Conservation Potential in the Texas High Plains**

By Lal Almas, West Texas A&M University; Bridget Guerrero, West Texas A&M University; David Lust, West Texas A&M University; Hina Fatima, Fatima Jinnah Women University; Emmanuel Mensah, West Texas A&M University

**Profitability and Competitiveness of Indigenous Horo Cattle Production in Ethiopia**

By Befikadu Legesse, North Carolina A&T State University; Osei Yeboah, North Carolina A&T State University

**Session 9: Selected Papers  
Agricultural Policy Analysis  
February 6, 2017 10:00 am – 11:45 am**

## **Mobile Convention Center 106B**

Session Chair: Chen Gao, Texas A&M University

### **Monetary Policy, Farm Sector Income and Farm Household Well-being-A VECM Analysis**

By Chen Gao, Texas A&M University; David Leatham, Texas A&M University

### **Measuring Prevalence, Profiling and Evaluating Policy Impacts Using Two Food Security Indicators in Guatemala**

By Luis Sandoval-Mejia, Texas Tech University; Carlos Carpio, Texas Tech University

### **Creating Opportunities in Ghana's Poultry Industry through Private Strategies and Public Policies**

By Kara Ross, Kansas State University; Frank Nti, Kansas State University; Aleksan Shanoyan, Kansas State University; Yacob Zereyesus, Kansas State University; Vincent Amanor-Boadu, Kansas State University

### **U.S. Energy Price Volatility Spillover in Global Corn Markets**

By Madhav Regmi, Kansas State University; Allen Featherstone, Kansas State University

## **Session 10: Lightning Round Price Analysis February 6, 2017 10:00 am – 11:45 am Mobile Convention Center 203A**

Session Chair: Levi Russell, University of Georgia

### **U.S. Broiler, Turkey and Total Poultry Supply Response to Corn Feed Prices**

By Ahmed Hussein, University of Kentucky

### **Determinants of Weanling Thoroughbred Auction Prices**

By Charlotte Hansen, American Veterinary Medical Association; C. Jill Stowe, University of Kentucky

### **Price Effects of Heifer Reproductive Tract Scores**

By Levi Russell, University of Georgia; Jason Duggin, University of Georgia

### **A Hedonic Analysis of Feeder Cattle Auction Prices in Northeast Texas**

By Jose Lopez, Texas A&M University-Commerce; Taiwo Bankole, Texas A&M University-Commerce; Rafael Bakhtavoryan, Texas A&M University-Commerce

### **Hedonic Price Analysis of Hay Auction Prices in Kentucky**

By Madeline Dant, University of Kentucky

### **Can U.S. Energy Information Agency Retail Gasoline Price Forecasts be Improved Upon?**

By Panit Arunanondchai, Texas A&M University; Mark Senia, Texas A&M University; Oral Capps, Texas A&M University

### **Time Varying Correlation among Corn, Ethanol, and Gasoline: A Copula-Garch Approach**

By Sang Su Ha, Kansas State University

**Session 11: Selected Papers**  
**Production Efficiency & Yield Analysis**  
**February 6, 2017 10:00 am – 11:45 am**  
**Mobile Convention Center 107A**

Session Chair: Eric Ofori, Mississippi State University

**Production Efficiency Analysis of Capsicum (Bell Pepper) Cropping System under the Tunnels in Punjab, Pakistan**

By Hina Fatima, Fatima Jinnah Women University; Lal Almas, West Texas A&M University; Bushra Yasmin, Fatima Jinnah Women University

**Are Efficient Farms and Inefficient Farms Heterogeneous?**

By Youngjune Kim, Kansas State University; Bowen Chen, Kansas State University; Allen Featherstone, Kansas State University; Dustin Pendell, Kansas State University

**Production Efficiency of Chicken Broiler Farmers in Ghana**

By Agness Mzyece, Kansas State University; Frank Nti, Kansas State University

**Spatial Heterogeneities of Warming Impacts on Corn Yields in Ghana**

By Eric Ofori, Mississippi State University; Jesse Tack, Kansas State University; Ardian Harri, Mississippi State University; Xiaofei Li, Mississippi State University

**Session 12: Selected Papers**  
**Milk Price Analysis**  
**February 6, 2017 10:00 am – 11:45 am**  
**Mobile Convention Center 107B**

Session Chair: Yizao Liu, Pennsylvania State University

**An Analysis of Retail Fluid Milk Pricing in the Eastern United States**

By Yuliya Bolotova, Clemson University

**The Competitive Impact of Dairy Farmer Cooperatives on Farm-Gate and Retail Milk Prices**

By Jasper Grashuis, University of Missouri-Columbia

**Heterogeneous Effects of Private Label and Branded Products on Farm-Retail Price Transmission: The Case of the U.S. Fluid Milk Market**



By Yizao Liu, Pennsylvania State University; Xuan Chen, Pennsylvania State University; Adam Rabinowitz, University of Georgia

**Diversions and the Role they Play in Determining Order 7 Milk Price**

By Owen Townsend, University of Kentucky; Tyler Mark, University of Kentucky; Kenneth Burdine, University of Kentucky

**Session 13: Selected Papers  
Issues in the Design of Water Markets  
February 6, 2017 10:00 am – 11:45 am  
Mobile Convention Center Ballroom East**

Session Chair: Misti Sharp, University of Florida

**Improving Water Quality Trading Outcomes by Reducing Uncertainty: An Experimental Study on Resolving Regulation Uncertainty**

By Misti Sharp, University of Florida; Jordan Suter, Colorado State University; Dana Hoag, Colorado State University

**The Impact of Endowment Effect on Farm Profit**

By Donna Mitchell, Texas Tech University; Blessing Ugwuanyi, Texas Tech University; Ryan Williams, Texas Tech University

**Water Quality Trading Without Trades: An Analysis into the Lack of Agricultural Nonpoint Source Credit Demand in Virginia**

By Kurt Stephenson, Virginia Tech; Leonard Shabman, Resources for the Future

**The Effect of Social and Consumption Analytics on Residential Water Demand**

By Mehdi Nemati, University of Kentucky; Steven Buck, University of Kentucky; Hilary Soldati, University of California Berkeley

**Session 14: Selected Papers  
Market Equilibrium Analysis  
February 6, 2017 10:00 am – 11:45 am  
Mobile Convention Center Ballroom West**

Session Chair: Clinton Neill, Oklahoma State University

**The Welfare Effects of Ethanol and Biodiesel Mandating on Edible Oil and Corn Uses in the United States**

By Turker Dogruer, Texas Tech University

**Tests for the Law of One Price and Perfect Price Transmission in the U.S. Shrimp Market: Bias in Simulation of Exchange Rate Pass-Through**

By Henry Kinnucan, Auburn University; Ly Nguyen, Auburn University

**Price Transmission along the Supply Chain of Strawberries in Mexico**

By Oscar Aguilar Candelas, Colegio de Posgrados de Ciencias Agrícolas de Mexico; Jaime Arana, Colegio de Posgrados de Ciencias Agrícolas de Mexico; Carlos Trejo-Pech, University of Tennessee at Knoxville; Miguel Martinez Damian, Colegio de Posgrados de Ciencias Agrícolas de Mexico

**Is the Veterinary Industry Chasing its Tail? An Equilibrium Analysis of Veterinarian Service Hours**

By Clinton Neill, Oklahoma State University; Rodney Holcomb, Oklahoma State University

**February 6, 2017 12:00 noon – 1:15 pm  
48<sup>th</sup> SAEA Annual Meetings Luncheon  
RPH Bon Secuor Ballroom**

**Welcome by Jeffrey Gillespie, SAEA President**

**Presidential Address  
Lisa House**

**Session 15: Legends vs. Quiz Bowl Champs  
February 6, 2017 1:30 pm – 3:00 pm  
Mobile Convention Center 204B**

Session Chair: Sierra Howry, University of Wisconsin, River Falls

**Session 16: Selected Papers  
Demand for Fruits and Nuts in the United States  
February 6, 2017 1:30 pm – 3:00 pm  
Mobile Convention Center 106A**

Session Chair: Felipe Peguero, Louisiana State University

**Consumer Demand for Nut Products in the United States: Application of Semi-parametric Estimation of Censored Quadratic Almost Ideal Demand System (C-QUAIDS) with Household-Level Micro Data**

By Senarath Dharmasena, Texas A&M University; Oral Capps Jr., Texas A&M University

**The Taste for Variety: Demand Analysis for Nut Products in the United States**

By Guo Cheng, Texas A&M University; Senarath Dharmasena, Texas A&M University; Oral Capps Jr., Texas A&M University

**U.S. Demand for Fresh Fruit Imports**

By Hovhannes Mnatsakanyan, Texas A&M University-Commerce; Jose Lopez, Texas A&M University-Commerce; Rafael Bakhtavoryan, Texas A&M University-Commerce

**U.S. Demand for Fresh Bell Peppers with Varying Seasonal Own- and Cross-Price Flexibilities**

By Felipe Peguero, Louisiana State University

**Session 17: Selected Papers**  
**Food Demand, Economic Shocks and Nutrition**  
**February 6, 2017 1:30 pm – 3:00 pm**  
**Mobile Convention Center 106B**

Session Chair: Tingyi Yang, Texas A&M University

**The Impact of Changes in Commodity Prices on Household Welfare in Rural Burkina Faso**

By Timothy Dalton, Kansas State University; Nathan Hendricks, Kansas State University; Tebila Nakelse, Kansas State University

**Pre-Determined Demand and Theoretical Regularity Conditions: Their Importance for Consumer Food Demand Using QUAIDS and Policy Analysis Implications**

By Mark Senia, Texas A&M University; Senarath Dharmasena, Texas A&M University

**Food Demand and Nutrient Elasticities for Ghana**

By Benaissa Chidmi, Texas Tech University; Gifty Sienso, Texas Tech University

**U.S. Demand for Dairy Alternative Beverages: Attribute Space Distance and Hedonic Matrix Approaches**

By Tingyi Yang, Texas A&M University; Senarath Dharmasena, Texas A&M University; Oral Capps, Jr., Texas A&M University

**Session 18: Selected Papers**  
**Factors Affecting Food and Agricultural Prices**  
**February 6, 2017 1:30 pm – 3:00 pm**  
**Mobile Convention Center 107A**

Session Chair: Abdelaziz Lawani, University of Kentucky

**The Impact of Monetary Policy on Agricultural Price Index in China: A FAVAR Approach**

By Ying Tan, South China Agricultural University; Wenbiao Sha, South China Agricultural University; Krishna Paudel, Louisiana State University

**Volatility Spillover between Oil Prices, U.S. Dollar Exchange Rates and International Agricultural Commodities Prices**

By Sima Siami-Namini, Texas Tech University; Darren Hudson, Texas Tech University

**Impact of Food Reserve Programs on Price Levels and Volatility: A Natural Experiment from Benin Cereals Markets in West Africa**

By Abdelaziz Lawani, University of Kentucky; Michael Reed, University of Kentucky

**Investigation of the Relationship between World Food Prices and Energy: A Panel SUR Approach**

By Reza Hezareh, Ferdowsi University of Mashhad; Mohammad Seraji, Ferdowsi University of Mashhad; Naser Shahnoushi, Ferdowsi University of Mashhad; Sayed Saghaian, University of Kentucky

**Session 19: Selected Papers**  
**Applications of Models of Consumer Demand in Food Markets**  
**February 6, 2017 1:30 pm – 3:00 pm**  
**Mobile Convention Center 107B**

Session Chair: Vardges Hovhannisyan, University of Wyoming

**Demand for Yogurt in the Trend of Manufacturer Brand and Organic Information**

By Rezar Mohammad, Texas Tech University; Olga Murova, Texas Tech University; Benaissa Chidmi, Texas Tech University

**Brand-Level Demand Analysis of Mayonnaise in Northeast Texas**

By Rafael Bakhtavoryan, Texas A&M University-Commerce

**Household Demand for Meat Products in Lagos State, Nigeria**

By Olumide Aborisade, Texas Tech University; Carlos Carpio, Texas Tech University

**Assessing Provincial Level Demand for Food Quantity and Quality in China: An EASI Demand System Approach**

By Vardges Hovhannisyan, University of Wyoming

**Session 20: Selected Papers**  
**Food Demand Analyses Using Household Level Data**  
**February 6, 2017 1:30 pm – 3:00 pm**  
**Mobile Convention Center 203A**

Session Chair: Bo Chen, University of Kentucky

**An Empirical Analysis of the Impact of Coupons on the Demand for Food Products Using a Demand System Approach**

By Artak Meloyan, Texas A&M University-Commerce; Rafael Bakhtavoryan, Texas A&M University-Commerce

**Consumer Demand for Meat in Kenya: An Examination using the Linear Approximate Almost Ideal Demand System**

By Benaissa Chidmi, Texas Tech University; Shaikh Rahman, Texas Tech University; Mumina Shibia, Texas Tech University

**An Analysis of Demand for Roots and Tubers in Kenya using the Linear Approximate Almost Ideal Demand System (LA-AIDS)**

By Benaissa Chidmi, Texas Tech University; Shaikh Rahman, Texas Tech University; Patrick Rono, Texas Tech University

**Does Consumers' Preference for Organic Foods Affect Their Store Format Choices?**

By Bo Chen, University of Kentucky; Sayed Saghaian, University of Kentucky

**Session 21: Selected Papers  
Beef Demand Analysis  
February 6, 2017 1:30 pm – 3:00 pm  
Mobile Convention Center Ballroom East**

Session Chair: Steven Green, Western Kentucky University

**Is Imported Beef Really a Substitute for Domestic Beef?**

By James Mitchell, Kansas State University; Glynn Tonsor, Kansas State University

**Impacts of Retail and Export Beef Demand on Cattle Producers**

By Melissa McKendree, Kansas State University; Glynn Tonsor, Kansas State University; Ted Schroeder, Kansas State University; Nathan Hendricks, Kansas State University

**Market Responses to Beef Recalls**

By Samane Zarebanadkoki, University of Kentucky; Sayed Saghaian, University of Kentucky; Yuqing Zheng, University of Kentucky; Steven Buck, University of Kentucky

**Factors Influencing Preferences and Purchasing Decisions among Millennials and their Willingness to Pay for Differentiated Types of Beef**

By Steven Green, Western Kentucky University; Jean Dominique Gumirakiza, Western Kentucky University

**Session 22: Selected Papers  
Risk Management  
February 6, 2017 1:30 pm – 3:00 pm  
Mobile Convention Center Ballroom West**

Session Chair: Kerr Adams, University of Arkansas

**Risk Effects on Producers' Use of Tillage and Cover Crop Systems in Long-Term Cotton Production**

By Xavier Harmon, University of Tennessee; Christopher Boyer, University of Tennessee; Dayton Lambert, University of Tennessee; James A. Larson, University of Tennessee; Donald Tyler, University of Tennessee

**On-Farm Water Storage as a Tool to Reduce Risk**

By Domena Agyeman, Mississippi State University; Brian Williams, Mississippi State University; Keith Coble, Mississippi State University; Bryon Parman, Mississippi State University

**Cross Hedging Whole Cottonseed**

By Wesley Regmund, Texas A&M University; John Robinson, Texas A&M AgriLife Extension Service; David Anderson, Texas A&M University

**Return on Investment in Irrigation Practices in Response to the Rate of Adoption on an Agricultural Landscape**

By Kerr Adams, University of Arkansas; Kent Kovacs, University of Arkansas; Tyler Knapp, University of Arkansas

**Session 23: Selected Papers**  
**Consumer Preferences for Meat and Seafood Attributes**  
**February 6, 2017 1:30 pm – 3:00 pm**  
**Mobile Convention Center 105B**

Session Chair: Meagan Merritt, University of Tennessee

**Consumer Willingness to Pay for "Natural" Beef**

By Konstantinos Syrengelas, University of Tennessee-Knoxville; Karen Lewis, University of Tennessee; Carola Grebitus, Arizona State University; Rodolfo Nayga Jr., University of Arkansas

**Assessing the Influence of Tangible and Intangible Seafood Characteristics on Consumers' Purchasing Decisions**

By English Ratliff, Clemson University; Michael Vassalos, Clemson University; Wuyang Hu, University of Kentucky

**The Impact of Hormone Use Perception on Consumer Meat Preference**

By Ruoye Yang, Oklahoma State University; Kellie Raper, Oklahoma State University; Jayson Lusk, Oklahoma State University

**Consumer Willingness to Pay for Tennessee Certified Beef**

By Meagan Merritt, University of Tennessee; Karen Lewis, University of Tennessee; Andrew Griffith, University of Tennessee; Kimberly L. Jensen, University of Tennessee

**Session 24: Selected Papers**  
**Effect of Information and Experiments Design on Consumer Choices**  
**February 6, 2017 1:30 pm – 3:00 pm**

## **Mobile Convention Center 204A**

Session Chair: Alba Collart, Mississippi State University

### **Pollinator Friendly Plants: Reasons for and Barriers to Purchase**

By Benjamin Campbell, University of Georgia; Hayk Khachatryan, University of Florida; Alicia Rihn, University of Florida

### **Do Consequentiality and Food Waste Information Influence Consumer Preferences for “Ugly” Produce?**

By Alba Collart, Mississippi State University; Matthew Interis, Mississippi State University

### **Testing the Consistency of Discrete Choice Experiment Preferences**

By Michelle Segovia Coronel, Texas A&M University; Marco Palma, Texas A&M University; Daniel Chavez, Texas A&M University

### **Loss Aversion and Willingness to Pay for New Products**

By A. Banerji, Delhi School of Economics; Jeevant Rampal, The Ohio State University

**February 6, 2017 3:00 pm – 3:30 pm**

**BREAK: Mobile Convention Center Prefunction Area**

### **Session 25: Invited Session**

#### **Antibiotics and Agriculture**

**February 6, 2017 3:30 pm – 5:00 pm**

**Mobile Convention Center 204A**

Organizer: Matthew Salois, Elanco Animal Health

### **Economic & Consumer Trends on Antibiotic Use in Agriculture**

By Matthew Salois, Elanco Animal Health

### **Implications of a US metaphylaxis antimicrobial ban in cattle feedlots: who benefits, who loses?**

By Elliot Dennis, Kansas State University

### **Incentivizing New Products in Animal Pharmaceuticals to Reduce Antibiotic Use**

By Stacey Sneeringer, USDA

### **Session 26: Selected Papers**

#### **Consumers and Producers Acceptance and Use of New Technologies**

**February 6, 2017 3:30 pm – 5:00 pm**

**Mobile Convention Center 106A**

Session Chair: Benjamin Campbell, University of Georgia

**Consumer Preference and Market Simulations for Food and Non-Food GMO Introductions**

By Joshua Berning, University of Georgia; Benjamin Campbell, University of Georgia

**Adoption and the Extent of Adoption of Soil Sampling Technologies among Cotton Producers in Southern U.S.**

By Eric Asare, Texas Tech University; Eduardo Segarra, Texas Tech University; Benaissa Chidmi, Texas Tech University; Ryan Williams, Texas Tech University; Chenggang Wang, Texas Tech University

**Do Farmers with Less Education and Experience Realize Higher Yield Gains from GM Maize in Developing Countries? Evidence from the Philippines**

By Michael Jones, North Carolina State University; Roderick Rejesus, North Carolina State University; Zachary Brown, North Carolina State University; Jose Jr.Yorobe, University of the Philippines at Los Banos

**Importance of Mesonet Weather Information for Agricultural Production in Oklahoma**

By Jad Ziolkowska, University of Oklahoma

**Session 27: Selected Papers  
Productivity Analysis and Emerging Technologies  
February 6, 2017 3:30 pm – 5:00 pm  
Mobile Convention Center 201B**

Session Chair: Rina Vuciterna, University of Arkansas

**Analysis of Risk-Economies of Scope and Scale Efficiency Due to Diversification**

By Saleem Shaik, North Dakota State University; Osei Yeboah, North Carolina A&T State University; Kwame Addey, North Dakota State University

**Factors Affecting the Innovation in Chinese Enterprises: A Survey Study of Enterprises Characteristics**

By Yilan Xu, University of Kentucky

**Efficiency and Competitiveness of Kosovo Raspberry Producers**

By Rina Vuciterna, University of Arkansas; Michael Thomsen, University of Arkansas; Jennie S. Popp, University of Arkansas; Arben Musliu, University of Prishtina

**Evaluating the Role of Trade Risk on Efficiency and Productivity: An Empirical Analysis of World Agricultural Trade**

By Saleem Shaik, North Dakota State University

**Session 28: Selected Papers  
Export Competition and Trade Analysis  
February 6, 2017 3:30 pm – 5:00 pm  
Mobile Convention Center 106B**



Session Chair: Yosef Alamri, University of Kentucky

**Competitiveness of U.S. Chicken Meat in Ghana**

By Frank Nti, Kansas State University; Kara Ross, Kansas State University

**U.S. Import Demand of Selected Coffee Product from Ethiopia under African Growth and Opportunity Act (AGOA)**

By Haimanot Bolden, North Carolina A&T State University; Osei Yeboah, North Carolina A&T State University; Befikadu Legesse, North Carolina A&T State University

**Measuring the Intensity of Competition among Rice Exporters to Saudi Arabia**

By Yosef Alamri, University of Kentucky; Sayed Saghaian, University of Kentucky

**Session 29: Selected Papers  
Consumer Demand Applications  
February 6, 2017 3:30 pm – 5:00 pm  
Mobile Convention Center 107B**

Session Chair: P. Lynn Kennedy, Louisiana State University

**Private Labels Competition, Retail Pricing and Bargaining Power: The Case of Fluid Milk Market in Connecticut**

By Xuan Chen, Pennsylvania State University; Yizao Liu, Pennsylvania State University; Adam Rabinowitz, University of Georgia

**An Assessment of the Relationship between the High Fructose Corn Syrup and the Soft Drink Markets in the United States**

By P. Lynn Kennedy, Louisiana State University; Pablo Garcia, Midwestern State University; Gustavo Ferreira, USDA ERS

**Consumer Knowledge, Perception and Acceptance of GMOs**

By Benjamin Campbell, University of Georgia; Joshua Berning, University of Georgia

**Consumer Acceptance on Genetically Modified Food: Application of the Prospect Theory**

By Ping Qing, Huazhong Agricultural University; Wuyang Hu, University of Kentucky

**Session 30: Selected Papers  
Property Rights and Institutions  
February 6, 2017 3:30 pm – 5:00 pm  
Mobile Convention Center 203A**

Session Chair: Masaki Nakabayashi, The University of Tokyo

**Women's Property Rights and Outreach of Microfinance Institutions Targeting Women**

By Rachel Bailey, Auburn University; Valentina Hartarska, Auburn University

**Developing an Institutional Political Economy Framework Integrating Firms, Markets and States**

By Wanki Moon, Southern Illinois University

**Property and Risk: Revisit to Peasant Economy in Modern Japan**

By Masaki Nakabayashi, The University of Tokyo

**The Impact of the 2008 Financial Crisis on Microfinance Institutions**

By Rui Chen, Auburn University; Valentina Hartarska, Auburn University

**Session 31: Selected Papers  
Rural Development  
February 6, 2017 3:30 pm – 5:00 pm  
Mobile Convention Center 204B**

Session Chair: Haiyan Wang, Texas Tech

**The Short-Term Economic Impact of Rural Hospital Closures**

By Jacob Manlove, Oklahoma State University; Brian Whitacre, Oklahoma State University

**Purchasing Online: How Different Are Chinese and US Farming Households**

By Defeng Meng, Nanjing Audit University; Wuyang Hu, University of Kentucky

**Does USDA's Value-Added Producer Grant Increase Firm Survival?**

By Georgeanne Artz, Iowa State University; Marcie Stevenson, Iowa State University

**Assessing the Effect of Knowledge and Attitudes on Skin Cancer Prevention in Rural Communities**

By Haiyan Wang, Texas Tech University; Conrad Lyford, Texas Tech University; Barent McCool, Texas Tech University

**Session 32: Organized Symposium  
Helping Southern Farmers Manage Through Financial Crisis  
February 6, 2017 3:30 pm – 5:00 pm  
Mobile Convention Center 105B**

Organizer: Aaron Smith, University of Tennessee

Moderator: Todd Davis, University of Kentucky

Presenters: Joe Outlaw, Texas A&M University; Steven Klose, Texas A&M University; Aaron Smith, University of Tennessee; Brian Williams, Mississippi State University

**February 6, 2017 5:15 pm – 7:00 pm**  
**SAEA Business Meeting and Awards Program**  
**RPH Bon Secour 1**

**February 6, 2017 6:30 – 8:30 pm**  
**Student Reception**  
**Moe's Original Barbeque, 701 Springhill Ave.**

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**Session 33**  
**SAEA Lifetime Achievement Awards Breakfast**  
**February 7, 2017 8:00 am – 10:00 am**  
**Mobile Convention Center Ballroom West**

SAEA recognizes significant and enduring contributions in scholarship or public service to Southern agricultural economics. This award recognizes individual distinguished contributions to the profession over a career. The award winners for 2017 will be recognized at this session and each award recipient will make a short presentation on the highlights of their career and their perspectives on agricultural economics as a professional home.

Session Chair: Ron Rainey, University of Arkansas

Presenters:

Derrell Peel, Oklahoma State University  
Larry Falconer, Mississippi State University  
Eduardo Segarra, Texas Tech University

**Session 34**  
**Emerging Scholars**  
**February 7, 2017 10:30 am – 12:00 noon**  
**Mobile Convention Center 107A**

Session Chair: Ron Rainey, University of Arkansas

**Does Technological Progress in Agriculture Reduce Cropland Expansion? An Empirical Investigation**  
By Nelson Villoria, Kansas State University

**The Placement of Oil and Gas Wells in Response to Environmental Litigation Risks**  
Richard Thomas (Max) Melstrom, Oklahoma State University

**Risk Effects on Nitrogen Fertilization and Cost-Share Payments under Alternative Tillage and Cover Crop Systems for Cotton**

Chris Boyer, University of Tennessee

**Session 35: Selected Papers  
Poverty, Development and Food Security in Africa  
February 7, 2017 10:30 am – 12:00 noon  
Mobile Convention Center 204A**

Session Chair: Yawotse Nouve, New Mexico State University

**Socioeconomic Determinants of Food Access among Rural Households in Ghana**

By Kwaku Antwi, Texas Tech University; Conrad Lyford, Texas Tech University

**An Assessment of Resilience in Northern Ghana**

By Elizabeth Gutierrez, Kansas State University; Yacob Zereyesus, Kansas State University; Kara Ross, Kansas State University; Vincent Amanor-Boadu, Kansas State University

**Poverty Analysis in Northern Ghana: A Comparison of Subjective and Objective Approaches**

By Yacob Zereyesus, Kansas State University; Kara Ross, Kansas State University; Vincent Amanor-Boadu, Kansas State University

**Extreme Weather Events, Farm Income, and Poverty in Niger**

By Yawotse Nouve, New Mexico State University; Ram Acharya, New Mexico State University

**Session 36: Selected Papers  
Food, Agriculture and Nutrition  
February 7, 2017 10:30 am – 12:00 noon  
Mobile Convention Center 106B**

Session Chair: Ram Acharya, New Mexico State University

**Does Market Access Improve Dietary Diversity? Evidence from Bangladesh**

By Kelly Davidson, University of Florida; Jaclyn Kropp, University of Florida

**The Effect of NuVal Shelf Nutrition Labels on Consumer Behavior**

By Grace Melo, University of Georgia; Chen Zhen, University of Georgia

**Transitioning to Center of Plate: Improving Consumers' View of Beans in Zambia**

By Kara Ross, Kansas State University; Vincent Amanor-Boadu, Kansas State University

**Integrated Animal and Crop Production Systems and Food Security in Nepal**

By Ram Acharya, New Mexico State University

**Session 37:Selected Papers**  
**Industrial Organization**  
**February 7, 2017 10:30 am – 12:00 noon**  
**Mobile Convention Center 204B**

Session Chair: Pablo Garcia-Fuentes, Midwestern State University

**Determining the Location and Size of a Tennessee Milk Condensing Plant**

By David Mendez, University of Tennessee; Tun-hsiang Yu, University of Tennessee; David Hughes, University of Tennessee; Andrew Griffith, University of Tennessee

**Does Vertical Integration Increase Efficiency? A Look at Ethanol Plants in the Center-South of Brazil**

By Ana Claudia Sant' Anna, Kansas State University; Jason Bergtold; Kansas State University; Allen Featherstone, Kansas State University; Marcellus Caldas, Kansas State University; Gabriel Granco, Kansas State University

**Big (Market) Power in Baby Food: Price Impacts of Market Power in the Organic Baby Food Industry**

By Xiaojin Wang, The Ohio State University; Kathryn Boys, North Carolina State University; Neal Hooker, The Ohio State University

**An Estimation of a Price Model of the High Fructose Corn Syrup Industry in the United States**

By Pablo Garcia-Fuentes, Midwestern State University; P. Lynn Kennedy, Louisiana State University; Gustavo Ferreira, USDA ERS

**Session 38: Lightning Round**  
**Agricultural Trade Issues**  
**February 7, 2017 10:30 am – 12:00 noon**  
**Mobile Convention Center Ballroom East**

Session Chair: Kevin Herrell, University of Tennessee at Martin

**Honduran Coffee Trade: Economic Effects of Fair Trade Certification on Individual Producers**

By Kevin Herrell, University of Tennessee at Martin; Rachna Tewari, University of Tennessee at Martin; Joseph Mehlhorn, University of Tennessee at Martin

**Determinants of the Export Demand of U.S. Distillers Dried Grains with Solubles**

By Maria De Matteis, University of Tennessee; Tun-hsiang Yu, University of Tennessee; Christopher Boyer, University of Tennessee; Karen Lewis, University of Tennessee

**A Partial Equilibrium Model of Grain Sorghum in the United States, Australia, Mexico, and Japan**

By Kazuyoshi Ishida, Texas Tech University

**Monetary Policy, Exchange Rate Shocks and U.S. Agricultural Trade**

By Nikhil Damodaran, Louisiana State University

**Cool as an Import Quota: Partial Equilibrium Analysis of U.S. Beef Sector**

By Phillipa Odom, North Carolina A&T State University; Osei Yeboah, North Carolina A&T State University; Saleem Shaik, North Dakota State University; Cephass Naanwaab, North Carolina A&T State University; Befikadu Legesse, North Carolina A&T State University

**Session 39: Organized Symposium**

**Big Ag Data & Precision Agriculture: What are the Extension, Teaching & Research Needs**

**February 7, 2017 10:30 am – 12:00 noon**

**Mobile Convention Center 207A**

Presenters: Paul Goeringer, University of Maryland; Jordan Shockley, University of Kentucky; Xiaofei Li, Mississippi State University; Keith Coble, Mississippi State University

**February 7, 2017 12:00 noon – 1:30 pm**

**Lunch Break**

**Session 40: Invited Session**

**How Nudging, Peers, and Information Influence Food Choices and Health Behaviors**

**February 7, 2017 1:30 pm – 3:00 pm**

**Mobile Convention Center 107A**

Organizer: Jaclyn Kropp, University of Florida

**Nudging to Reduce Rice Consumption and Improve Meal Diversity in Bangladesh**

By Kelly Davidson and Jaclyn Kropp, University of Florida

**The Effect of Informational Nudging on Pre-Ordered Food Choices of Middle School National School Lunch Program Participants**

By Jaclyn Kropp, University of Florida and Sonam Gupta, Impaq International

**Modeling Product Choices in a Peer Network**

By Di Fang, University of Arkansas

**To Tell or Not to Tell: How the Initial Information Impacts Participants' Behavior**

By Gnel Gabrielyan and David Just, Cornell University

**Session 41: Selected Papers**

**International Development: Gender and Agriculture**

**February 7, 2017 1:30 pm – 3:00 pm**

**Mobile Convention Center 201B**

Session Chair: Santosh Neupane, University of Tennessee

**Gender Differentials and Determinants of Female-Male Holders Revenue Efficiency during the Implementation of the GTP Plan in Ethiopia: A Panel Data Study**

By Sandra Contreras, Kansas State University; Timothy Dalton, Kansas State University

**Gender and Its Impact on Business Owner Satisfaction in Family Farms**

By Wenxuan Li, Purdue University; Maria Marshall, Purdue University

**Gender Wage Gap and Discrimination in Developing Countries**

By Mo Zhou, Auburn University; Robert Nelson, Auburn University

**Time Allocation Model for Fuelwood Collection in Rural Nepal: An Empirical Analysis**

By Christopher Clark, University of Tennessee; Santosh Neupane, University of Tennessee

**Session 42: Lightning Round  
Food Safety, Fisheries and Aquaculture  
February 7, 2017 1:30 pm – 3:00 pm  
Mobile Convention Center Ballroom East**

Session Chair: McCauley Frierson, Clemson University

**Audit Grades in Food Safety Certification: Evidence from the British Retail Consortium Global Standard**

By Yuqing Zheng, University of Kentucky; Talia Bar, University of Connecticut

**Perceptions of Selected Aquaculture Practices: Shanghai Residents' Views on Water and Feed Quality**

By Chunxiao Wang, Shanghai Ocean University; Wojciech Florkowski, University of Georgia; Zhengyong Yang, Shanghai Ocean University; Yanan Li, Shanghai Ocean University

**A Bioeconomic Model of Shellfish Harvests Regulated for Food Safety**

By Sergio Alvarez, Florida A&M University; Joonghyun Hwang, Mississippi State University; Daniel Solis, Florida A&M University

**An Economic, Social and Technological Characterization of the Puerto Rican Commercial Trap Fishery**

By Juan Agar, NOAA; Manoj Shivlani, University of Miami; Daniel Solis, Florida A&M University

**Application of a Generalized Additive Model to the Chilean Hake Population in a Bioeconomic Context**

By Selin Guney, Texas State University; Andres Riquelme, Universidad de Talca

**Evaluating the Economic Profitability of Establishing an Aquaculture Research Facility: The Case of Clemson University's Aquaculture Center**

By McCauley Frierson, Clemson University; Michael Vassalos, Clemson University; Lance Beecher, Clemson University

**Session 43: Selected Papers**

**Modern Statistical Applications in Agricultural Economics**  
**February 7, 2017 1:30 pm – 3:00 pm**  
**Mobile Convention Center 105B**

Session Chair: Michael Jones, North Carolina State University

**Measuring the Value of Housing Services in Household Surveys: An Application of Machine Learning Approach**

By Weldensie Embaye, Kansas State University; Yacob Zereyesus, Kansas State University

**Meta-Analysis of Multiple Treatments Experiments**

By Samuel Zapata, Texas A&M University; Terry Griffin, Kansas State University

**Veterinarians and Student Loan Debt: Is the Burden Too Much?**

By Frederic Ouedraogo, American Veterinary Medical Association; Wade Brorsen, Oklahoma State University; Michael Dicks, American Veterinary Medical Association

**Distribution of GM Maize Yield Effects in the Philippines: Comparing Quantile Regression Approaches**

By Michael Jones, North Carolina State University; Roderick Rejesus, North Carolina State University; Zachary Brown, North Carolina State University; Jose Yorobe, Jr., University of the Philippines at Los Baños

**Session 44: Selected Papers**  
**Impacts of Trade and Trade Agreements**  
**February 7, 2017 1:30 pm – 3:00 pm**  
**Mobile Convention Center 203A**

Session Chair: Stephen Devadoss, Texas Tech University

**Potential Impact of TPP Trade Agreement on U.S. State Corn, Soybeans and Wheat Agricultural Trade: Trade Creation or Trade Diversion**

By Kwame Addey, North Dakota State University; Saleem Shaik, North Dakota State University; Osei Yeboah, North Carolina A&T State University

**Bilateral Trade Flows between U.S. Trans Pacific Partnership Countries: Country Pair Analysis**

By Helga Aku, North Carolina A&T State University; Osei Yeboah, North Carolina A&T State University; Saleem Shaik, North Dakota State University; Befikadu Legesse, North Carolina A&T State University; Paula Faulkner, North Carolina A&T State University

**Welfare Effects of the U.S.-Mexican Tomato Agreement**

By Elijah Kosse, University of Idaho; Stephen Devadoss, Texas Tech University

**Does Trade Contribute to Poverty Reduction? If it Does, Where Does the Benefit Go To?**

By Saera Oh, Korea Rural Economic Institute; Sang Hyeon Lee, Korea Rural Economic Institute



**Session 45: Selected Papers**  
**Teaching, Communication and Extension**  
**February 7, 2017 1:30 pm – 3:00 pm**  
**Mobile Convention Center 107B**

Session Chair: Mary Kamer, Western Kentucky University

**Examining the Use of Group Projects in Agribusiness Courses to Enrich Overall Student Learning**

By Rachna Tewari, University of Tennessee at Martin; Kishor Luitel, Angelo State University; Joseph Mehlhorn, University of Tennessee at Martin

**The Use of a Farm Simulation Game to Enhance Student Learning**

By Gregory Ibendahl, Kansas State University

**A Cost Benefit Analysis of Dual-Credit Agriculture Courses**

By Michelle Santiago, Murray State University; Brian Parr, Murray State University

**The Use of the “Guidelines” for Agriculture Producers and Its Effects on Profitability of Small and Medium Farms in Kentucky**

By Mary Kamer, Western Kentucky University; Jean Dominique Gumirakiza, Western Kentucky University

**Session 46: Selected Papers**  
**Valuation of Environmental Effects**  
**February 7, 2017 1:30 pm – 3:00 pm**  
**Mobile Convention Center 204B**

Session Chair: Tatiana Borisova, University of Florida

**Valuing Improved Wetland Quality and the Choice of the Status Quo Alternative: The Case of Macquarie Marshes**

By Weizhe Weng, Virginia Tech; Kevin Boyle, Virginia Tech; Peter Boxall, University of Alberta; Mark Morrison, Charles Sturt University

**The Impact of Highway Noise Barrier Walls on Housing Prices in the Neighborhoods**

By Gertrude Nakakeeto, Texas Tech University; Jaren Pope, Brigham Young University; Shaikh Rahman, Texas Tech University; Eric Asare, Texas Tech University

**Traveler Willingness to Pay for Hotel Indoor Air Quality: The Effect of Defaulting to the No-Choice Alternative in an Online Choice Experiment**

By Jerrod Penn, University of Kentucky; Wuyang Hu, University of Kentucky

**The Tide is Changing? Assessing Costs and Benefits of a Dam Removal Project in Florida**

By Tatiana Borisova, University of Florida; Xiang Bi, University of Florida; Alan Hodges, University of Florida

**Session 47: Selected Papers**  
**Energy; Economy and the Environment**  
**February 7, 2017 1:30 pm – 3:00 pm**  
**Mobile Convention Center Ballroom West**

Session Chair: Wojciech Florkowski, University of Georgia

**Estimating the Impact of Central Winter Heating on Air Quality in China**

By Meijuan Wang, Auburn University

**Mind the Gap: The Economic Problem as an Interplay of Desires, Matter, and Energy**

By Benjamin Leiva, University of Georgia

**Energy Consumption and Environmental Pollution: Evidence from the Spatial Panel Simultaneous-Equations Model of Developing Countries**

By Reza Hezareh, Ferdowsi University of Mashhad; Elham Darbandi, University of Kentucky; Jack Schieffer, University of Kentucky

**Food Waste in Rural Households**

By Wojciech Florkowski, University of Georgia; Anna Us, Higher School of Education; Anna Klepacka, Warsaw University of Life Sciences

**Session 48: Lightning Round**  
**Cattle Management**  
**February 7, 2017 1:30 pm – 3:00 pm**  
**Mobile Convention Center 204A**

Session Chair: Scott Fausti, California State University Monterey Bay

**Adoption of Beef Care Management Practices and Its Determinants: Analysis of the U.S. Grass-Fed Beef Industry**

By Isaac Sitienei, Texas State University; Jeffrey Gillespie, USDA ERS ; Guillermo Scaglia, Louisiana State University AgCenter

**Sex-sorted Semen: The Future of the Beef Cattle Industry?**

By Agnieszka Dobrowolska, University of Missouri; Scott Brown, University of Missouri; David Patterson, University of Missouri; Jordan Thomas, University of Missouri

**A Capital Investment Approach to Bred Heifer Valuation in an Expanding Cattle Market**

By Amanda Conley, University of Kentucky; Kenneth Burdine, University of Kentucky; Tyler Mark, University of Kentucky

**Long Term Winter Stocker Profitability**

By David Anderson, Texas A&M University; Monte Roquette, Texas A&M University; Justin Benavidez, Texas A&M University; Charles Martinez, Texas A&M University

**Grass-Fed Beef Enterprises Efficiency Analysis in the U.S.**

By Berdikul Qushim, Louisiana State University AgCenter; Basu Deb Bhandari, Louisiana State University; Jeffrey Gillespie, USDA ERS; Guillermo Scaglia, Louisiana State University AgCenter

**Fed Cattle Marketing: A Field Experiment**

By Matthew Janzen, Mississippi State University; Kalyn Coatney, Mississippi State University; Daniel Rivera, Mississippi State University; Ardian Harri, Mississippi State University; Darrell Busby, Iowa State University; Matt Groves, Iowa State University

**Economic Sustainability of South Dakota Feedlots: What are the Issues?**

By Scott Fausti, California State University Monterey Bay; Matthew Diersen, South Dakota State University

**Session 49: Organized Symposium  
Successful Extension Risk Management Outreach Programming  
February 7, 2017 1:30 pm – 3:00 pm  
Mobile Convention Center 106B**

**Using Emerging Technology to Reduce Risk in the Green Industry**

By Marco Palma, Texas A&M University

**A Risk Management Initiative of the Virginia Beginning Farmer and Rancher Coalition Program**

By Kim Niewolny, Virginia Tech University

**Developing Personal Risk Management Plans for Limited Resource and Socially Disadvantaged Producers in South Carolina**

By Laurence Crane, National Crop Insurance Services

**February 7, 2017 3:00 pm – 3:30 pm  
BREAK: Mobile Convention Center Prefunction Area**

**Session 50: Selected Papers  
Environmental Externalities from Agriculture  
February 7, 2017 3:30 pm – 5:00 pm  
Mobile Convention Center 107A**

Session Chair: Daniel Spencer, Mississippi State University

**Incorporating New Crops into Traditional Crop Rotations and the Environmental Implications**

By GwanSeon Kim, University of Kentucky; Tyler Mark, University of Kentucky; Steven Buck, University of Kentucky

**The Economic Value of Ecosystem Services from Delisting Impairments: A Case Study of Lake St. Joseph, Louisiana**

By Naveen Adusumilli, Louisiana State University AgCenter; Ernest Girouard, Louisiana State University AgCenter

**Heterogeneous Nitrogen Losses: Cost Effective Analysis of Changes in Management across South Dakota**

By Matthew Elliott, South Dakota State University; Archibold Quaye, South Dakota State University

**Property Rights and the Economics of Non-Point Source Water Regulations: An Empirical Analysis of Agricultural Production in the Mississippi Delta**

By Daniel Spencer, Mississippi State University; James Barnes, Mississippi State University; Kaly Coatney, Mississippi State University; Bryon Parman, Mississippi State University; Keith Coble, Mississippi State University

**Session 51: Lightning Round  
Water Management  
February 7, 2017 3:30 pm – 5:00 pm  
Mobile Convention Center Ballroom East**

Session Chair: Chris Wilhelms, Mississippi State University

**Transboundary Management of Groundwater Shared by Louisiana and Arkansas: The Case of Sparta Aquifer**

By Bijay Pokhrel, Louisiana State University

**Conjunctive On- and Off-farm Surface Water Investment on Crop Mix and Groundwater Use on an Agricultural Landscape**

By Alvaro Durand-Morat, University of Arkansas; Kent Kovacs, University of Arkansas

**Impact of Discount Rate and Price on Intertemporal Groundwater Models in Southwest Kansas**

By Logan Harkey, West Texas A&M University; Mallory Vestal, West Texas A&M University; Bridget Guerrero, West Texas A&M University; Bill Golden, Kansas State University

**Cost Effective Modeling Approach for Targeting the Location of Best Management Practices within a Rapidly Growing Urban Watershed to Achieve Regional Water Quality Targets**

By David Willis, Clemson University; Charles Privitte III, Clemson University

**Landholders' Choice to Adopt Improved Watershed Management: The Case of the Lower Blue Nile Basin, Ethiopia**

By Befikadu Legesse, North Carolina A&T State University; Osei Yeboah, North Carolina A&T State University

**Mitigating a Commons Dilemma: Agricultural Water Use in the Mississippi Delta**

By Chris Wilhelms, Mississippi State University; Kaly Coatney, Mississippi State University; Anita Chaudhry, California State University Chico; James Barnes, Mississippi State University

**Session 52: Selected Papers**  
**The Value of Water Resources and Irrigation**  
**February 7, 2017 3:30 pm – 5:00 pm**  
**Mobile Convention Center 105B**

Session Chair: Steven Buck, University of Kentucky

**The Economic Benefits of Irrigation Districts under Prior Appropriation Doctrine: An Econometric Analysis of Agricultural Land-allocation Decisions**

By James Ji, Virginia Tech; Kelly Cobourn, Virginia Tech

**Willingness to Pay for Irrigation Water in Louisiana**

By Tej Gautam, Louisiana State University; Kurt Guidry, Louisiana State University; Krishna Paudel, Louisiana State University

**Determinants of Irrigation Technology Adoption and Crop Productivity in the Nepalese Agricultural Sector**

By Tej Gautam, Louisiana State University; Krishna Paudel, Louisiana State University; Dependra Bhatta, Louisiana State University

**Valuing Water Supply Reliability**

By Steven Buck, University of Kentucky; Mehdi Nemati, University of Kentucky

**Session 53: Selected Papers**  
**Farm Household Economics**  
**February 7, 2017 3:30 pm – 5:00 pm**  
**Mobile Convention Center 201B**

Session Chair: Abbas Aboohamidi, Texas Tech University

**Farm Households Consumption Heterogeneity and Rural Business Dynamics**

By Madhav Regmi, Kansas State University; Allen Featherstone, Kansas State University

**Public Health Insurance and Labor Supply in Agriculture**

By Tianyuan Luo, University of Georgia

**Testing the Separability and Non-Separability of Rice Farm Households: A Case Study from Southern China**

By Fengbo Chen, South China Agricultural University; Krishna Paudel, Louisiana State University

**The Impact of the Financial Crisis on the Wealth of the Farm and Nonfarm Households in the United States**

By Abbas Aboohamidi, Texas Tech University; Darren Hudson, Texas Tech University

**Session 54: Selected Papers  
Land Markets and Land Values  
February 7, 2017 3:30 pm – 5:00 pm  
Mobile Convention Center 204B**

Session Chair: Justin Benavidez, Texas A&M University

**Examining the Relationships between Net Crop Returns, Cash Rents, and Land Values in Indiana**  
By Nathaniel Carson, Purdue University; Michael Langemeier, Purdue University

**Rural Land Transfer, Financial Impact and Land Collateral: Evidence from Nine Chinese Provinces**  
By Meishan Jiang, South China Agricultural University; Krishna Paudel, Louisiana State University

**Overvaluation of Marginal Farmland during Boom Cycles**  
By Bryon Parman, Mississippi State University

**Forecasting Rent Prices in a More Uncertain Future**  
By Justin Benavidez, Texas A&M University; Erin Hardin, Texas A&M University

**Session 55: Lightning Round  
Agricultural Finance and Farm Management  
February 7, 2017 3:30 pm – 5:00 pm  
Mobile Convention Center 204A**

Session Chair: Erin Hardin, Texas A&M University

**Analysis of Selected Financial Characteristics of Corn-Based Ethanol Enterprises in the United States**  
By Allan Bacho, Department of Agriculture, Philippines; Olga Murova, Texas Tech University

**Ability to Pay and Agriculture Sector Stability**  
By Erin Hardin, Texas A&M University; John Penson, Texas A&M University

**Determining the Optimal Decision to Store or Contract Sale Food-grade Corn, Field-grade Corn, and Soybeans**  
By Ben Martin, University of Kentucky; Tyler Mark, University of Kentucky

**A Quantile Regression Analysis Utilizing Expenditure Data from Kentucky Grain Farms**  
By Whitney Crume, University of Kentucky; Tyler Mark, University of Kentucky; Jordan Shockley, University of Kentucky; Carl Dillon, University of Kentucky; William Osborne, University of Kentucky

**Financial Inclusion, Land Management Right as Collateral, and Mission Drift: Evidence from China**  
By Meishan Jiang, South China Agricultural University; Krishna Paudel, Louisiana State University

**Grassland Easement Evaluation and Acquisition: An Integrated Framework**

By Ruiqing Miao, Auburn University; David Hennessy, Michigan State University; Hongli Feng, Michigan State University

**Session 56: Selected Papers**  
**Agribusiness Management**  
**February 7, 2017 3:30 pm – 5:00 pm**  
**Mobile Convention Center 107B**

Session Chair: Joy Das, Louisiana State University

**Flow of FDI in Softwood Lumber Industry from Canada to the USA: A Study of the Pine Beetle's Influence on Economic Decision-Making in the North American Forest Products**

By Joy Das, Louisiana State University

**H-2A Overhead Costs**

By Fritz Roka, University of Florida; Derek Farnsworth, University of Florida/IFAS; Skyler Simnitt, University of Florida

**Trade Credit Financing Activity among Agro-Food Firms in Africa: Incidence and Determinants**

By Stanley Dary, University of Missouri - Columbia

**Generational Shadow in Farming Business: How Does It Affect the Succession Process?**

By Youzhi Wang, Purdue University; Michael Delgado, Purdue University; Maria Marshall, Purdue University; Craig Dobbins, Purdue University

**Session 57: Selected Papers**  
**Business Economics**  
**February 7, 2017 3:30 pm – 5:00 pm**  
**Mobile Convention Center Ballroom West**

Session Chair: Cynthia N'dede, Auburn University

**Willingness to Train for Better Jobs among Employees in Alabama**

By Kilungu Nzaku, University of Alabama

**Adoption of Precision Agriculture Technology Bundles on Kansas Farms**

By Noah Miller, Kansas State University; Jason Bergtold, Kansas State University; Ignacio Ciampitti, Kansas State University; Ajay Sharda, Kansas State University; Terry Griffin, Kansas State University

**The Effect of Small Business Administration (SBA) Disaster Loans on Revenues and Customer Base of Small Businesses in Mississippi after Hurricane Katrina**

By Tomoko Hiramatsu, Purdue University; Maria Marshall, Purdue University

**Contributing to Economic and Social Development in Sub-Saharan Africa through Value-Added Agriculture**

By Cynthia N'dede, Auburn University; Norbert Wilson, Auburn University

**Session 58: Posters  
February 7, 2017 3:30 pm – 5:00 pm  
Mobile Convention Center 204B**

Posters will be on display Monday and Tuesday. Presenters will be available during this time for questions.

**Intrinsic Honesty and the Prevalence of Rule Violations in Northern Mozambique**

By Erin Farmer, University of Arkansas; Aaron Shew, University of Arkansas; Amy Farmer, University of Arkansas; Lawton Nalley, University of Arkansas; Rodolfo Nayga Jr., University of Arkansas; Arya Gaduh, University of Arkansas; Diana Danforth, University of Arkansas

**Impact of Climate Change on Food Security of Small Islands: The Case of Mauritius**

By Roshini Brizmohun, Auburn University

**Climate Change Mitigation Policy Impacts: A Case of the Regional Greenhouse Gas Initiative Program**

By Sung Ju Cho, Korea Rural Economic Institute; Bruce McCarl, Texas A&M University

**Analyzing Kentucky Farmers and Farm Attributes with their Farm Efficiency, Sustainability and Diversification**

By Swagata Banerjee, University of Wisconsin – Platteville; Buddhi Gyawali, Kentucky State University; Bijesh Mishra, Kentucky State University; Krishna Paudel, Louisiana State University; Neelam Poudyal, University of Tennessee - Knoxville

**Unintended Consequences of Reading Nutrition Labels**

By Fuad Alagsam, University of Kentucky; Jack Schieffer, University of Kentucky

**Investigating Homeowners' Preferences for Smart Irrigation Technology Features**

By Xumin Zhang, University of Florida; Hayk Khachatryan, University of Florida; Michael Dukes, University of Florida

**Price-Weight Relationships for Feeder Cattle: A Dairy Beef Assessment**

By Lee Schulz, Iowa State University; Brenda Boetel, University of Wisconsin-River Falls

**Labor Heterogeneity in Cocoa Production: Insights from Ghana**

By Francis Tsiboe, University of Arkansas; Bruce Dixon, University of Arkansas; Jeff Luckstead, University of Arkansas; Lawton Nalley, University of Arkansas

**Consumer Acceptance of Uses of Biotechnology**

By Lisa House, University of Florida; Joanna Karavolias, University of Florida

**Evaluating the Potential for Robotic Technology in California Table Grape Production**



By Dean McCorkle, Texas A&M University; Rebekka Dudensing, Texas A&M University; Edward Hellman, Texas A&M AgriLife Extension Service; Dan Hanselka, Texas A&M AgriLife Extension Service

### **Oil Price Shocks and Macroeconomic Instability in an Oil-dependent Economy**

By Ibtisam Al Abri, University of Florida; Gulcan Onel, University of Florida

### **Biofuel Substitution and Carbon Dioxide Emission: Implications for Biofuel Mandate**

By Dong Hee Suh, Korea University

### **Estimating Incentive Payments to Encourage the Adoption of Upland Bird Habitat Field Borders in Tennessee**

By Nathaniel Bruce, University of Tennessee; Christopher Boyer, University of Tennessee; Aaron Smith, University of Tennessee; Christopher Clark, University of Tennessee; Lori Duncan, University of Tennessee; Michael Buschermohle, University of Tennessee

### **Optimal Milk Production for Cows in Beef Cattle Production**

By Christopher Boyer, University of Tennessee; Sarah Edwards-Condra, University of Tennessee; Jeremy Hobbs, University of Tennessee; Travis Mulliniks, University of Tennessee; Andrew Griffith, University of Tennessee

### **Socio-Ecological Modelling and Prediction: Economic Impact of Climate Change on the Implementation of Best Management Practices in the Fort Cobb Watershed**

By Leon Hounnou, Oklahoma State University

### **Economic Viability of Utilization of Agricultural Waste for Bioenergy Production**

By Prabodh Illukpitiya, Tennessee State University; Ibukun Alegbeleye, Tennessee State University; Enefiok Ekanem, Tennessee State University; Fisseha Tegegne, Tennessee State University

### **Identifying and Assessing Financial and Legal Liabilities for Louisiana Agritourism Operators**

By Maria Bampasidou, Louisiana State University; Dora Ann Hatch, Louisiana State University AgCenter

### **Assessing Residents' Willingness to Pay for Greenways and Trails: Tallahassee, Florida Experience**

By Alfredo Lorenzo, Florida A&M University; Daniel Solis, Florida A&M University; Michael Thomas, Florida A&M University; James Muchovej, Florida A&M University

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By Wojciech Florkowski, University of Georgia; Mohammed Ibrahim, Fort Valley State University; Walter Moturi, University of Georgia; Shashidara Kolavalli, International Food Policy Research Institute

**Profitability of Beef Cattle Best Management Practices in South Texas: Improving Profitability with Genetically Superior Sires and Higher Breeding Ratios**

By Alan Young, Texas A&M University; Joe Paschal, Texas A&M AgriLife Extension; Steven Klose, Texas A&M University

**Analysis of Agricultural Risk Coverage and Price Loss Coverage Payments to and Distribution of Generic Base Acres in Mississippi**

By Lawrence Falconer, Mississippi State University Extension Service

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**Impact of Volatile Commodity Prices and Investment Costs on the Economic Feasibility of Subsurface Drip Irrigation**

By Bridget Guerrero, West Texas A&M University; Stephen Amosson, Texas A&M AgriLife Extension Service; Rachel Owens, West Texas A&M University; Lal Almas, West Texas A&M University; Thomas Marek, Texas A&M AgriLife Extension Service; Dana Porter, Texas A&M AgriLife Extension Service

**Revenue Impacts of Marketing Price Decision Timing within a State Soybean Research Verification Program**

By Charles Stark, University of Arkansas at Monticello; Chad Norton, University of Arkansas Division of Agriculture; Jeremy Ross, University of Arkansas Division of Agriculture; Paul Francis, University of Arkansas at Monticello; Chris Elkins, University of Arkansas Division of Agriculture

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**Is Industrial Hemp for Seed, Fiber, and Grain Cost Competitive?**

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**Impact of the Food safety Events on the U.S. Beef Export to the EU**

By Elham Darbandi, University of Kentucky; Sayed Saghaian, University of Kentucky

**Online Shoppers and their Levels of Awareness for Market Outlets for Local Fresh Produce**

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**Using Quantile Regression to Estimate Dairy Production Models**

By Jessica Richard, University of Kentucky; Tyler Mark, University of Kentucky

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February 7, 2017 5:00 – 7:00 pm  
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**February 7, 2017 6:00 – 8:00 pm**

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