

## Concurrent Sessions — Tuesday, 9:45 AM - 11:15 AM

### **2001 Major Factors That Will Impact the Role of Latin America in Meeting Future Food Demand**

*Regency, Second Level*

#### **Invited Paper and LAS and Senior Section Track Session**

The Latin American countries have been identified as key contributors to expanding food demand. This session is designed to explore the state of knowledge and present research results for key policy areas bearing on the contribution of the Latin American countries to satisfying expanding global food needs. The implications for regional policy adjustments and research needs in each area will be identified.

**Organizers:** Ronald Knutson, Texas A&M University; Marco Palma, Texas A&M University; Luis Ribera, Texas A&M University

**Moderator:** Ronald Knutson, Texas A&M University

Impacts of Latin American Domestic Policies on Food Production and Productivity.

**Joaquín Bento Ferreira**, *University of Sao Paulo*; **Luis Ribera**, *Texas A&M University*

Impacts of the Drug Trade on Latin American Food Productivity and Trade

**Marco Palma**, *Texas A&M University*; **Luis Ribera**, *Texas A&M University*; **David Bessler**, *Texas A&M University*; **Bruce Bagley**, *University of Miami*

Impacts of Regional Trade Agreements Including Trans-Pacific and Trans-Atlantic Partnerships on Latin American/Caribbean Agriculture

**Timothy Josling**, *Stanford University*; **Fumiko Yamazaki**, *California State University*; **John Wainio**, *USDA-Economic Research Service*; **Mechel Paggi**, *California State University*

### **2002 Childhood Food Insecurity in the United States**

*Lakeshore A, Main Level*

#### **FSN Track Session**

Food insecurity among children is a leading public health issue in the United States for two central reasons. First, the extent of the problem is enormous. In 2012, for example, 20.6% of children in America were in food insecure households (16.7 million children) (Coleman-Jensen et al., 2013). Moreover, almost half of these children experienced food insecurity themselves. The food insecurity rate in the United States is at an all-time high, and despite the end of the Great Recession, the number of food insecure children has not returned to 2007 levels. Second, there are many demonstrated negative health consequences associated with food insecurity.

**Organizer:** Craig Gundersen, University of Illinois at Urbana-Champaign

Children's Food Insecurity, Food Preparation Time, and the Effects of Food Environment

**Helen Jensen**, *Iowa State University*; **Olekandr Zhylyerskyi**, *Iowa State University*

Understanding the Relationship between the School Breakfast Program and Food Insecurity

**David Frisvold**, *Iowa State University*; **Jason Fletcher**, *Yale University*

Do Big Box Grocers Improve Food Security?

**Charles Courtemanche**, *Georgia State University*; **Art Camden**, *Samford University*; **Xilin Zhou**, *Georgia State University*

Food Insecurity and Health Outcomes among Multigenerational

**Craig Gundersen**, *University of Illinois at Urbana-Champaign*; **Jim Ziliak**, *University of Kentucky*



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### **2003 Three Case Studies on Innovative Risk Management Extension Programming**

*Mirage, Second Level*

#### **ARA and Extension Section Track Session**

Innovative approaches to risk management extension programming developed in Indiana, Kansas, and South Dakota will be presented. Topics include a portfolio approach to pasture insurance in South Dakota, risk management curriculum development for beginning farmers and ranchers in Kansas, and a new risk management initiative in Indiana to develop programming focused on examining the fundamental strategies to manage risk through diversification, scenario analysis, and framing strategic choices in turbulent times.

**Organizer:** Scott Fausti, South Dakota State University

**Moderator:** John Anderson, American Farm Bureau Federation

Multiple Programming Outlets for Rainfall Index Insurance

**Matthew Diersen**, *South Dakota State University*

Risk Management Training for Beginning Farmers and Ranchers

**Gregory Ibendahl**, *Kansas State University*

Using Case Studies to Illustrate Extension Risk Management Concepts

**Michael Langemeier**, *Purdue University*

### **2004 Markets and Payments for Ecosystem Services: Promise versus Practice**

*Greenway A, Second Level*

#### **ENV Section Track Session**

Markets and payments are increasingly proposed as a means to promote efficient provision of ecosystem services. While market-based approaches can help ameliorate market failures associated with many types of ecosystem services, the design and application of these approaches is not trivial. The challenge for economists is to provide practical guidance regarding how and when ecosystem service markets and payments can be used to address market failures and enhance social welfare. Papers in this ENV Section Track Session address the development, potential and performance of markets and payments for ecosystem services, discussing such issues as market design and incentives, adverse selection, testing in experimental markets, and valuation to inform market development.

**Organizer:** Robert Johnston, Clark University

**Moderator:** Robert Johnston, Clark University

New or Renew? Attracting Enrollees versus Enticing Renewals with Payments for Filter Strips

**Frank Lupi**, *Michigan State University*; **Michael Kaplowitz**, *Michigan State University*; **Felix Yeboah**, *Michigan State University*

Consumer Preferences for Ornamental Plants Grown with Water Conservation Practices

**Kevin Boyle**, *Virginia Polytechnic Institute and State University*; **David Hartter**, *EarthShift*; **James Pease**, *Virginia Polytechnic Institute and State University*; **Darrell Bosch**, *Virginia Polytechnic Institute and State University*; **Weibin Xu**, *Virginia Polytechnic Institute and State University*

Lab and Field Experiments to Develop Consumer Payments for Ecosystem Services

**Stephen Swallow**, *University of Connecticut*; **Pengfei Liu**, *University of Connecticut*; **Achyut Kafle**, *University of Rhode Island*

Simple or Complex? Ecosystem Market Design with Lagged Ecosystem Responses

**James Shortle**, *The Pennsylvania State University*; **David Abler**, *The Pennsylvania State University*; **Zachary Kaufman**, *The Pennsylvania State University*

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### **2005 Human Resources Insights from Leading Agribusiness**

*Greenway B, Second Level*

#### **AEM and SS-AAEA Section Track Session**

This track session symposium will consist of a panel of senior HR representatives from some of the largest and prominent employers in the agribusiness sector. Hearing their independent assessment of needs for entry-level or technical staff will provide us a gauge of where they believe we need to examine our educational programs. Each of the senior HR representatives will be asked to give a brief overview of what they are looking for in new employees as well as the skills that they feel are lacking among new graduates. Seeking responses from these executives through moderated Q&A, we hope to derive where we can develop greater value propositions for industry and our students. Michael Boland will serve as the moderator for this discussion. This session should appeal to a large number of meeting participants as well as help solidify our relationships with industry.

**Organizers:** Joshua Detre, Louisiana State University; Samuel Funk, United Soybean Board - SmithBucklin

**Moderator:** Michael Boland, University of Minnesota

**Presenters:** William Mujica, Land O'Lakes; Aaron Riippa, General Mills, Inc.; Matthew Stommes, Cargill

### **2006 Factors Affecting Global Poultry Trade**

*Greenway C, Second Level*

#### **COSBAE Section Track Session**

The purpose of this track session is to generate a platform where researchers can discuss key issues affecting poultry trade and to enhance their knowledge of regional trade agreements (RTAs) and their importance in expanding global poultry trade. Bilateral and multilateral trade agreements are important to expanding US poultry exports. The passage of US Free Trade Agreements with South Korea, Colombia, and Panama and the present negotiations of the Trans-Atlantic Trade and Investment Partnership (TTIP) and Trans-Pacific Partnership (TPP) could all potentially lead to an expansion of US poultry exports.

Poultry is the leading US meat product exported. From a global perspective, the US ranks number one and two in turkey and broiler exports. In 2012, US broiler and turkey meat exports totaled \$4.88 billion. A track session discussing factors affecting global poultry trade such as animal diseases, conflicting standards for processing, and policies related to domestic production and trade can be used to inform the industry, ERS, other USDA agencies, and its stakeholders on important research areas. This track session will be of value and interest to country embassy representatives from each of the major trading countries and other trade officials, international traders and wholesale distributors of poultry, market analysts, USDA policy and regulatory officials, other industry stakeholders such as financial companies, policy makers and key institutions that routinely make or influence public policy and program decisions, and the academic community. Academic and government researchers will provide both technical and qualitative analysis that will address specific research questions related to: (a) bilateral and multilateral trade agreements; (b) Newcastle's disease, avian influenza, and sanitary restrictions; (c) demand growth in emerging markets and developing countries; (d) welfare implications of laying hen housing; (e) feed efficiency and/or disease resistant (productivity); (f) global price volatility; and (g) other issues affecting global poultry trade. Studies presented in this track session will be submitted and considered for publication in a special issue with the International Food and Agribusiness Management Review (IFAMR).

**Organizer:** Christopher Davis, USDA-Economic Research Service

**Discussant:** Deacue Fields, III, Auburn University

South Africa Meats and Poultry Imports

**Fawzi Taha**, USDA-Economic Research Service; **William Hahn**, USDA-Economic Research Service

Shocks to a Trading System: Korean and Japanese Poultry Trade and Avian Influenza

**Christopher Davis**, USDA-Economic Research Service; **John Dyck**, USDA-Economic Research Service

Effects of Relative Price and Exchange Rate Volatility on Chicken and Pork Exports

**David Harvey**, USDA-Economic Research Service; **Sung No**, Southern University A&M; **Christopher Davis**, USDA-Economic Research Service

What's Driving Broiler Farm Profitability in the US: Implications for Trade?

**Richard Nehring**, USDA-Economic Research Service; **Jeffrey Gillespie**, Louisiana State University; **Ani Katchova**, University of Kentucky; **Charles Hallahan**, USDA-Economic Research Service; **James Michael Harris**, USDA-Economic Research Service; **Kenneth Erickson**, USDA-Economic Research Service

## Concurrent Sessions — Tuesday, 9:45 AM - 11:15 AM

### **2007 Life-Long Learning through Disruptive Innovation in Agricultural and Applied Economics**

*Northstar A, Second Level*

#### **Organized Symposium**

Life-long learning is a prominent mission of the land-grant system. Continuing contributions to this mission by agricultural and applied economics will require disruptive innovative approaches. Discussions will focus on the factors for encouraging innovation and lessons learned from successful program development.

**Organizer:** A. Gene Nelson, Texas A&M University

**Moderator:** Michael Boehlje, Purdue University

**Panelists:** Allan Gray, Purdue University; Danny Klinefelter, Texas A&M University; Bruce Weber, Oregon State University

Life-Long Learning through Disruptive Innovation

*Michael Boehlje, Purdue University; Dave King, Oregon State University*

### **2008 Local Food Systems as a Catalyst for Innovation**

*Northstar B, Second Level*

#### **Organized Symposium**

One of the many aspects of local food systems that are attractive to rural and community development professionals is how it may allow for more grassroots innovation and opportunities for nascent entrepreneurs. This session's speakers and discussion will focus on specific examples of entrepreneurs who are catalysts in local food systems.

**Organizers:** Maria Marshall, Purdue University; Dawn Thilmany McFadden, Colorado State University

**Moderator:** Maria Marshall, Purdue University

**Discussant:** Martha Sullins, Colorado State University

**Panelists:** Becca Jablonski, Cornell University; Dawn Thilmany McFadden, Colorado State University; Michael Wilcox, Jr., Purdue University; Norbert Wilson, Auburn University

### **2009 Long-run and Short-run Effects of Natural Disasters**

*Lakeshore C, Main Level*

#### **AERE Organized Symposium**

Climate change and other environmental concerns have heightened interest in reducing energy and water usage. This session examines the role of economic and regulatory tools to shape demand in these sectors.

The Economic Impact of Hurricane Katrina on Its Victims: Evidence from Individual Tax Returns

*Tatyana Deryugina, University of Illinois at Urbana-Champaign; Laura Kawano, US Department of the Treasury; Steven Levitt, University of Chicago*

Structural Estimation of an Equilibrium Model with Externalities: Program Evaluation of Post-Katrina Rebuilding Grants

*Jessee Gregory, University of Wisconsin; Fu Chao, University of Wisconsin*

Blown Away: The Effect of Federal Assistance on Individual Finances and Migration Decisions After a Natural Disaster

*Justin Gallagher, Case Western Reserve; Daniel Hartley, Federal Reserve Bank of Cleveland*

Long-term Human Capital Impacts of the Global Climate

*Jesse Anttila-Hughes, Columbia University; Marshall Burke, University of California, Berkeley*

## Concurrent Sessions — Tuesday, 9:45 AM - 11:15 AM

### 2010 Cooperatives and Local Markets

*Greenway D, Second Level*

#### Selected Paper Presentation

Organic markets, cooperatives, and local markets continue to grow in size and demand. This session looks at these agribusiness marketing strategies within the US and China.

**Moderator:** Michelle Santiago, Murray State University

Structural Changes in Farmer Cooperatives

**Chatura Ariyaratne**, *Kansas State University*; **Brian Briggeman**, *Kansas State University*; **Chuck Mickelsen**, *Kansas State University*

Clusters of Organic Operations and Their Impact on Regional Economic Growth in the United States

**Ioana Marasteanu**, *The Pennsylvania State University*; **Edward Jaenicke**, *The Pennsylvania State University*

Decision Making among Heterogeneous Members: A Study on Efficiency under Centralized Managerial Structure of Chinese Farmer Cooperatives

**Meilin Ma**, *University of California, Davis*; **Heng Zhu**, *University of California, Davis*

An Economic Analysis of "Local" Production: Is it Efficient or Inefficient?

**Eugene Jones**, *The Ohio State University*

### 2011 Farm Management

*Greenway E, Second Level*

#### Selected Paper Presentation

This session addresses several important topics in farm financial management.

**Moderator:** Steven Vickner, The Ohio State University

Is Farm Management Skill Persistent?

**Xin Li**, *University of Illinois at Urbana-Champaign*; **Nicholas Paulson**, *University of Illinois at Urbana-Champaign*

Are Two Heads Better than One Head in Managing the Farm?

**Loren Tauer**, *Cornell University*

Feeding Practices and Input Cost Performance in US Hog Operations: The Case of Split-Sex and Phase Feeding

**Lee Schulz**, *Iowa State University*; **Joleen Hadrich**, *Colorado State University*

Economic Feasibility of Anaerobic Digesters on Swine Operations

**Cortney Cowley**, *Oklahoma State University*; **B. Wade Brorsen**, *Oklahoma State University*; **Doug Hamilton**, *Oklahoma State University*

### 2012 Forecasting Methods and Evaluation

*Greenway F, Second Level*

#### Selected Paper Presentation

Forecasting models are an important area of research for agricultural economists. This session is devoted to research on forecast model development, forecast evaluation, and using forecasting performance as a method of model selection.

**Moderator:** TBD

USDA and Private Analysts' Forecasts of Ending Stocks: How Good Are They?

**Jinzhi Xiao**, *Iowa State University*; **Chad Hart**, *Iowa State University*; **Sergio Lence**, *Iowa State University*

Performance and Relevance of Wheat Futures Market in India – An Exploratory Analysis

**Sendbil Ramadas**, *Directorate of Wheat Research*

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### 2013 Food and Agricultural Marketing - Lightning Session

Greenway G, Second Level

#### Selected Paper Presentation Lightning Session

Join us for a new presentation format on this year's program...the lightning round. By including a higher number of papers, highlighting their key findings and conclusions, this session features a succinct look at current agricultural and food marketing issues.

**Moderator:** Julie Caswell, University of Massachusetts, Amherst

Store Choices of Rural Grocery Shoppers Using an Attribute Screening Model

**Hikaru Hanawa Peterson**, Kansas State University; **Jeffrey Peterson**, Kansas State University

The Divergence of Defining Local Food – Consumer Co-op versus Conventional Grocery Shoppers

**Shang-Ho Yang**, National Chung Hsing University; **Timothy Woods**, University of Kentucky

State and Retail Outlet Impact on Premiums for Locally Grown Berries

**Omer Hoke**, University of Connecticut; **Benjamin Campbell**, University of Connecticut; **Thao Hau**, University of Connecticut; **Mark Brand**, University of Connecticut

Home Meal Replacement Market Segmentation Based on Food Life Style

**Hyebin Jo**, Seoul National University; **Seoyoun Lee**, Seoul National University; **Young-Chan Choe**, Seoul National University; **Junghoon Moon**, Seoul National University; **Jaeseok Jeong**, Kyung Hee University

Can Nutrition and Health Information Increase Demand for Seafood among Parents? Evidence from a Choice Experiment

**Xiang Bi**, University of Florida; **Lisa House**, University of Florida; **Zhifeng Gao**, University of Florida

Beef or Chicken? A Study of the Generation-X and Millennial Consumers' Meat Choice, with an Emphasis on the Impacts of Social Media Outlets and Nutrition Information

**Kuo-Liang Chang**, South Dakota State University; **Lisa Elliott**, South Dakota State University; **Shannon Sand**, South Dakota State University; **Rocky Dailey**, South Dakota State University; **Sierra Blachford**, South Dakota State University

Market Valuation of Health Claims' Types and Strength: The Italian Yogurt Market

**Francesco Bimbo**, Wageningen University; **Alessandro Bonanno**, Wageningen University; **Rosaria VIscecchia**, Universita' di Foggia

Consumer Demand for Greek Yogurt in the United States and Its Implications to New York Dairy Industry

**Senarath Dharmasena**, Texas A&M University; **Abigail Okrent**, USDA-Economic Research Service; **Oral Capps, Jr.**, Texas A&M University

### 2014 SNAP and Food Security

Greenway H, Second Level

#### Selected Paper Presentation

SNAP food assistance programs and impacts on food security.

**Moderator:** Stacy Sneeringer, USDA-Economic Research Service

Does SNAP Improve Your Health?

**Christian Gregory**, USDA-Economic Research Service; **Partha Deb**, Hunter College

The Location and Timing of SNAP Purchases

**Katherine Baylis**, University of Illinois at Urbana-Champaign; **Linlin Fan**, University of Illinois at Urbana-Champaign; **Craig Gunder-sen**, University of Illinois at Urbana-Champaign; **James Ziliak**, University of Kentucky

The Effect of Supplemental Nutrition Assistance Program on Food and Nonfood Spending Among Low-Income Households

**Carlos Carpio**, Texas Tech University; **Tullaya Boonsaeng**, Texas Tech University; **Chen Zhen**, Research Triangle Institute; **Abigail Okrent**, USDA-Economic Research Service

Supplemental Nutrition Assistance Program and Food Insecurity Among Families with Children

**Jun Zhang**, University of Tennessee; **Steven Yen**, University of Tennessee; **Yanghoo Wang**, University of Tennessee

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### 2015 Risk Management

*Greenway I, Second Level*

#### Selected Paper Presentation

This session focuses on risk management issues, policies, and impacts.

**Moderator:** William Martin, The World Bank

Crop Insurance Use and Land Rental Agreements

*Todd Kuethe, University of Illinois; Nicholas Paulson, University of Illinois at Urbana-Champaign*

Producer Welfare Implications of the RMA's "Shrinkage" Crop Insurance Premium Estimator

*Octavio Ramirez, University of Georgia; Carlos Carpio, Texas Tech University; Alba Collart, Texas A&M University*

Substitutes versus Complements among Canadian Business Risk Management Programs

*Florentina Uzea; Kenneth Poon, University of Guelph; Alfons Weersink, University of Guelph*

Grain Subsidy, Liquidity Constraints and Food Security---Impact of the Grain Subsidy Program on the Grain Supply in China

*Fujin Yi, Nanjing Agricultural University, China*

### 2016 Food Price, Food Demand, and Food Preference

*Lakeshore B, Main Level*

#### Selected Paper Presentation

This session is about factors that influence food prices, food demand, and food preferences.

**Moderator:** Karen Lewis, Arizona State University

The Impact of Livestock Donation on Poverty and Food Security: Lessons from the Heifer Project, Zambia

*Kashi Kafle, University of Illinois at Urbana-Champaign; Alex Winter-Nelson, University of Illinois at Urbana-Champaign*

Targeting of Supplemental Nutrition Assistance Program Benefits: Evidence from the ACS and NY SNAP Administrative Records

*Erik Scherpf, USDA Economic Research Service; Constance Bradshaw Newman, USDA-Economic Research Service; Mark Prell, USDA-Economic Research Service*

Quantifying the Effects of Food Access and Prices on Food-at-home Demand

*Chen Zhen, Research Triangle Institute; Biing-Hwan Lin, USDA-Economic Research Service; Abigail Okrent, USDA-Economic Research Service*

### 2017 Migration, Labor, and Households

*Greenway J, Second Level*

#### Selected Paper Presentation

This session focuses on the effects of migration, including rural-urban migration, on both households and the labor force. Each paper examines the consequences of migration within a diverse set of countries, including China, the US and Europe.

**Moderator:** Jutta Roosen, Technische Universität München

Migration and Agricultural Efficiency

*Matthew Gorton, University of Newcastle; Sophia Davidova, University of Kent; Johannes Sauer, Technische Universität München*

The Impact of Spatial Flexibility on Unemployment Duration in Young College-educated Workers

*Kevin Camp, Purdue University; Brigitte Waldorf, Purdue University*

## Concurrent Sessions — Tuesday, 9:45 AM - 11:15 AM

### 2018 Consumer Behavior, Social Media, Advertising, and Private/National Brand Competition

*LaSalle, Second Level*

#### Selected Paper Presentation

Papers in this session empirically and theoretically analyze how prices, social media, advertising, and branding strategies are used by firms and affect consumer purchasing behavior.

**Moderator:** Alexander Saak, International Food Policy Research Institute

Hysteresis, Price Acceptance, and Reference Prices

**Timothy Richards**, Arizona State University; Miguel Gomery, Cornell University; Irena Iremolenko, Arizona State University

Social Media and Consumer Engagement in the Carbonated Soft Drinks Market

**Yizao Liu**, University of Connecticut

Competition between Private Labels and National Brands: A Simple Econometric Test and Application to Dairy Markets

**Jeffrey Young**, Purdue University; Joseph Balagtas, Purdue University; James Binkley, Purdue University; Richard Volpe, III, USDA-Economic Research Service

### 2019 Land Markets and Land Rights in Sub-Saharan Africa

*Skyway A, Second Level*

#### Selected Paper Presentation

Papers in this session focus on land markets in Sub-Saharan Africa, exploring the development of land markets and determinants of household participation in land markets in Zambia and Malawi, relationships between land access and food security in Kenya, land market integration in Zambia, and demand for and effects of increased land rights in Mozambique

**Moderator:** George Norton, Virginia Polytechnic Institute and State University

Rural Land Rental Markets in Southern Africa: Trends, Drivers, Determinants of Participation and Impacts on Household Welfare in Malawi and Zambia

**Jordan Chamberlin**, Michigan State University; Jacob Ricker-Gilbert, Purdue University

Land Access, Land Rental and Food Security: Evidence from Kenya

**Rie Muraoka**, Michigan State University; Songqing Jin, Michigan State University; Thomas Jayne, Michigan State University

Land Market Integration, Structural Change, and Smallholder Farming in Zambia

**Andrew Larson**, University of Minnesota

### 2020 Assessing the Returns to Technology and Aid in Development

*Skyway B, Second Level*

#### Selected Paper Presentation

Papers in this session address issues surrounding technology adoption and aid. The studies focus on topics surrounding human capital, technology, and the effectiveness of international aid.

**Moderator:** Jorge Aguero, University of Connecticut

Can Computers Increase Human Capital in Developing Countries? An Evaluation in Nepal's One Laptop per Child Program

**Uttam Sharma**, University of Sydney

Cost-effectiveness of Computer Assisted Personal Interviewing vs Paper-and-Pen Based Interviewing Methods for Data Collection

**Rohit Singla**, McGill University; Mywish Maredia, Michigan State University; Byron Reyes, Michigan State University; Anwar Naseem, McGill University

The Public Benefits of Private Technology Adoption

**Anil Bhargava**, University of Michigan

The Effectiveness of International Aid: A Generalized Propensity Score Approach

**Jing Liu**, Purdue University; Raymond Florax, Purdue University

## Concurrent Sessions — Tuesday, 9:45 AM - 11:15 AM

### 2021 Disease and Invasive Species

*St. Croix, Second Level*

#### Selected Paper Presentation

Studies in this session apply bioeconomic modeling to examine invasive species and disease management. The session explores issues related to multiple stable states, learning under uncertainty, spatial management, and climate adaptation.

**Moderator:** Jeremy Weber, USDA-Economic Research Service

Optimal Management of a Native Species Facing Invasion or Infection Risks Involving Multi-Stable Outcomes

**Richard Horan**, *Michigan State University*; **David Finnoff**, *University of Wyoming*; **Kevin Berry**, *University of Wyoming*; **Carson Reeling**, *Michigan State University*

Dynamic-Bayesian Disease Management under State Uncertainty: Learning and Bovine Tuberculosis Control in New Zealand Cattle

**Matthew MacLachlan**, *University of California, Davis*; **Michael Springborn**, *University of California, Davis*

Dynamic Optimization of Ecosystem Services: A Comparative Analysis of Non-Spatial and Spatially-Explicit Models

**Seong Do Yun**, *Purdue University*; **Ben Gramig**, *Purdue University*

The Bioeconomics of Climate Change Adaptation: Coffee Berry Borer and Shade-Grown Coffee

**Shady Atallah**, *Cornell University*; **Miguel Gomez**, *Cornell University*

### 2022 Analyzing Productivity Issues

*Lake Superior B, Fifth Level*

#### Selected Paper Presentation

This session contains papers that analyze productivity issues using spatial and bio-economic models.

**Moderator:** Sun Ling Wang, USDA-Economic Research Service

Spatiotemporal Analysis of Dairy Farm Productivity, Herd Size and Entry-Exit in the United States

**Heesun Jang**, *University of Wisconsin*; **Xiaodong Du**, *University of Wisconsin*

Bio-Economic Weather and Crop Productivity

**Jason Beddow**, *University of Minnesota*; **Philip Pardey**, *University of Minnesota*; **Terrance Hurley**, *University of Minnesota*

Mandates and the Incentives for Innovation

**Matthew Clancy**, *Iowa State University*; **GianCarlo Moschini**, *Iowa State University*

Technical Change, Efficiency and Total Factor Productivity Growth in US Agriculture

**Darlington Sabasi**, *Washington State University*; **C. Richard Shumway**, *Washington State University*

### 2023 Climate and Agriculture

*Minnehaha, Second Level*

#### Selected Paper Presentation

Papers in this session measure the impacts of climatic factors on decisions and productivity in agriculture.

**Moderator:** Bryon Parman, Mississippi State University

Dynamic Adjustment in US Agriculture under Climate Uncertainty

**Sansi Yang**, *Washington State University*

From Cold to Hot: A Preliminary Analysis of Climatic Effects on the Productivity of Wisconsin Dairy Farms

**Lingqiao Qi**, *University of Connecticut*; **Boris Bravo-Ureta**, *University of Connecticut*; **Victor Cabrera**, *University of Wisconsin*

Climatic Constraints of US Growing Seasons

**Ariel Ortiz-Bobea**, *Cornell University*

Weather Risk, Land Fragmentation, and Cropping Intensity: A Non-Stationary and Dynamic Panel Modeling Approach

**Aditya Khanal**, *Louisiana State University*; **Ashok Mishra**, *Louisiana State University*; **Madhusudan Bhattarai**, *ICRISAT*

## Concurrent Sessions — Tuesday, 9:45 AM - 11:15 AM

### **2024 Econometric Modeling of Price Dynamics**

*Lake Nokomis, Fourth Level*

#### **Selected Paper Presentation**

This session focuses on price dynamics using nonlinear and generalized econometric methods.

**Moderator:** Vardges Hovhannisyan, University of Minnesota

The ENSO Impact on World Wheat Market Dynamics: Smooth Transitions in Asymmetric Price Transmission

**David Ubilava**, *University of Sydney*

Mixed-Copula Based Extreme Dependence Analysis: A Case Study of Food and Energy Price Comovements

**Jieyuan Zhao**, *SAS Institute*; **Feng Qiu**, *University of Alberta*

Composite Qualitative Forecasting of Futures Prices: Using One Commodity to Help Forecast Another

**Anzhi Li**, *University of Georgia*; **Jeffrey Dorfman**, *University of Georgia*

### **2025 Wildlife and Fisheries Management: Mechanisms and Tradeoffs**

*Lake Calhoun, Fourth Level*

#### **Selected Paper Presentation**

This session on wildlife and fisheries management includes both theoretical and empirical studies. The design of policies matters, as does the spatial nature of landowner interactions.

**Moderator:** Jerome Dumortier, Indiana University-Purdue University Indianapolis

Individual vs. Collective Quotas in Fisheries Management: Efficiency and Distributional Impacts

**Rong Zhou**, *University of Connecticut*; **Kathleen Segerson**, *University of Connecticut*

Economic Implications of Winter-run Chinook Salmon Conservation through Water Management in the Southern Delta

**Haengku Yoon**, *University of California, Davis*

Spatial Interactions in Habitat Conservation: Evidence from Prairie Pothole Easements

**Chad Lawley**, *University of Manitoba*; **Wanhong Yang**, *University of Guelph*

Public Incentives for Conservation Easements on Private Land

**Jordan Suter**, *Colorado State University*; **Sahan Dissanayake**, *The Colby College*; **Lynne Lewis**, *Bates College*

### **2026 Agricultural Practices to Improve Water Quality: Space and Time Considerations**

*Lake Superior A, Fifth Level*

#### **Selected Paper Presentation**

Incorporating farmer heterogeneity, spatial characteristics and dynamic features of water quality issues can improve policy design. These four empirical papers develop our understanding of this complexity.

**Moderator:** Huan Li, State University of New York at Binghamton

On Optimal Placement of Best Management Practices in Agricultural Watersheds

**Lyubov Kurkalova**, *North Carolina A&T State University*

Assessing the Efficiency of Alternative Best Management Practices to Reduce Nonpoint Source Pollution in the Mississippi-Atchafalaya River Basin (MARB)

**Bijay Porpharell**, *Louisiana State University*; **Bryan Gottshall**, *Louisiana State University*; **Krishna Paudel**, *Louisiana State University*

Peer Effects and Farmer Heterogeneity in Tillage Choices

**Avishkek Konar**, *The Ohio State University*; **Brian Roe**, *The Ohio State University*; **Elena Irwin**, *The Ohio State University*

Agricultural Practice Adjustments to Policies Aiming to Mitigate Water Pollution

**Shanxia Sun**, *Purdue University*; **Michael Delgado**, *Purdue University*; **Juan Pablo Sesmero**, *Purdue University*

## Concurrent Sessions — Tuesday, 9:45 AM - 11:15 AM

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### 2027 Natural Disasters

*Lake Harriet, Fourth Level*

#### Selected Paper Presentation

Many communities are exposed to various forms of natural disasters. This session includes presentations that investigate how community development responds to the impact of natural disasters and the disaster aids that follow.

**Moderator:** Georgeanne Artz, Iowa State University

Economics Impacts of Natural Hazards on Per Capita Income in the United States

**Jianhong Mu**, Oregon State University

The Effectiveness of Post-Katrina Disaster Aid: The Influence of Long-Term Disaster Relief on Small Businesses in Mississippi

**Anna Leigh Josephson**, Purdue University; **Maria Marshall**, Purdue University

An Integrated Engineering-Economic Vulnerability Assessment Tool - An Assessment of Tsunami Impact on Coastal Communities

**Yong Chen**, Oregon State University; **Yunguang Chen**, Oregon State University; **Patrick Corcoran**, Oregon State University; **Daniel Cox**, Oregon State University; **Bruce Weber**, Oregon State University; **Dane Wiebe**, Oregon State University



## Concurrent Sessions — Tuesday, 1:00 PM - 2:30 PM

### 2028 Transforming Food Markets - Implications for Nutrition and Livelihoods in Developing Countries

*Regency, Second Level*

#### Invited Paper

This session aims to provide economic insight on the relationship between transforming food markets, household food security and diet and nutrition transition in three developing countries, India, Indonesia and Kenya. The presentations will discuss results from analyses of unique primary data on household food consumption patterns, diet quality and individual specific characteristics, including anthropometric measures from both adults and children. The participants will not only discuss the research methods and results, they will also provide insight and stimulate discussion among the audience on the implications of their findings from a policy and development investment standpoint.

**Organizers:** Ellen Goddard, University of Alberta; Wendy Umberger, University of Adelaide

**Moderator:** Nicholas Minot, International Food Policy Research Institute

**Discussant:** Laurian Unnevehr, International Food Policy Research Institute

Examining the Relationship between the use of Supermarkets and Over-nutrition in Indonesia

**Wendy Umberger**, University of Adelaide; Xiaobo He, University of Adelaide; Nicholas Minot, International Food Policy Research Institute; Hery Toiba, University of Adelaide

Nutrition Effects of the Supermarket Revolution on Urban Consumers and Smallholder Farmers in Kenya

**Matin Qaim**, Georg-August-Universität Göttingen; Camilla Andersson, Georg-August-Universität Göttingen; Christine Chege, Georg-August-Universität Göttingen; Simon Kimenju, Georg-August-Universität Göttingen; Stephan Klasen, Georg-August-Universität Göttingen; Ramona Rischke, Georg-August-Universität Göttingen

The Effects of Food Substitution on Nutrient Intakes in Three States in Southern India

**Ellen Goddard**, University of Alberta; Anna Farmer, University of Alberta; Abubacker Siddick Mohamed, MSSRF, India; Chaudhury Shripati Mishra, MSSRF, India; Girigan Gopi, MSSRF, India; Arunraj Ramdas, MSSRF, India; N Kalaiselvan, MSSRF, India; Parabhakaran Tenkasi Raghu, MSSRF, India

### 2029 Overcoming Barriers to Entry: Factors Affecting New Venture Success in the Agri-Food Sector

*Greenway G, Second Level*

#### AEM and AFM Section Track Session

New entrants in the agri-food system are faced with many significant challenges that, more often than not, result in their failure within the first five years of operation. This failure rate can be magnified when the entrepreneurs leading those initiatives do not themselves have a previously well-established track record or when the new initiative is implemented in a developing country. This session will examine how various challenges (e.g. credit constraints, healthcare regulations, developing country institutions) affect the decision-making and success of new entrants in the agri-food sector. Presentations in this session highlight important policy and management practices to stimulate entrepreneurial activity and enhance new venture performance.

**Organizer:** Robert Brent Ross, Michigan State University

**Moderator:** Robert Brent Ross, Michigan State University

How Do Credit Constraints Affect New Entrants into the Farm Sector?

**Kevin Patrick**, USDA-Economic Research Service; Jennifer Ifft, USDA-Economic Research Service

Healthcare Insurance Coverage and Labor Allocation Decisions by Young and Beginning Farmers

**Jeremy D'Antoni**, USDA-Economic Research Service; Ashok Mishra, Louisiana State University

Commodity Exchanges in Developing Countries: A Blessing in Disguise? Evidence from the Ethiopian Coffee Sector

**Andres Trujillo-Barrera**, Wageningen University; Aderajew Tamirat, Wageningen University; Paul Ingenbleek, Wageningen University; Joost Pennings, Maastricht University

## Concurrent Sessions — Tuesday, 1:00 PM - 2:30 PM

### **2030 Farm Program and Insurance Choices: A Real Time Risk Decision Aid**

*Mirage, Second Level*

#### **ARA and Extension Section Track Session**

The 2014 Farm Bill integrated farm program options with crop insurance. Farmers will be facing hundreds of option combinations in signing up for the 2014 farm program and crop/revenue insurance. Jointly choosing the best farm program and insurance option in a risky environment will no doubt be more difficult. A risk based decision aid to help farmers compare and evaluate alternative insurance and farm program participation decisions has been developed by the Texas A&M Agricultural and Food Policy Center and is available on the web.

The decision aid simulates the hundreds of combinations of farm program options and crop/revenue insurance for farms in all 50 states and all program crops. The decision aid uses Monte Carlo techniques to simulate individual unit yields based on the user's own data, county yields, and futures prices for a crop. The decision aid then produces a probability distribution for net revenue for each of the hundreds of possible election combinations, and presents the user with the utility-maximizing combination. The user is also presented with a friendly interface for exploring the other available combinations, and comparing them with the optimal combination. The aid additionally simulates various future price scenarios for years beyond 2014 to aid producers in making their one-time choice between the new Price Loss Coverage (PLC) and Agricultural Revenue Coverage (ARC) government programs. Insurance products incorporated into analyses are yield protection, revenue protection, revenue protection with harvest price exclusion, Supplemental Coverage Option (SCO), and the Stacked Income Protection Plan (STAX).

**Organizer:** James Richardson, Texas A&M University

Challenges in Developing Risk Based Decision Aids

**Henry Bryant**, Texas A&M University

Educational Programs for Farmers, Lenders, and Other Professionals

**Joe Outlaw**, Texas A&M University

Methods to Generate Stochastic Results for Risky Alternatives

**Keith Coble**, Mississippi State University

Decision Aid Effectiveness

**Jody Campiche**, Oklahoma State University

### **2031 How to Apply for a Career or Graduate School**

*Minnehaha, Second Level*

#### **GSS Section Track Session**

Being a student is a finite experience. At some point, a student selects a next step with limited knowledge and additional information can minimize the search cost of a choice. This track session brings together three different experienced academics to discuss different career paths. Topics will include tips on applying for graduate school, tips for entering the industry job market, and tips for entering the academic job market.

**Organizer:** Donald Malone, III, Oklahoma State University

**Moderator:** Donald Malone, III, Oklahoma State University

Tips on Applying for Graduate School

**Glynn Tonsor**, Kansas State University

Tips for Entering the Industry Job Market

**Allan Gray**, Purdue University

Tips for Entering the Academic Job Market

**Kenneth Foster**, Purdue University

## Concurrent Sessions — Tuesday, 1:00 PM - 2:30 PM

### **2032 Income Inequality in the United States: Measures, Causes, Effects, and Possible Remedies**

*Lakeshore C, Main Level*

#### **CRENET and Senior Section Track Session**

Income inequality has grown markedly in the United States during recent decades. Inequality was high in the 1920s and 1930s, fell to very low levels after World War II, and has increased from the 1980s onwards, accelerating in the 2000s. The US ranks near the bottom among the rich nations not only in measures of overall income inequality but also in measures of economic mobility. Speakers in this session will examine the growth, persistence, and causes of inequality and evaluate programs to reduce its effects.

**Organizer:** Richard Heifner, USDA-Economic Research Service (retired)

**Moderator:** Alexander Marre, USDA-Economic Research Service

**Discussant:** Bruce Weber, Oregon State University

American Inequality: High and Rising

**Jay Coggins**, *University of Minnesota*

Globalization and the Great U-Turn, 1970-2012: Rural Restructuring, Income Polarization, and Place

**David Peters**, *Iowa State University*

Evaluating Distributional Aspects of Governmental Policies

**Ximing Wu**, *Texas A&M University*

### **2033 The Impact of the Food Safety Modernization Act on the US Produce Industry: Domestic Production and Latin American Imports**

*Greenway A, Second Level*

#### **FSN and LAS Section Track Session**

The Food Safety Modernization Act (FSMA) is a major new law that will transform the food safety landscape of the US produce industry and those who export to the United States. Produce imports are an important component of the US supply and Latin America is the largest source of imports. Major foodborne outbreaks have linked to both domestic and imported produce. Looking at the impact of FSMA requires an integrated look at how all suppliers to the US market, domestic and foreign, will adjust to the new food safety environment.

**Organizers:** Linda Calvin, USDA-Economic Research Service; Marco Palma, Texas A&M University; Luis Ribera, Texas A&M University

**Moderator:** Marco Palma, Texas A&M University

**Discussant:** Andrew Estrin, US Food and Drug Administration

FSMA and the Integrated Produce Industry

**Linda Calvin**, *USDA-Economic Research Service*; **Suzanne Thornsbury**, *USDA-Economic Research Service*

U.S. Produce Industry Costs of Adopting FSMA Standards

**Mechel Paggi**, *California State University*; **Luis Ribera**, *Texas A&M University*

Latin American Produce Exporters' Perspectives on Challenge of FSMA

**Lloyd Day**, *Interamerican Institute of Cooperation for Agriculture*; **Robert Ahern**, *Interamerican Institute of Cooperation for Agriculture*

## Concurrent Sessions — Tuesday, 1:00 PM - 2:30 PM

### **2034 Towards a More Effective Global Architecture for Food and Agriculture**

*Greenway B, Second Level*

#### **International Section Track Session**

Since the food price rise in 2007 and the financial crisis of 2008, the international development community has focused on the challenges of growing income inequality and continuing poverty and hunger. The study discussed in this session grew out of a meeting convened at the Bill and Melinda Gates Foundation in October 2010, just prior to the World Food Prize meetings, to explore how the challenges and opportunities of the current state of the global food and agriculture system could be addressed by identifying the core needs for international coordination and management of food and agriculture systems, and how best the coordination and management of the global food and agriculture system could be structured. Since then, the UN Secretary General's High Level Panel has called for eradicating extreme poverty by 2030 and achieving shared prosperity, an objective which the international community, led by the World Bank, has embraced.

The study has sections on the five major international organizations founded since World War II and concerned with food and agriculture - FAO, World Bank, the World Food Program, the Consultative Group on International Agricultural Research and the International Fund for Agricultural Development, with additional sections on related issues, such as the growth of trust funds and the activities of the Global Forum on Agricultural Research and the Global Fund for Agriculture and Food Security Program (GAFSP) established in response to the 2007 food price rise. By looking at the factors leading to the establishment, evolution and performance of these organizations in the context of a highly changed external environment, the study explores whether their current operating models enable them to help developing countries achieve the objective set out by the UN Secretary General's High Level Panel to their full potential and if it would be sufficient to help developing countries meet the 2030 goal of eradicating poverty and hunger. The study has been supported by the Bill and Melinda Gates Foundation and the results will be published and disseminated further. Each of the panelists listed below will critique a section of the study and participate in a panel discussion on the implications of the findings for global architecture going forward.

**Organizer:** Uma Lele, Independent Scholar

**Moderator:** Alexander McCalla, University of California, Davis

**Panelists:** Shenggen Fan, International Food Policy Research Institute; Hafez Ghanem, Brookings Institution; Mumukshu Patel, Econet Wireless and AGRA; Juergen Voegelé, The World Bank; Jonathan Wadsworth, CGIAR Fund

*Towards a More Effective Global Architecture for Food and Agriculture*

*Uma Lele, Independent Scholar*

### **2035 Identifying Standards and Assessing Performance for Undergraduate Programs in Agricultural Business**

*Greenway C, Second Level*

#### **NAAEA and TLC Section Track Session**

A suite of three papers addresses the practicalities of different facets of assessing quality and performance of undergraduate education in agricultural business. Papers will separately address the development of discipline-wide learning outcome standards, methods of assessing student achievement against a set of standards, and the efficacy of integrative capstone experiences from a post-graduation perspective. The session will conclude with a discussion of administrative challenges across the spectrum of topics presented.

**Organizer:** W. Marshall Frasier, Colorado State University

**Discussant:** Penelope Diebel, Oregon State University

*Learning Outcome Standards for Undergraduate Programs in Agricultural Business*

*W. Marshall Frasier, Colorado State University; Hikaru Hanawa Peterson, Kansas State University*

*Assessment of Program-Level Student Outcomes for Undergraduates in Agricultural Business and Economics*

*Gregory Perry, Colorado State University; W. Marshall Frasier, Colorado State University*

*The Benefits of Undergraduate Capstone Experiences - Alumni Perspectives*

*Leah Mathews, University of North Carolina, Asheville; Lynn Hamilton, California Polytechnic State University*

## Concurrent Sessions — Tuesday, 1:00 PM - 2:30 PM

### **2036 Powerful Circumstances for Successful Career Moves**

*Northstar A, Second Level*

#### **Organized Symposium**

You've worked hard to earn your degree, gain practical experience, and achieve understanding. Now it's time to land the job of your dreams. Whether you're looking for your first academic job or ready for a career move within your university or other organization, this symposium will help you be prepared when opportunities arise. As economists, you know your chances for success can be forecasted. We'll help you put the right variables into your equation and create your own set of powerful circumstances.

"Success is not a random act. It arises out of a predictable and powerful set of circumstances and opportunities." ? Malcolm Gladwell, "Outliers: The Story of Success"

**Organizer:** Kynda Curtis, Utah State University

**Moderator:** Madeline Schultz, Iowa State University

**Panelists:** Craig Gundersen, University of Illinois at Urbana-Champaign; Chad Hart, Iowa State University; Mary Marchant, Virginia Polytechnic Institute and State University; C. Parr Rosson, III, Texas A&M University

### **2037 Expanding the US Organic Sector—Will Recent USDA Initiatives Help?**

*Northstar B, Second Level*

#### **Organized Symposium**

Organic food demand has long outpaced production, and USDA set a goal in 2010 to expand certified organic operations by 25 percent by 2015. However, growth has stalled in many parts of the domestic organic sector. Challenges include transition expenses and conventional commodity price spikes, as well as limited organic research, marketing information, and farm program access. In this session, panelists will examine challenges in organic transition and the implementation of new USDA organic initiatives, and discuss their usefulness with the audience.

**Organizers:** William Chambers, USDA-Farm Service Agency; Catherine Greene, USDA-Economic Research Service

**Panelists:** William Chambers, USDA-Farm Service Agency; Timothy Delbridge, University of Minnesota; Catherine Greene, USDA-Economic Research Service; Robert King, University of Minnesota; Mark Rose, USDA-Natural Resource Conservation Service

Changes in Commodity-Sector Adoption of Organic Farming Systems

**Catherine Greene**, *USDA-Economic Research Service*

Challenges in Transitioning to Organic Production

**Robert King**, *University of Minnesota*; **Timothy Delbridge**, *University of Minnesota*

USDA Initiatives to Enhance the Adoption of Organic Systems

**Catherine Greene**, *USDA-Economic Research Service*; **William Chambers**, *USDA-Farm Service Agency*

Organic Transition Support Options under USDA's EQIP Program

**Mark Rose**, *USDA-Natural Resource Conservation Service*

### **2039 International Agribusiness Economics and Management**

*Greenway D, Second Level*

#### **Selected Paper Presentation**

International agribusiness provides useful insight on growing economies and how that may apply to the U.S. This section discusses market power and excellence auctions within the coffee sector, agglomeration in China, and horticulture farmers in Ghana.

**Moderator:** Wuyang Hu, University of Kentucky

When Higher Quality Does Not Translate to Higher Prices: A Case of Quality and Specialty Coffees from the Cup of Excellence Auctions

**Norbert Wilson**, *Auburn University*

The Presence of Market Power in High Quality Coffee Market: The Case of Colombian Milds

**Xile Li**, *University of Kentucky*; **Sayed Saghaian**, *University of Kentucky*

Responsiveness of Spatial Price Volatility to Increased Government Participation in Maize Grain and Maize Meal Marketing in Zambia

**Taiwo Mafimisebi**, *Mulungushi University*

## Concurrent Sessions — Tuesday, 1:00 PM - 2:30 PM

### 2040 Social Influences on Behavior

*Greenway E, Second Level*

#### Selected Paper Presentation

Papers in this session indicate the importance of social influence on behavior. Peers, word of mouth, and those living nearby are all examined and suggested to significantly influence consumer behavior. Specifically, papers in this session provide details of how these social environments can sometimes move—sometimes imperceptibly—our health, use of resources, and willingness to pay.

**Moderator:** Lisa Mancino, USDA-Economic Research Service

Factors Influencing Homeowner Preference and Willingness-to-Pay for Lawn Fertilizers: Evidence from a Nationwide Residential Lawn Care Practices Survey in the US

**Hayk Khachatryan**, *University of Florida*; **Guzhen Zhou**, *University of Florida*

The Perils of Peer Punishment: Evidence from a Common Pool Resource Framed Field Experiment

**Gioia De Melo**, *Bank of Mexico*; **Mattias Piaggio**, *Universidad de la República del Uruguay*

Peers' Effect on Obesity among Elementary Students

**Jebaraj Asirvatham**, *University of Arkansas, Fayetteville*; **Rodolfo Nayga**, *University of Arkansas*; **Michael Thomsen**, *University of Arkansas*; **Heather Rouse**, *University of Arkansas*

### 2041 Determinants of Food and Energy Prices

*Greenway F, Second Level*

#### Selected Paper Presentation

Understanding factors affecting commodity and energy prices is important from both research and policy perspectives. The four papers use various econometric techniques and data to explore changes in US and global food and energy prices.

**Moderator:** Shiyu Ye, University of Georgia

Electricity Market Price Volatility: The Importance of Ramping Costs

**Dan Werner**, *University of Maryland*

Factors Affecting Preconditioned Calf Price Differentials: How much do Market and Sale Conditions Matter?

**Lee Schulz**, *Iowa State University*; **Kevin Dhuyvetter**, *Kansas State University*; **Beth Doran**, *Iowa State University*

Event Study of Energy Price Volatility: An Application of Distributional Event Response Model

**Shiyu Ye**, *University of Georgia*; **Berna Karali**, *University of Georgia*; **Octavio Ramirez**, *University of Georgia*

How Strong Do Global Commodity Prices Influence Domestic Food Prices? A Global Price Transmission Analysis

**Matthias Kalkuhl**, *Center for Development Research*

### 2042 Design of Economic Experiments and Auctions

*Lakeshore B, Main Level*

#### Selected Paper Presentation

This session addresses topics related to the design of economic experiments and auctions. Topics cover the motivation to join economic experiments, personality and procedural invariance, the revelation of previous bid, and social desirability bias.

**Moderator:** Matthew Rousu, Susquehanna University

What Motivates Individuals to Participate in Economic Experiments? A Latent Class Analysis with Unobserved Heterogeneity

**Alba Collart**, *Texas A&M University*; **Marco Palma**, *Texas A&M University*

Personality and Procedural Invariance: Effects on Bidding Behavior Across Induced Value Experimental Auction Mechanisms

**Hillary Sackett**, *Westfield State University*; **Robert Shupp**, *Michigan State University*

How Does the Revelation of Previous Bid Affect New Bid?

**Yingzi Li**, *Washington State University*; **Karina Gallardo**, *Washington State University*; **Vicki McCracken**, *Washington State University*; **Chengyan Yue**, *University of Minnesota*; **James Luby**, *University of Minnesota*; **James R. McFerson**, *Washington Tree Fruit Res Commission*

## Concurrent Sessions — Tuesday, 1:00 PM - 2:30 PM

### 2043 Input Subsidies and Effects

*Greenway H, Second Level*

#### Selected Paper Presentation

This session discusses economic analysis and effects of input subsidy programs.

**Moderator:** Larry Janssen, South Dakota State University

Do Input Subsidies Crowd in or Crowd out other Soil Fertility Management Practices? Evidence from Zambia

**Kendra Levine**, *Michigan State University*; **Nicole Mason**, *Michigan State University*

Price Support Program and Technical Efficiency of Thai Jasmine Rice Farmers

**Uchook Duangbootsee**, *Michigan State University*

Do Input Subsidies Reduce Food Insecurity and Poverty among Smallholder Farm Households? Evidence from Zambia

**Nicole Mason**, *Michigan State University*; **Solomon Tembo**, *Indaba Agricultural Policy Research Institute*

The Economywide Impacts and Risks of Malawi's Farm Input Subsidy Program

**Channing Arndt**, *University of Copenhagen*; **Karl Pauw**, *International Food Policy Research Institute*; **James Thurlow**, *International Food Policy Research Institute*

### 2044 Health and Welfare in African Agriculture

*Greenway I, Second Level*

#### Selected Paper Presentation

This session includes presentations analyzing child nutrition, food price policies, and nutrient intakes in African Countries.

**Moderator:** Mary Muth, RTI International

Impact of Household Crop Diversification and Agricultural Commercialization on Child Nutrition in Zambia

**Rhoda Mukuka**, *Indaba Agricultural Policy Research Institute*; **Christian Kuhlitz**, *Thünen-Institut für Marktanalyse*

Convergence in Nutrient Intakes and Nutrition-Income Elasticities in sub-Saharan African: Implications on Health and Welfare

**Kolawole Ogundari**, *Kyushu University Fukuoka Japan*

Welfare Effects of Policy-induced Rising Food Prices on Farm Households in Nigeria

**Adebayo Shittu**, *Federal University of Agriculture*; **Oluwakemi Obayelu**, *University of Ibadan*; **Kabir Salman**, *University of Ibadan*

Exploring Food Commodity Price Risk Preferences among Tanzanian Households

**Linden McBride**, *Cornell University*

### 2045 The Changes in Maternal Household and Social Roles and Children's Health Outcomes

*Greenway J, Second Level*

#### Selected Paper Presentation

The evolution of maternal bargaining power in households and society is a natural by-products of economy development. The potential spill-over effect onto children's health outcome is of high policy and public health relevance. This session includes three papers on empirical investigation of this societal changes in China and one theoretical-based study on intra-household bargaining power modeling.

**Moderator:** Ting Meng, University of Georgia

Urbanization, Nutrition Transition, and Obesity: Evidence from China

**Song Zhou**, *Texas A&M University*; **Titus Awokuse**, *University of Delaware*

Is Maternal Employment Related to Childhood Obesity in China? Evidence from the China Health and Nutrition Survey

**Ruizhi Xie**, *University of Delaware*; **Titus Awokuse**, *University of Delaware*

Yours is Mine, Mine is Mine No Matter Whether You Know About It Or Not: Measuring Women's Intra-household Monetary Bargaining Power Using a Theoretically Based Field Experiment

**Wenbo Zou**, *University of California, Davis*

## Concurrent Sessions — Tuesday, 1:00 PM - 2:30 PM

### 2046 Causes and Consequences of Childhood Well-being: Evidence from Colombia and Sub-Saharan Africa

*Skyway A, Second Level*

#### Selected Paper Presentation

The papers in this session focus on childhood well-being. Papers examine the household determinants of childhood well-being in Ghana and Tanzania, examine the consequences of childhood circumstances on adult outcomes in Colombia, and estimate the effects of improved maize adoption on childhood nutrition in Ethiopia.

**Moderator:** Eugenie Maiga, African Center for Economic Transformation

Agricultural Technology Adoption and Child Nutrition: Improved Maize Varieties in Rural Ethiopia

**Di Zeng**, Virginia Polytechnic Institute and State University; **Jeffrey Alwang**, Virginia Polytechnic Institute and State University; **George Norton**, Virginia Polytechnic Institute and State University; **Bekele Shiferaw**, CIMMYT; **Moti Jaleta**, CIMMYT, Addis Ababa; **Chilot Yirga**, Ethiopian Institute of Agricultural Research

The Relationship between Childhood Circumstances and Adult Health Disparities: Evidence from Colombia

**Johanna Fajardo-Gonzalez**, University of Minnesota

Determinants of Child Malnutrition in Tanzania: A Quantile Regression Approach

**Sakiko Shiratori**, JICA Research Institute

Children First: Understanding Children's Well-being in Northern Ghana

**Yacob Zereyesus**, Kansas State University; **Aleksan Shanoyan**, Kansas State University; **Kara Ross**, Kansas State University; **Vincent Amador-Boadu**, Kansas State University

### 2047 Broad Topics Analyzed from a Gender Perspective

*Skyway B, Second Level*

#### Selected Paper Presentation

Papers in this session focus on gender issues in Africa and Latin America. Topics such as land security and markets are analyzed from a gender perspective.

**Moderator:** Anil Bhargava, University of Michigan

Daycare, Durables, and Imperfect Credit Markets: Evidence from Rio de Janeiro

**Maira Reimao**, University of California, Davis

The Sustainable Choice: How Gendered Difference in the Importance of Ecological Benefits Affect Production Decisions of Smallholder Cacao Producing Households in Ecuador

**Trent Blare**, University of Florida; **Pilar Useche**, University of Florida; **Kelly Grogan**, University of Florida

Are There Gender Differences in the Perceived Impact of Land Security?: Evidence from Urban Lesotho

**Rie Muraoka**, Michigan State University; **Mywish Maredia**, Michigan State University; **Songqing Jin**, Michigan State University

### 2048 Extreme Event Risk: Flood and Wildfire

*St. Croix, Second Level*

#### Selected Paper Presentation

This session explores issues related to risk from extreme events, including floods and wildfire. Topics include flood risk management in agriculture, housing price response to flood risk, property damage from flooding, and willingness to pay for reduced wildfire risk.

**Moderator:** Marzieh Motallebi, Colorado State University

Climate Risk Management Strategies in Agriculture – The Case of Flood Risk

**Robert Finger**, Wageningen University; **Johannes Sauer**, Technische Universität München

Housing Price Response to Varying Flood Risk Return Periods in Galveston County, Texas

**Ajita Atreya**, University of Pennsylvania; **Jeffrey Czajkowski**, University of Pennsylvania

Property Damage from Flooding: Sensitivities to Climate Change and Economic Growth

**Jing Liu**, Purdue University; **Thomas Hertel**, Purdue University; **Michael Delgado**, Purdue University; **Moetasim Ashfaq**, Oak Ridge National Laboratory; **Noah Diffenbaugh**, Stanford University

Willingness to Pay to Reduce Wild Fire Risk in Wild Land-Urban Interface: A Comparative Analysis of Public Programs and Private Actions

**Laine Christman**, University of Nevada, Reno; **Kimberly Rollins**, University of Nevada, Reno; **Michael Taylor**, University of Nevada, Reno

## Concurrent Sessions — Tuesday, 1:00 PM - 2:30 PM

### 2049 Methods

*Lakeshore A, Main Level*

#### Selected Paper Presentation

Papers in this session address empirical questions employing innovative methodological approaches.

**Moderator:** Michael Gunderson, Purdue University

Tail Dependence, Copulas and Crop Insurance Rate Setting

**Xiaodong Du**, *University of Wisconsin*; **Hongli Feng**, *Iowa State University*; **David Hennessy**, *Iowa State University*

A Comparison of Parametric and Nonparametric Estimation Methods for Cost Frontiers and Economic Measures

**Bryon Parman**, *Mississippi State University*; **Allen Featherstone**, *Kansas State University*; **Vincent Amanor-Boadu**, *Kansas State University*

Experimental Auctions to Evaluate Incentives for Cost-effective Agricultural Phosphorus Abatement in the Great Lakes

**Leah Harris**, *Michigan State University*; **Scott Swinton**, *Michigan State University*; **Robert Shupp**, *Michigan State University*

Integrating Efficiency Concepts in Technology Approximation: A Weighted DEA Approach

**Kota Minegishi**, *University of Maryland*

### 2050 Topics in Applied Empirical Methods

*Lake Nokomis, Fourth Level*

#### Selected Paper Presentation

This session explores novel empirical models of agricultural supply and risk preference, water quality, and general economic performance.

**Moderator:** Lyubov Kurkalova, North Carolina A&T State University

Non-Optimal Behavior and Estimation of Risk Preferences

**Zhengfei Guan**, *University of Florida*; **Feng Wu**, *University of Florida*

Estimating Dynamic Performance Indices for Water Utilities: An Application of a Dynamic Factor Model

**Yorghos Tripodis**, *Boston University*; **Nikos Zirogiannis**, *Indiana University Bloomington*

Endogenous Price In a Dynamic Model for Agricultural Supply Analysis

**Wei Zhou**, *Iowa State University*; **Bruce Babcock**, *Iowa State University*

On the Relationship between Financial Stability and Economic Performance: Stressing the Importance of Nonlinear Modelling

**David Ubilava**, *University of Sydney*

### 2051 Conservation Behavior of Farmers: Policy Design and Institutional Issues

*Lake Calhoun, Fourth Level*

#### Selected Paper Presentation

This session addresses adoption of practices or participation in programs that improve environmental quality. These empirical studies use unique datasets to examine the effects of institutional factors, transaction costs, and farmer interactions.

**Moderator:** Madhu Khanna, University of Illinois at Urbana-Champaign

Are Farmer Transaction Costs a Barrier to Conservation Program Participation?

**Laura McCann**, *University of Missouri*; **Roger Claassen**, *USDA-Economic Research Service*

Do Farmers Treat Rented Land Differently than the Land they Own? A Fixed Effects Model of Farmer's Decision to Adopt Conservation Practices on Owned and Rented Land

**Karthik Nadella**, *University of Guelph*; **Brady James Deaton, Jr.**, *University of Guelph*; **Chad Lawley**, *University of Manitoba*; **Alfons Weersink**, *University of Guelph*

Institutional and Economic Complications of River Basin Water Quality Management: The Case of Selenium in Colorado's Lower Arkansas River Valley

**Misti Sharp**, *Colorado State University*; **Dana Hoag**, *Colorado State University*

Does Neighborhood Matter? A Micro-level Spatial Analysis of the Entry and Exit of Organic Farming Program in Southern Sweden

**Xiangping Liu**, *University of Gothenburg*

## Concurrent Sessions — Tuesday, 1:00 PM - 2:30 PM

### 2052 Point-nonpoint Source Water Quality Trading

*Lake Superior A, Fifth Level*

#### Selected Paper Presentation

Point-nonpoint source trading has the potential to reduce costs of meeting water quality goals. However, program design and the supply of abatement by farmers are critical. This session addresses both of these issues.

**Moderator:** Xiang Bi, University of Florida

Farmers' Adoption of Best Management Practices in Kentucky

**Hua Zhong**, University of Kentucky; Wuyang Hu, University of Kentucky

A Model of Agricultural Land Use, Costs, and Water Quality in the Chesapeake Bay

**Patrick Fleming**, University of Maryland

Controlling Non-additional Credits from Nutrient Management in Water Quality Trading Programs through Eligibility Baseline Stringency

**Jeffrey Savage**, USDA-Economic Research Service; Marc Ribaud, USDA-Economic Research Service

Point-Nonpoint Heresy?! An Endogenous Risk Explanation for Point-Nonpoint Trading Ratios Less than One

**Richard Horan**, Michigan State University; James Shortle, The Pennsylvania State University

### 2053 Stochastic and Systematic Risk Analyses

*Lake Superior B, Fifth Level*

#### Selected Paper Presentation

Presentations in this session focus on analyzing risk under various scenarios. Topics include abatement policy in a stochastic control framework, technological uncertainty and learning by doing, iterative stochastic dominance and an examination of systematic risk.

**Moderator:** Jessica Cao, University of Guelph

Optimal Abatement Policy in a Stochastic Control Framework

**Wonjun Chang**, University of Wisconsin; Thomas Rutherford, University of Wisconsin

Technology Uncertainty and Learning by Doing in the Cellulosic Biofuel Investment

**Fanglin Ye**, University of Illinois at Urbana-Champaign; Nicholas Paulson, University of Illinois at Urbana-Champaign; Madhu Khanna, University of Illinois at Urbana-Champaign

Ranking Specialty Crop Profitability: Iterative Stochastic Dominance

**Joseph Parcell**, University of Missouri; Jewelwayne Cain, University of Missouri; Ryan Milhollin, University of Missouri; Alan Weber, Marc IV Consulting

Systemic Risk in Wheat Yields

**Ashley Hungerford**, North Carolina State University

### 2054 Local Food

*Lake Harriet, Fourth Level*

#### Selected Paper Presentation

The presence of a strong local and regional food systems is considered as an important way to revitalize rural communities and preserve the rural landscape. This session includes four presentations investigating different aspects of the local food system.

**Moderator:** Ye Su, University of Missouri

Spatially Varying Impacts of Farmers' Markets on Agricultural Land Use

**Tomoaki Murakami**, University of Tokyo; Nakajima Shinsaku, Meiji University; Takahashi Taro, University of Tokyo; Nishihara Yukinaga, University of Tokyo; Imai Asako, University of Tokyo; Kikushima Ryosuke, University of Tokyo; Sato Takeshi, University of Tokyo

Expanding the Distribution of Local Food

**Jane Kolodinsky**, University of Vermont; Erin Roche, University of Vermont; Sona Desai, Intervale Center

Farm Decision Making and Gender

**Chao Yang**, Virginia Polytechnic Institute and State University; Jeffrey Alwang, Virginia Polytechnic Institute and State University

## Concurrent Sessions — Tuesday, 2:45 PM - 4:15 PM

### **2055 What Will It Take to Get Energy Crops Off the Ground: Land Use Subsidies, Price Subsidies, and Crop Insurance?** *Regency, Second Level*

#### **Invited Paper**

The three papers in this session analyze the design and effects of current crop insurance subsidies and a potential crop insurance program for energy crops on the incentives for farmers to produce energy crops for cellulosic biofuels in the presence of various risks and uncertainties. They compare the potential cost-effectiveness of subsidizing energy crop insurance with that of other types of cost-share and price subsidies under various assumptions about the degree of risk aversion and credit constraints of farmers and examine their implications for the regional pattern of crop production in rainfed US.

**Discussant:** David Zilberman, University of California, Berkeley

The Effects of Land Use Subsidies on Land Use for Energy Crops: Real Options and Costly Reversibility

*Feng Song, Renmin University; Jinhua Zhao, Michigan State University; Scott Swinton, Michigan State University*

Why Price Subsidies May Not be Enough to Induce Production of Energy Crops for Cellulosic Biofuels

*Ruiqing Miao, University of Illinois; Madhu Khanna, University of Illinois at Urbana-Champaign*

Incentivizing Biomass Production via Crop Insurance Changes

*Raymond Massey, University of Missouri*

### **2056 Implementing Capstone Courses for Agribusiness Majors - Prescriptions, Practices and Possibilities** *Lakeshore A, Main Level*

#### **AEM and TLC Section Track Session**

Discussions date back over 25 years about the need for and design of capstone courses in agribusiness curricula, with a general consensus about these issues emerging by the late 1990s. Current practices within many agribusiness undergraduate programs, however, are not always consistent with this previous consensus. This track session addresses the following questions: What was prescribed? What is being done today? What explains divergence between the two? And, most importantly, where do we go from here?

**Organizer:** James Sterns, Oregon State University

**Discussant:** Allen Francis Wysocki, University of Florida

A Bridge Too Far? – A Review of the Literature Detailing Prescriptions about Agribusiness Capstone Courses

*James Sterns, Oregon State University*

The Graduate? – The Pivotal Role of Capstone Courses in Preparing Agribusiness Students for Industry; but, What Does Industry Want?

*Aaron Johnson, University of Idaho*

It's a Wonderful Life? Lessons Learned from the Creation and Demise of a Multi-institution Inter-disciplinary Capstone Course

*Rodney Holcomb, Oklahoma State University*

Back to the Future? Best Practices, Constraints & Moving Forward – Capstone Courses for Tomorrow's Agribusiness Programs

*Robert Brent Ross, Michigan State University*

## Concurrent Sessions — Tuesday, 2:45 PM - 4:15 PM

### 2057 Chinese Consumers' Preference and Willingness-to-Pay

*Lakeshore B, Main Level*

#### China Section Track Session

The four papers in this session collectively analyze Chinese consumers' preference and willingness to pay for traceable food attributes, genetically modified rice, the feature of being made in the US, and flood insurance. Both auctions and choice experiments are used.

**Organizer:** Yanhong Jin, Rutgers University

**Moderator:** Yu Yvette Zhang, Texas A&M University

Home Owners' Willingness-to-Buy for Flood Insurance in Rural China

**Jinzheng Ren**, *China Agricultural University*; **Longling Li**, *China Agricultural University*; **Hong Holly Wang**, *Purdue University*

Consumer Acceptance and Willingness-to-Pay for Genetically Modified Rice in China under Different Information Provided

**Jing Jin**, *University of Arkansas*; **Eric Wailes**, *University of Arkansas*; **Bruce Dixon**, *University of Arkansas*; **Rodolfo Nayga**, *University of Arkansas*; **Zhihao Zheng**, *China Agricultural University of Economics & Management*

Chinese Consumers' Preference and Willingness-to-Pay for Traceable Food Attributes: The Case of Pork

**Linhai Wu**, *Jiangnan University*; **Shuxian Wang**, *Jiangnan University*; **Dian Zhu**, *Jiangnan University*; **Hongsha Wang**, *Jiangnan University*; **Lingling Xu**, *Jiangnan University*

The Value of "Made in USA": Impact of Chinese Acquisition of a US Company on Consumer Willingness-to-Pay

**Yu Yvette Zhang**, *Texas A&M University*; **Shaosheng Jin**, *Zhejiang University*

### 2058 Econometric Analysis of Crop Yield Distributions and Crop Insurance Programs

*Lakeshore C, Main Level*

#### Econometrics Section Track Session

Wide swings in farm income can result from variances of weather, yields, prices, government policies, global markets, and other factors. Managing risk is an important aspect of the farming business, and crop yield and revenue insurance is one of the tools used to manage risk. Modern analyses of crop yield and farm revenue, made possible by advances in econometric technique and computing power coupled with ever expanding farm and crop data, are increasingly employed by agricultural economists to provide timely and more reliable input for farmers and policy makers. The objective of this proposal is to present state-of-the-art economic and econometric analyses of crop yield distributions and crop insurance programs that will be useful to agricultural economists, practitioners and policy makers.

**Organizer:** Ximing Wu, Texas A&M University

Semi-Parametric Density Estimation of Crop Yield Distributions: Bridging the Gap between Parametric Mixtures and Variable Bandwidth Kernel Densities

**Barry Goodwin**, *North Carolina State University*

Heterogeneous Effects of Warming and Drought on Selected Wheat Variety Yields: A Moment Based Maximum Entropy Approach

**Jesse Tack**, *Mississippi State University*

Nonparametric Estimation of Conditional Crop Yield Distributions

**Ximing Wu**, *Texas A&M University*

## Concurrent Sessions — Tuesday, 2:45 PM - 4:15 PM

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### **2059 Graduate Student Extension Competition Winners**

*Mirage, Second Level*

#### **Extension and GSS Section Track Session**

The Graduate Student Extension Competition consists of graduate student prepared work and presentation of that work to an Extension audience. It showcases the student's ability to communicate work product to an extension audience.

**Organizer:** Donald Malone, III, Oklahoma State University

### **2060 Leveraging Federal Data Sources: The Case of Local Food Assessments**

*Greenway A, Second Level*

#### **CRENET Section Track Session**

Growing interest in local food has incited attention from researchers and policymakers to measure its trends and impacts; yet, assessing the requisite data can be difficult given that most nationally-available sources do not delineate by market channel. As a result, many local food assessments utilize case study approaches that include narrow geographic and market scope, as well as divergent methodologies—making it difficult to draw generalizable conclusions. This session brings together three papers that utilize nationally-available data on local foods, contributing to the literature on local food trends and assessments, and the discussion of national data priorities.

**Organizers:** Becca Jablonski, Cornell University; Stephen Vogel, USDA-Economic Research Service

**Moderator:** Stephen Vogel, USDA-Economic Research Service

Discerning Differential Expenditure Patterns of Local Food System Participants: Using ARMS to Assess the Role of Scale

**Becca Jablonski**, Cornell University; **Stephen Vogel**, USDA-Economic Research Service; **Todd Schmit**, Cornell University

Comparing Cohorts in ARMS: Identifying Representative Direct Market Farm and Ranch Enterprises

**Dawn Thilmany McFadden**, Colorado State University

Using Agricultural Census Data to Assess Changes in Direct-to-Consumer Marketing Participation by US Farmers 2002-2012

**Ani Katchova**, University of Kentucky; **Stephen Vogel**, USDA-Economic Research Service

## Concurrent Sessions — Tuesday, 2:45 PM - 4:15 PM

### **2061 International Trade and the Global Land Use and Environmental Consequences of Agricultural Productivity Changes**

*Greenway B, Second Level*

#### **IAAE and International Section Track Session**

There has been a resurgence of interest in the impacts of agricultural productivity on land use and the environment. At the center of this debate is Norman Borlaug's assertion that agricultural innovation is 'land-sparing'. However, the validity of this proposition rests, among other things, on his assumption of a fixed demand for food. Borlaug's hypothesis has recently been brought into question by a series of studies of land use change which argue in favor of a competing hypothesis – dubbed “Jevons’ paradox” -- which suggests that increases in agricultural productivity will be accompanied by an expansion in land area. Rudel et al. (2009) scrutinize FAO data for 961 agricultural sectors in 161 countries over a 15 year period, finding little evidence of higher yields being accompanied by reduced area. All of these studies suffer from the challenge of estimating what would have happened in the absence of such agricultural innovation. There is also a strong tendency in this literature to adopt a regional, rather than a global perspective, thereby ignoring impacts in the rest of the world, where land use and associated greenhouse gas (GHG) emissions may fall in the wake of this innovation.

**Organizer:** Thomas Hertel, Purdue University

**Moderator:** Everett Peterson, Virginia Polytechnic Institute and State University

**Discussant:** Carol Jones, USDA-Economic Research Service

Does Agricultural Intensification Spare Land? Revisiting History and Exploring the Future

**Thomas Hertel**, *Purdue University*; **Uris Lantz Baldos**, *Purdue University*; **Navin Ramankutty**, *McGill University*

Agricultural Trade and Tropical Deforestation – Interactions and Related Policy Options

**Christoph Schmitz**, *Potsdam Institute for Climate Research*; **Hermann Lotze-Campen**, *PIK*; **Anne Biewald**, *Potsdam Institute for Climate Research*; **Florian Humpenöder**, *Potsdam Institute for Climate Research*; **Alexander Popp**, *Potsdam Institute for Climate Research*; **Christoph Mueller**, *Potsdam Institute for Climate Research*

International Trade Patterns, Land Cover Change and Crop Productivity

**Nelson Villoria**, *Purdue University*

Evaluating the Influence of Agricultural Productivity Change in Brazil on Global Land Use and GHGs

**Avery Cohn**, *Tufts University*; **Samuel Evans**, *Colorado State University*; **Maria Bowman**, *Natural Resources Defense Council*; **David Roland-Holst**, *University of California, Berkeley*

### **2062 The Continuing Evolution of Health Insurance Issues: The Affordable Care Act and Beyond**

*Greenway C, Second Level*

#### **Senior Section Track Session**

The continuing evolution of health insurance policy provides a challenge for employers, employees, taxpayers, consumers and policy-makers at the state and national level. The Affordable Care Act (ACA) changed many aspects of health insurance markets. Regardless of the success or failure of the ACA in addressing the numerous policy dimensions of the health insurance problem, the debate and evolution of public policy in this area will continue in coming years. This session will examine these issues by examining (a) the state of the Health Care Marketplaces (Exchanges), particularly at the state level, (b) consumer enrollment on and insurer participation in state Exchanges, (c) health insurance premiums on state Exchanges, and (d) future public policy issues for state governments, employers, and health care consumers. The experience of the Minnesota MNSure Exchange provides a particularly useful case study for examining these issues because it is recognized as a state Exchange that has been successful in enrolling consumers.

**Organizers:** A. Gene Nelson, Texas A&M University; David Schweikhardt, Michigan State University

**Moderator:** John Lee, Jr., Mississippi State University

What Have We Learned about the Formation of State Health Insurance Marketplaces and Where Will We Go Next?

**April Todd-Malmlov**, *Minnesota Health Insurance Marketplace*

What Do We Know about Insurance Provider Participation on Health Insurance Marketplaces?

**Roger Feldman**, *University of Minnesota*

Continuing Issues for Employers and Health Care as a Source of Competitive Advantage in Economic Development

**David Schweikhardt**, *Michigan State University*

## Concurrent Sessions — Tuesday, 2:45 PM - 4:15 PM

### 2063 Empirical Studies on Risk in Agricultural and Ecological Systems

*Lake Superior B, Fifth Level*

#### AFM and ARA Section Track Session

The proposed track session provides a unique set of applied econometric papers investigating the effect of price, production, and ecosystem risk on agent behavior. The papers provide policy and management insights on how policy and management strategies should be formulated to mitigate the negative economic consequences of uncertainty. This set of papers will be of interest to agricultural research and extension economists, government policy officials, private sector firms involved in the agricultural sector.

**Organizer:** Scott Fausti, South Dakota State University

**Moderator:** Scott Fausti, South Dakota State University

Risk-Adjusted Directional Distance Efficiency Measures

**Saleem Shaik**, North Dakota State University

Risk Mitigation from Combining Commodity and Crop Insurance Programs: Evidence from Illinois and Kansas

**Carl Zulauf**, The Ohio State University; **Gregory Ibendahl**, Kansas State University; **Gary Schnitkey**, University of Illinois at Urbana-Champaign

Potential Effects of Land Use Policy on Residential Wildfire Risk in the Wildland-urban Interface: A Case Study for Flathead County, Montana

**Tony Prato**, University of Missouri

The Behavior of the Variance Risk Premium in the Soybean Complex

**Zhiguang Wang**, South Dakota State University; **Scott Fausti**, South Dakota State University; **Bashir Qasmi**, South Dakota State University

### 2065 New Developments in Understanding the Short and Long Run Welfare Impacts of Higher Global Food Prices

*Northstar B, Second Level*

Organized Symposium

Large increases in global food prices over 2007-08, and again in 2010-11, marked a fundamental shift in the global food system. But while there is a general consensus on the principal causes of food price increases, there is far more ambiguity about the welfare impacts of the crisis, particularly for the world's poorest populations. Early partial equilibrium attempts to answer this question came to the conclusion that the short run impacts of higher global food prices would increase global poverty (de Hoyos and Medvedev, 2009; Ivanic and Martin, 2008). However, subsequent survey-based data suggested the adverse impact of higher food prices might have been minimal, at least in the medium term (Headey, 2013). Now, several recent working papers more clearly distinguish between the short and long run effects of higher food prices, allowing for the possibility that, in the long run, factor price adjustments (particularly wage adjustments) could result in much more positive impacts of higher food prices on welfare outcomes.

**Organizers:** Derek Headey, International Food Policy Research Institute; William Martin, The World Bank

World Food Price Rises and the Poor 2006-12: A Slow Food Price Crisis?

**Maros Ivanic**, The World Bank; **William Martin**, The World Bank

Food Prices and Poverty Reduction in the "Long Run"

**Derek Headey**, International Food Policy Research Institute

Food Prices, Wages, and Welfare in Rural India

**Hanan Jacoby**, The World Bank

The Impact of Food Price Shocks in Uganda: First-Order Versus Long-Run Effects

**Bjorn Van Campenhout**, International Food Policy Research Institute; **Karl Pauw**, International Food Policy Research Institute; **Nicholas Minot**, International Food Policy Research Institute

## Concurrent Sessions — Tuesday, 2:45 PM - 4:15 PM

### 2066 New Product Development and Value Chains

*Greenway D, Second Level*

#### Selected Paper Presentation

To meet consumer demands, new products are developed on a regular basis. Methods of testing these new products are discussed in this section with further discussions regarding value chain analysis.

**Moderator:** Ziran Li, Iowa State University

New Product Adoption in a Friendship Network using Spatial Lag Model

**Di Fang**, Arizona State University; Timothy Richards, Arizona State University

Consumer Perceptions of Low Carbon Food and WTP for Mandatory Implementation of Low Carbon Agriculture in South Korea

**Hyeyoung Kim**, University of Florida; Tae-Kyun Kim, Kyungpook National University; Lisa House, University of Florida

Value Creation across the Food and Agriculture Value Chain

**Maria Cucagna**, University of Illinois at Urbana-Champaign; Peter Goldsmith, University of Illinois at Urbana-Champaign

### 2067 System Influences on Behavior

*Greenway E, Second Level*

#### Selected Paper Presentation

Papers in this session indicate the importance of understanding how existing (or potential) systems—i.e., stock market, point-of-sale signs in supermarkets, food stamp policies, and federal assistance programs—can influence consumer behavior. Specifically, papers in this session provide details regarding how these systems can affect consumer food consumption, food purchases, and food insecurity.

**Moderator:** Amanda Weaver, Oklahoma State University

Nudges in the Supermarket: Experience from Point-of-Sale Signs

**Janani Rajbhandari Thapa**, Texas Tech University; Conrad Lyford, Texas Tech University; Barent McCool, Texas Tech University; Eric Belasco, Montana State University; Barbara Pence, Texas Tech University; Audrey McCool, Texas Tech University; Tyra Carter, United Supermarkets, LLC

Can Food Stamp Policies Encourage Healthy Eating? An Experiment on Food Stamp Restrictions

**Amanda Weaver**, Oklahoma State University; Jayson Lusk, Oklahoma State University

Do Federal Assistance Programs Mitigate the Effect of Energy Price Shocks on Food Insecurity?

**Charlotte Tuttle**, USDA-Economic Research Service

### 2068 Innovative Models of Consumer Demand

*Greenway F, Second Level*

#### Selected Paper Presentation

This session brings together four papers that depart from standard models of consumer demand to address issues related to endogeneity, consumer learning, and seafood product demand.

**Moderator:** James Eales, II, Purdue University

An Inverse Almost Ideal Demand System for Blue Crab in Chesapeake Bay: Seasonality and Endogeneity

**Pei Huang**, Texas A&M University

On Price Endogeneity in the Analysis of Food Demand in China

**Vardges Hovhannisyan**, University of Minnesota; Marin Bozic, University of Minnesota-Twin Cities

Impacts of Branded versus Non-Branded Seafood Products on Demand Elasticity with Theory-Based Priors

**Yoonsuk Lee**, University of Arkansas; Jae Bong Chang, Yeungnam University

Learning in Credence Good Markets: An Example of Vitamins

**Iryna Demko**, The Pennsylvania State University

## Concurrent Sessions — Tuesday, 2:45 PM - 4:15 PM

### 2069 International Food Consumers

Greenway G, Second Level

#### Selected Paper Presentation

The shopping behavior and product choices of international consumers are explored in this session.

**Moderator:** Mary Muth, RTI International

The Effects of Country of Origin Images and Patriotism on British Consumer Preference for Beef

**Thong Meas**, University of Kentucky; **Wuyang Hu**, University of Kentucky; **Carola Grebitus**, Arizona State University; **Gregory Colson**, University of Georgia

Modeling Food Retail Format Choice and Shopping Frequency Decision in Urban Ghana: A Multivariate Ordered Probit Regression Application

**Ting Meng**, University of Georgia; **Wojciech Florkowski**, University of Georgia; **Daniel Sarpong**, University of Ghana-Legon; **Manjeet Chinnan**, University of Georgia; **Anna Resurreccion**, University of Georgia

EU Consumers' Perceptions of Fresh-cut Fruit and Vegetables Attributes: a Choice Experiment Model

**Antonio Baselice**, University of Foggia; **Francesca Colantuoni**, University of Massachusetts; **Daniel Lass**, University of Massachusetts Amherst; **Gianluca Nardone**, University of Foggia; **Antonio Stasi**, University of Foggia

Psychographic Characteristics and Trust in Food Marketing Claims: A Case Study from Two European Countries

**Jill Ann Fitzsimmons**, University of Massachusetts; **Francesca Colantuoni**, University of Massachusetts; **Gianni Cicia**, University of Naples Federico II; **Teresa Del Giudice**, University of Naples Federico II

### 2070 Food Security and Policy in Developing Countries

Greenway H, Second Level

#### Selected Paper Presentation

Food policies and food security in developing countries.

**Moderator:** Madiha Zaffou, University of Connecticut

Food Policies – Implication for Food Sector in India

**Marta Kozicka**, University of Bonn; **Matthias Kalkuhl**, Center for Development Research; **Shweta Saini**, ICRIER

Food Security for Whom? The Effectiveness of Food Reserves in Poor Developing Countries

**Randall Romero-Aguilar**, The Ohio State University; **Mario Miranda**, The Ohio State University

Achieving Food vs. Fuel Security – Economywide Implications of India's "Right to Food Act 2013"

**Dileep Birur**, RTI International; **Robert Beach**, RTI International

### 2071 Recent Developments Regarding Food Safety

Greenway I, Second Level

#### Selected Paper Presentation

This session deals with recent developments in food safety discussing strategic interactions as well as demand and welfare effects of food safety events. Also, food safety innovations are linked to mandatory and voluntary adoptions. Specifically the blackberry industry and pasteurized milk are used as examples.

**Moderator:** Craig Gundersen, University of Illinois at Urbana-Champaign

Upstream and Downstream Strategic Food Safety Interactions

**Miyoung Oh**, Iowa State University; **David Hennessy**, Iowa State University

Demand and Welfare Impacts of a Potential Food Safety Event in the Blackberry Industry

**Roderick Rejesus**, North Carolina State University; **Charles Safley**, North Carolina State University; **Bernadine Strik**, Oregon State University

Mandatory vs. Voluntary Adoption of Food Safety Innovations: Rise of the Pasteurized Milk and Public Health

**Huiqiang Wang**, University of Rhode Island

Aflatoxins - A Negative Nexus between Agriculture Nutrition and Health

**Tulika Narayan**, Abt Associates Inc.; **Anna Belova**, Abt Associates Inc.; **Jacqueline Haskell**, Abt Associates Inc.

## Concurrent Sessions — Tuesday, 2:45 PM - 4:15 PM

### 2072 Another Look at Obesity Issues

*Greenway J, Second Level*

#### Selected Paper Presentation

The obesity epidemic is still on the spotlight. This session contains studies that examine different aspects of this timely topic. One paper looks at the roles of gender, income and time in obesity development while another investigates the effect of obesity and malnutrition on labor market and children's school performance.

**Moderator:** Rafael Ribas, University of Illinois at Urbana-Champaign

Timing is Everything: The Role of Time in Fast-Food Purchasing Behavior in the United States

**Abigail Okrent**, USDA-Economic Research Service; **Karen Hamrick**, USDA-Economic Research Service

Socio-economic Status and Obesity in the US: Gender and Income Really Matter

**Ruizhi Xie**, University of Delaware; **Titus Awokuse**, University of Delaware

### 2073 Analysis of Mineral Fertilizer Adoption and Returns in Sub-Saharan Africa

*Skyway A, Second Level*

#### Selected Paper Presentation

The papers in this session assess the returns to mineral fertilizer use and its adoption in Sub-Saharan Africa. Papers analyze profitability and adoption using spatial econometric models in Malawi and Nigeria and estimate the value of index insurance relative to Zambia's fertilizer subsidy program.

**Moderator:** Awudu Abdulai, University of Kiel

Productivity Effects of Sustainable Intensification: The Case of Urea Deep Placement for Rice Production in Niger State, Nigeria  
**Saweda Liverpool-Tasie**, Michigan State University; **Serge Adjognon**, Michigan State University; **Olujemisi Kuku-Shittu**, International Food Policy Research Institute

Where and Why is Fertilizer (Un)Profitable in Sub-Saharan Africa? A Spatial Econometric Analysis of Fertilizer Use in Malawi  
**Francis Darko**, Purdue University; **Jacob Ricker-Gilbert**, Purdue University; **Gerald Shively**, Purdue University; **Raymond Florax**, Purdue University; **Talip Kilic**, The World Bank

Spatial Dependence in the Adoption of the Urea Deep Placement for Rice Production in Niger State, Nigeria: A Bayesian Spatial Autoregressive Probit Estimation Approach

**Serge Adjognon**, Michigan State University; **Lenis Liverpool-Tasie**, Michigan State University

The Effect of Index Insurance on the Returns to Farm Inputs: Exploring Alternatives to Zambia's Fertilizer Subsidy Program

**Katie Farrin**, USDA-Economic Research Service; **Anthony Murray**, USDA-Economic Research Service

### 2074 Environmental Issue and Technical Efficiency: Evidence from Africa, Asia and the Pacific

*Skyway B, Second Level*

#### Selected Paper Presentation

Papers in this session investigate the role that development has on the environment. Topics such as deforestation, risk of flooding, and pest management are addressed.

**Moderator:** Scott Swinton, Michigan State University

CO2 Emissions from Deforestation and Efficiency in Agricultural Productivity: The Case of Sub-Saharan Africa

**Aziza Kibonge**, University of Nebraska

Costs and Benefits of Ecosystem-based Adaptation for Flood Risk Reduction in Fiji

**Pike Brown**, Landcare Research; **Adam Daigneault**, Landcare Research

Productivity and Technical Inefficiency of Alternative Pest Management Compliant and Non-Compliant Farmers: The Case of Shal-lot Growers in Indonesia

**Wahida Maghraby**, University of Adelaide; **Wendy Umberger**, University of Adelaide; **Dale Yi**, Michigan State University

Market Power and Economic Consequences of Storage Pest Damage in Rwandan Dry Bean Markets

**Michael Jones**, University of Florida; **Corinne Alexander**, Purdue University; **Bruce Smith**, Consultant

## Concurrent Sessions — Tuesday, 2:45 PM - 4:15 PM

### 2075 Agricultural Land Use Change and Development

*St. Croix, Second Level*

#### Selected Paper Presentation

This session explores factors affecting agricultural land use change. Topics include the effects of climate change on agricultural land use and management; the effects of fragmentation on farmland conversion; and the effects of parcel size zoning on development patterns.

**Moderator:** Danny Campbell, University of Stirling

Climate Change Impacts on the Intensive and Extensive Margins of US Agricultural Land

**Jonathan McFadden**, *Iowa State University*; **John Miranowski**, *Iowa State University*

Climate Change Adaptation and Shifts in Land Use for Major Crops in the US

**Sung Ju Cho**, *Texas A&M University*; **Bruce McCarl**, *Texas A&M University*; **Ximing Wu**, *Texas A&M University*

Impacts of Fragmentation and Neighbor Influence on Farmland Conversion: A Case Study of the Edmonton-Calgary Corridor of Canada

**Feng Qiu**, *University of Alberta*; **Larry Laliberte**, *University of Alberta*; **Brent M. Swallow**, *University of Alberta*; **Scott R. Jeffrey**, *University of Alberta*

The Effect of Downzoning on Spatial Development Patterns

**Jeffrey Ferris**, *University of Maryland*; **David Newburn**, *University of Maryland*

### 2076 International

*Minnehaha, Second Level*

#### Selected Paper Presentation

Papers in this session explore different aspects of agricultural production in developing countries. These aspects include drivers of supply response and performance.

**Moderator:** Mohua Haque, The Samuel Roberts Noble Foundation

Long-Term Determinants of Agricultural Output in Smallholder Farmers in Rwanda

**Ildephonse Musafiri**, *Center for Development Research*

How do Business Practices Affect Micro and Small Firms' Performance in a Developing Country?

**Long Trinh**, *National Graduate Institute for Policy Studies*; **Tetsushi Sonobe**, *National Graduate Institute for Policy Studies*

More than Adopters: The Welfare Impacts of Farmer Innovation in Rural Ghana

**Justice Tambo**, *Center for Development Research*; **Tobias Wünscher**, *Center for Development Research*

Land Allocation for Grains and Oilseeds in Post-Soviet Russia: Do Crop Prices Matter?

**Ekaterina Vorotnikova**, *University of Florida*; **Serhat Asci**, *University of Florida*; **James Seale, Jr.**, *University of Florida*

### 2077 Model Specification and Validation

*Lake Superior A, Fifth Level*

#### Selected Paper Presentation

This session focuses on model specification and model validation via nonparametric and Monte Carlo methods.

**Moderator:** C. Richard Shumway, Washington State University

Distribution-free Methods for Estimation of Willingness-to-Pay Models Using Discrete Response Valuation Data

**Carlos Carpio**, *Texas Tech University*; **Samuel Zapata**, *Clemson University*

An Application of Kernel Density Estimation via Diffusion to Group Yield Insurance

**Austin Ramsey**, *North Carolina State University*

Crop Choice and Rotational Effects: A Dynamic Model of Land Use in Iowa Recent Years

**Yongjie Ji**, *Iowa State University*; **Catherine Kling**, *Iowa State University*; **Sergey Rabotyagov**, *University of Washington*

## Concurrent Sessions — Tuesday, 2:45 PM - 4:15 PM

### 2078 Biofuels and Their Effects on Land Use

*Northstar A, Second Level*

#### Selected Paper Presentation

This session includes papers that use careful modeling to examine the effects of biofuels, biofuel policies, and oil prices on land use.

**Moderator:** Johannes Sauer, Technische Universität München

Exploring the Implications of Oil Prices for Global Biofuels, Food Security, and GHG Mitigation

**Yongxia Cai**, RTI International; **Robert Beach**, RTI International; **Yuquan Zhang**, RTI International

Global Land Use Impacts of US Ethanol: Static vs. Dynamic Economic Modeling

**Alla Golub**, Purdue University; **Thomas Hertel**, Purdue University; **Steven Rose**, Electric Power Research Institute

Costs of Maintaining the Conservation Reserve Program In the Presence of Biofuels

**Madhu Khanna**, University of Illinois at Urbana-Champaign; **Xiaoguang Chen**, Southwestern University of Finance and Economics

### 2079 Point Source Pollution and Policy Design

*Lake Calhoun, Fourth Level*

#### Selected Paper Presentation

Point source pollution remains an issue in the U.S. Liability law, self-regulation, bonding requirements and differential treatment of natural gas vehicles are examined in this session.

**Moderator:** Christopher Burns, University of Massachusetts Amherst

Third Party Certification and Self-regulation: Evidence from Responsible Care and Accidents in the US Chemical Industry

**Huan Li**, State University of New York at Binghamton; **Neha Khanna**, Binghamton University; **Martina Vidovic**, Rollins College

Market Competition and Abatement Technology Diffusion under Environmental Liability Law

**Yi Li**, Southern Methodist University

Economics of Oil and Gas Development in the Presence of Reclamation and Bonding Requirements

**Yoshiyuki Igarashi**, University of Wyoming; **Roger Coupal**, University of Wyoming; **David Finnoff**, University of Wyoming; **Matthew Andersen**, University of Wyoming

Leveling the Playing Field of Alternative Fuels: Incorporating the Effect of Natural Gas Vehicles on Coal Emissions

**Jonathan Eyer**, North Carolina State University; **Steven Sexton**, North Carolina State University

### 2080 Impact of Development Policies

*Lake Harriet, Fourth Level*

#### Selected Paper Presentation

This session includes four presentations that investigate how different development policies affect regional development and resident well-being.

**Moderator:** Jeffrey Savage, USDA-Economic Research Service

Decentralization of National Transfer Programs: Compliance, Local Revealed Equivalence Scales, and Efficacy of Aid

**Andrew Simons**, Cornell University

The Impact of County Level Business Taxes on Entrepreneurship

**Shaheer Burney**, University of Kentucky; **Alison Davis**, University of Kentucky; **James Allen**, University of Kentucky

Do Water Service Provision Contracts with Neighboring Population Centres Reduce Drinking Water Risk on Canadian Reserves?

**Bethany Woods**, University of Guelph; **Brady James Deaton, Jr.**, University of Guelph

Life Satisfaction of the Elderly Population in Rural China: The Impacts of Government Programs

**Ya Ding**, University of Electronic Science and Technology of China

## Concurrent Sessions — Tuesday, 4:30 PM - 6:00 PM

### **2081** Preparing Our Students for Successful Industry Careers Through Active Learning and Extracurricular Opportunities *Lakeshore A, Main Level*

#### **AEM and TLC Section Track Session**

We have long known the importance of active learning and extracurricular opportunities, but it has been difficult at times to quantify that importance when it comes to our students' career paths, and advancement in their careers as well as the promotion and tenure decision at our Universities. This session will examine the value extracurricular activities have to former students as they pursue careers in industry, the ways in which preparation and participation in these activities map to learning outcomes identified by Universities, and how they are structured in terms of a class or club setting at our Universities. Panelists will include former agricultural economics and agribusiness students currently pursuing careers in industry who were active in activities such as Academic Bowls, NAMA, Case Study Competition Teams, Study Abroad Programs and Ag Econ/Agribusiness Clubs as well as faculty currently advising students in extracurricular activities.

**Organizer:** Elizabeth Yeager, Purdue University

**Panelists:** Marcus Hasheider, PadillaCRT; Aslihan Spaulding, Illinois State University; Leigh Thiel, broadhead.; Christine Wilson, Kansas State University; Elizabeth Yeager, Purdue University

### **2082** Economic Development in China: R&D Investment, Poverty Reduction, Migration, and the Environment *Lakeshore B, Main Level*

#### **China Section Track Session**

The papers in this session examine economic development in China through various aspects, including agricultural R&D investment, poverty reduction, reverse flow of rural labors from cities back to rural areas, and spatial patterns of CO2 missions.

**Organizer:** Yanhong Jin, Rutgers University

**Moderator:** Jie Lu, Renmin University of China

Factors Influencing Participation in Wetland Ecosystem Restoration: Evidence from China  
*Honggen Zhu, Jiangxi Agricultural University; Zhengfei Guan, University of Florida*

Public Policies and Poverty Exit in a Lagging Region of China: Evidence from a Village Panel Survey in Guizhou Province  
*Yumei Zhang, Agricultural Information Institute of Chinese Academy of Agricultural Sciences; Mateusz Filipowski, International Food Policy Research Institute; Kevin Chen, IFPRI-Beijing; Xinshen Diao, International Food Policy Research Institute*

Has China's Domestic Food Prices Become More Stable? An Investigation Based on a Structural Break Regime Switching Model  
*Jie Lu, Renmin University of China; Zhong Tang, Renmin University of China; Yujie Lin, Renmin University of China; Xinkai Zhu, Renmin University of China*

## Concurrent Sessions — Tuesday, 4:30 PM - 6:00 PM

### **2083** Developing Smarter Metrics: Quantifying Outcomes and Impacts from Interdisciplinary Efforts

*Skyway A, Second Level*

#### **NAAEA Section Track Session**

Land Grant Universities and other public Universities are increasingly seeking better impact and productivity metrics demonstrating the importance of research, outreach, and academic capacity-building to enhance sustainability and social welfare. This third installment of the NAAEA track session series capitalizes on the discussions of the first two sessions. Concrete analyses of metrics to capture the contributions of agricultural and applied economists are the theme of this third session. Earlier sessions focused on fundamental issues with designing and utilizing collaborative metrics to enhance internal prioritizing and evaluating education, research and outreach efforts. It became clear that impact assessments are more complex for inter-disciplinary projects are involved. In this 2014 track session we extend the discussion to practice. Targeted metrics are presented and discussion will focus on their effectiveness in measuring impacts. Given the need for relevance to an ever broader array of stakeholders, we conclude with a discussion of how such metrics can best be used in communities outside traditional agricultural agencies and sectors to enhance the impacts of our efforts while garnering additional support for our academic programs.

**Organizer:** Susan Capalbo, Oregon State University

**Discussant:** David Lambert, Kansas State University

**Presenter:** Gary Thompson, University of Arizona

The Efficacy of Alternative Metrics

**Susan Capalbo**, Oregon State University

Metrics in a Changing World

**Eluned Jones**, South Dakota State University

A Federal Perspective on Metrics

**Mary Bohman**, USDA-Economic Research Service

Outcome Measures

**Philip Pardey**, University of Minnesota

### **2084** Spatial Econometrics Methods

*Lakeshore C, Main Level*

#### **Econometrics Section Track Session**

Spatial models are an important tool in agricultural economics as well as the related disciplines of regional sciences, geography, urban and real estate economics, economic geography, public economics, and local public finance. Given the nature of agricultural economics, spatial econometric methods are playing an increasingly important role. However, since many standard econometrics textbooks do not cover spatial models, this important and quickly growing literature is not well understood by economic researchers, including agricultural economists. This learning session will provide an overview of spatial econometric methods. It is hoping that the participants of this session would obtain some basic understanding of spatial modeling and its implementation.

**Organizer:** Ximing Wu, Texas A&M University

Spatial Econometrics Methods

**Katherine Baylis**, University of Illinois at Urbana-Champaign

## Concurrent Sessions — Tuesday, 4:30 PM - 6:00 PM

### **2085 Global Trends in Marketing and Demand of Meat and Dairy Products**

*Lake Superior A, Fifth Level*

#### **FAMPS and FSN Section Track Session**

This session presents new insights on global meat and dairy marketing and demand from a variety of angles drawing on survey and experimental data from developed and less developed countries. Marketing issues considered in this session range from animal welfare, quality labels, to shelf life. Overall, the papers in this track session present a wide-range of new findings in consumer valuation of meat and milk with an international market focus.

**Organizers:** Carola Grebitus, Arizona State University; Christiane Schroeter, California Polytechnic State University

**Moderator:** Glynn Tonsor, Kansas State University

Consumer Valuation of Organic and Conventional Milk: Taking a Closer Look at Shelf Life

**Christiane Schroeter**, California Polytechnic State University; **Charles Nicholson**, The Pennsylvania State University; **Margaret Meloy**, The Pennsylvania State University

Drivers of Demand for “Certified Organic” Poultry Products in Indonesia

**Wendy Umberger**, University of Adelaide; **Wahida Maghraby**, University of Adelaide; **Nicholas Minot**, International Food Policy Research Institute

European Consumer Preferences for Domestic and Imported Beef with International Quality Certifications and Growth Hormone Claims

**Carola Grebitus**, Arizona State University; **Gregory Colson**, University of Georgia; **Wuyang Hu**, University of Kentucky

Are Animal Attitudes Linked to Attitudes Towards the Use of Genomics In the Same Way Across Countries?

**Ellen Goddard**, University of Alberta; **Anahita Hosseini Matin**, University of Alberta

### **2086 Tips on Communicating in an Academic Setting**

*Greenway A, Second Level*

#### **GSS Section Track Session**

Graduate programs in applied economics provide students with many tools and methods for evaluating economic issues. Being successful in the field, however, often requires the ability to explain research in an effective manner. This track session brings together three experienced members of the academic community to provide tips on how to communicate in an academic setting. They will discuss tips on how to publish academic papers, how to give meaningful presentations, and how to communicate research through extension programs.

**Organizer:** Donald Malone, III, Oklahoma State University

**Moderator:** Donald Malone, III, Oklahoma State University

How to Publish Academic Papers

**Brian Roe**, The Ohio State University

How to Give Meaningful Presentations

**Jayson Lusk**, Oklahoma State University

How to Communicate Research Through Extension Programs

**Dawn Thilmany McFadden**, Colorado State University

## Concurrent Sessions — Tuesday, 4:30 PM - 6:00 PM

### **2087** The Evolving Structure of US Agriculture: Productive or Disruptive Change for Rural America

*Greenway C, Second Level*

#### Senior Section Track Session

The current structure of agriculture is characterized by a significant number of very small farms which are growing in number and share of total farms, and smaller shares in all larger size classes. An important issue is the interplay of the geography of production, farm structure, and rural communities. Implications for agribusiness and many agricultural cooperatives, which face challenges in dealing with the increasingly skewed distribution of their membership, are also important. Given these trends and expectation that they will continue, what are the industry strategies to evolve successfully and possible policy changes that might be required to accommodate them?

**Organizer:** Walter Armbruster, Farm Foundation (retired)

**Moderator:** Walter Armbruster, Farm Foundation (retired)

20-year Evolution of Farm Structure Brings Sector Resilience

**Mary Ahearn**, *USDA-Economic Research Service*; **Virginia Harris**, *USDA-National Agricultural Statistics Service*

Implications for Communities

**Michael Woods**, *Oklahoma State University*; **Steven Deller**, *University of Wisconsin*

Implications for Agribusiness and Cooperatives

**Michael Cook**, *University of Missouri*

Is it Productive or Disruptive?

**Danny Klinefelter**, *Texas A&M University*

### **2088** Crop Outlook

*Mirage, Second Level*

#### Extension Section Track Session

This session will feature presentations highlighting the current and near-term situation and outlook for major U.S. crop commodities: corn and soybeans, wheat, and cotton. This year's session will also include a discussion of alternative or non-traditional crops such as canola, sunflowers, sesame, and guar. All presentations will provide insight of factors that may affect the crop mix in the United States and elsewhere in the future and highlight the implications for Extension economists.

**Organizer:** James Welch, Texas A&M University

Wheat Outlook

**Frayne Olson**, *North Dakota State University*

Corn and Soybean Outlook

**James Hilker**, *Michigan State University*

Cotton Outlook

**John Robinson**, *Texas A&M University*

Outlook for Alternative Crops

**James Welch**, *Texas A&M University*

## Concurrent Sessions — Tuesday, 4:30 PM - 6:00 PM

### **2089 A New Transdisciplinary Approach to Regional Integrated Assessment of Climate Impact and Adaptation in Africa and South Asia**

*Regency, Second Level*

#### **International Section Track Session**

This session will present economic impact results (adoption/adaptation, production, income, poverty) from regional teams in Sub-Saharan Africa and South Asia that are part of the Agricultural Model Intercomparison and Improvement Project (AgMIP). All of the teams are utilizing the new integrated assessment methodology developed by AgMIP. This approach represents a departure from approaches in the literature in several dimensions. First, the approach is based on the analysis of agricultural systems (not individual crops) and is inherently trans-disciplinary: it is based on a deep collaboration among a team of climate scientists, agricultural scientists and economists to design and implement regional integrated assessments of agricultural systems. Second, in contrast to previous approaches that have imposed future climate on models based on current socio-economic conditions, this approach combines biophysical and economic models with a new type of pathway analysis (Representative Agricultural Pathways) to parameterize models consistent with a plausible future world in which climate change would be occurring. Third, adaptation packages for the agricultural systems in a region are designed by the research team with a level of detail that is useful to decision makers, such as research administrators and donors, who are making agricultural R&D investment decisions. Finally, the approach represents not only “mean” impact the distribution of impacts among farm populations. The session will feature a brief introduction followed by one presentation on Sub-Saharan Africa results (from East, West and Southern Africa) and one presentation with results from South Asia (India, Pakistan and Sri Lanka). Presentations will summarize the impact assessment and adaptation analysis results, comparing and contrasting among study areas, and highlighting the role of the Representative Agricultural Pathways in climate impact assessment.

**Organizer:** John Antle, Oregon State University

A New Trans-Disciplinary Approach to Regional Integrated Assessment of Climate Impact and Adaptation in Agricultural Systems  
**John Antle**, Oregon State University; **Roberto Valdivia**, Oregon State University

Climate Impact and Adaptation in West, East and Southern Africa: Pathways, Impacts and Adaptation

**Ibrahimia Hathie**, Initiative Prospective Agricole et Rurale; **Richard Mulwa**, University of Nairobi; **Sabine Homann-Kee Tui**, ICRISAT; **Charles Nehemachena**, Human Sciences Resource Council

Climate Impact and Adaptation in South Asia: Pathways, Impacts and Adaptation

**Muhammad Ashfaq**, Al-Shamas Seed & Pesticides; **P. Paramasivam**, Tamil Nadu Agricultural University; **Harbir Singh**, Indian Center for Agricultural Research; **Dumindu Herath**, Foundation for Environmental, Climate and Technology

### **2090 The Economics of Honey Bee Health: A Dialogue on Current Work, Critical Extensions, and Policy-Relevant Research**

*Northstar A, Second Level*

#### **Organized Symposium**

The 90-minute symposium will be divided into two parts. The first hour of the session will be split into 15-minute segments during which, each research team (EPA, USDA, University of Illinois at Urbana-Champaign, and North Carolina State University) will briefly present their work, anticipated extensions, and perspectives on additional research opportunities. The remaining portion of the session will include a question and answer period and an open discussion on honey bee health topics, including the proposed working group being organized by the EPA, USDA, and the University of Illinois at Urbana-Champaign.

**Organizers:** Elizabeth Hill, University of Georgia; Michelle Ranville, Environmental Protection Agency; T J Wyatt, US Environmental Protection Agency

**Panelists:** Katherine Baylis, University of Illinois at Urbana-Champaign; Jennifer Bond, Colorado State University; Wally Thurman, North Carolina State University

## Concurrent Sessions — Tuesday, 4:30 PM - 6:00 PM

### **2091 Addressing the Local Impacts of Oil and Gas Development: Is State Fiscal Policy Up to the Task?**

*Northstar B, Second Level*

#### **Organized Symposium**

The session will advance our knowledge of the nexus of issues related to the challenge of effective governance and taxation of oil and gas as that sector continues through a period of rapid change. This session will provide analysis from the fields of community development, public policy, and rural geography to begin to craft a multidisciplinary perspective.

**Organizer:** Linda Young, Montana State University

**Moderator:** Roger Coupal, University of Wyoming

**Discussant:** Roger Coupal, University of Wyoming

Emerging Approaches to Measuring Community Impacts from Oil and Gas Development: Process and Metrics in the US West

**Mark Haggerty**, *Headwaters Economics*

The Political Economy of Taxation and Marcellus Shale Development in Pennsylvania

**Kyle Hoy**, *The Pennsylvania State University*; **Timothy Kelsey**, *The Pennsylvania State University*

Home from Holiday: Lessons from the Debate on Taxation on Unconventional Drilling in Montana

**Linda Young**, *Montana State University*

### **2092 Water and Energy**

*Lake Harriet, Fourth Level*

#### **AERE Organized Symposium**

Climate change and other environmental concerns have heightened interest in reducing energy and water usage. This session examines the role of economic and regulatory tools to shape demand in these sectors.

Incorporating Random Effects in Structural Models of Piecewise-Linear Pricing: An Application to Residential Water Demand in North Carolina

**Roger Von Haefen**, *North Carolina State University*; **Marwa Salem**, *North Carolina State University*

Residential Water Demand Effect of Increasing Block Rate Water Budgets

**Kenneth Baerenklau**, *University of California, Riverside*; **Kurt Schwabe**, *University of California, Riverside*

Market Structure and Energy Efficiency Regulation: The Case of Clothes Washers

**C. Anna Spurlock**, *Lawrence Berkeley Lab*

Evaluate the Impact of Voluntary Program on Promoting Energy Efficient Technology

**Rong Zhou**, *University of Connecticut*; **Kathleen Segerson**, *University of Connecticut*

### **2093 Risk Aversion in US Agriculture**

*Greenway D, Second Level*

#### **Selected Paper Presentation**

Risk aversion methods continue to evolve with changing volatility in agriculture markets. This section discusses the relationship between risk aversion, marketing, and time with applications in the land and fed cattle and hog markets.

**Moderator:** Benjamin Campbell, University of Connecticut

Producer Perceptions of Risk and Time

**Kendra Hedge**, *Purdue University*; **Elizabeth Yeager**, *Purdue University*

The Role of Risk and Risk-Aversion in Adoption of Alternative Marketing Arrangements by the US Farmers

**Wu-Yueh Hu**, *National Chung Hsing University*; **Tomislav Vukina**, *North Carolina State University*; **Xiaoyong Zheng**, *North Carolina State University*

Threshold Effects on Procurement Price Relationships for Fed Cattle and Hogs

**Yoonsuk Lee**, *University of Arkansas*; **Clement Ward**, *Oklahoma State University*; **Mallory Kay Vestal**, *West Texas A&M University*

## Concurrent Sessions — Tuesday, 4:30 PM - 6:00 PM

### **2094 Consumer Psychology** *Greenway E, Second Level*

#### **Selected Paper Presentation**

Papers in this session indicate the importance of consumer psychology to understand consumer economic decisions. Consumer habits, valuation of food safety attributes, information load, and decision rules are all examined regarding their effect on health, artisan cheese valuation, food choice experiments, and discrete choice experiments respectively.

**Moderator:** Di Fang, Arizona State University

Attribute Non-attendance in Food Choice Experiments under Varying Information Load

**Meng Shen**, *University of Florida*; **Zhifeng Gao**, *University of Florida*; **Schroeder Ted**, *Kansas State University*

A Hedonic Analysis of Artisan Cheese Prices: The Value of Food Safety Attributes to Consumers

**Kurt Waldman**, *Michigan State University*

Addressing Elimination and Selection by Aspects Decision Rules in Discrete Choice Experiments: Does it Matter?

**Seda Erdem**, *University of Stirling*; **Danny Campbell**, *University of Stirling*; **Carl Thompson**, *University of York*

### **2095 Using Micro Data to Understand Supplier and Consumer Behaviors** *Greenway F, Second Level*

#### **Selected Paper Presentation**

This session contains four papers that use unique micro data to understand supplier and consumer behavior in markets ranging from GM crop to residential water demand.

**Moderator:** Mykel Taylor, Kansas State University

Information Efficiency in a Lemons Market: Evidence from Bt Cotton Seed Market in Pakistan

**Xingliang Ma**, *International Food Policy Research Institute*; **David Spielman**, *International Food Policy Research Institute*; **Hina Nazli**, *Pakistan Strategy Support Program*; **Fatima Zaidi**, *International Food Policy Research Institute*; **Patricia Zambrano**, *International Food Policy Research Institute*; **Shahzad Kouser**, *University of Agriculture, Faisalabad, Pakistan*

The Effect of Price and Non-Price Conservation Programs on Residential Water Demand

**Serbat Asci**, *University of Florida*; **Tatiana Borisova**, *University of Florida*

The Role of Farmers' Competition on Farmland Price in Bretagne Region of France

**Chalachew Temesgen**, *French Agronomic Research Institute*; **Pierre Dupraz**, *French Agronomic Research Institute*

A Food Demand System Estimation for Rural Malawi: Estimates Using Third Integrated Household Survey Data

**Assa Maganga**, *Lilongwe University of Agriculture and Natural Resources*

### **2096 Agricultural Market Dynamics** *Greenway G, Second Level*

#### **Selected Paper Presentation**

A series of papers on agricultural market institutions and how they react to market forces will be presented. The session will highlight implications of market performance across a variety of products.

**Moderator:** Hayley Chouinard, Washington State University

Are Food Exchange Websites the Next Big Thing in Food Marketing? A Latent Class Analysis

**Kar Ho Lim**, *Korea University*; **Michael Vassalos**, *Clemson University*

Optimal Licensing for Public Intellectual Property: Theory and Application to Plant Variety Patents

**Julian Alston**, *University of California, Davis*; **Zoe Plakias**, *University of California, Davis*

Biofuels versus Food: How Much Brazilian Ethanol Production Can Affect Domestic Food Prices?

**Daniel Henrique Dario Capitani**, *Brazilian Bioethanol Science and Technology Laboratory*

Eliciting Expert Opinion on Components of USDA Livestock Market Information

**Jeremy Ross Pruitt**, *Louisiana State University*; **Glynn Tonsor**, *Kansas State University*; **Kathleen Brooks**, *University of Nebraska-Lincoln*

## Concurrent Sessions — Tuesday, 4:30 PM - 6:00 PM

### 2097 Economics of Production and the Environment

*Greenway H, Second Level*

#### Selected Paper Presentation

Production decisions, environmental impacts, and economic effects.

**Moderator:** Deepayan Debnath, University of Missouri

A Coupled Spatial Economic-Hydrological Model of Cropland Transitions and Environmental Impacts

**Wendong Zhang**, *The Ohio State University*; **Na Chen**, *The Ohio State University*; **Elena Irwin**, *The Ohio State University*; **Seyoum Gebremariam**, *The Ohio State University*; **Jay Martin**, *The Ohio State University*

Linking Farmers' Nutrient Management Choices with Downstream Environmental Quality

**Wendong Zhang**, *The Ohio State University*; **Elena Irwin**, *The Ohio State University*

Markets for Agricultural Greenhouse Gas Offsets: The Role of Payment Design on Abatement Efficiency

**Cloe Garnache**, *Michigan State University*; **Pierre Merel**, *University of California, Davis*; **Juhwan Lee**, *University of California, Davis*; **Johan Six**, *University of California, Davis*

### 2098 The Influence of Agriculture on Child Nutrition

*Greenway I, Second Level*

#### Selected Paper Presentation

This session regards the effect of agriculture on child nutrition discussing in particular the relationships between agricultural growth and subsidies on child malnutrition. Furthermore, work on child nutrition in a conflict environment is presented.

**Moderator:** Sean Cash, Tufts University

Longitudinal Analysis of Child Malnutrition Trends in Ghana

**Kara Ross**, *Kansas State University*; **Aleksan Shanoyan**, *Kansas State University*; **Yacob Zereyesus**, *Kansas State University*; **Vincent Amanor-Boadu**, *Kansas State University*

The Role of Agricultural Growth in Reducing Child Malnutrition

**Sébastien Mary**, *European Commission - Joint Research Centre - IPTS*; **Sergio Gomez Y Paloma**, *European Commission - Joint Research Centre - IPTS*

Market Access and Child Nutrition in a Conflict Environment

**Amelia Darrouzet-Nardi**, *Tufts University*; **William Masters**, *Tufts University*

### 2099 Market Power, Spatial Competition, and Climate Policy

*Greenway J, Second Level*

#### Selected Paper Presentation

Papers in this session examine the competitive and strategic interactions of firms in fertilizer, biofuels, and aluminum industries.

**Moderator:** David Davis, South Dakota State University

Mergers and Market Power in the US Nitrogen Fertilizer Industry

**Jacob Humber**, *University of California, Davis*

Spatial Competition and Economics of Biofuels from Corn Stover

**Juan Pablo Sesmero**, *Purdue University*; **Joseph Balagtas**, *Purdue University*

The Role of Market Scenarios on Farmers' Switchgrass Adoption Decisions -- An Agent Based Modeling Approach

**Haoyang Li**, *Michigan State University*; **Brent Ross**, *Michigan State University*

Climate Policy and Border Measures: The Case of the US Aluminum Industry

**Ian Sheldon**, *The Ohio State University*; **Steven McCorriston**, *University of Exeter Business School*

## Concurrent Sessions — Tuesday, 4:30 PM - 6:00 PM

### **2100** Contracts and Crop Commercialization in the Presence of Market Imperfections: Evidence from Sub-Saharan Africa *Greenway B, Second Level*

#### Selected Paper Presentation

This session includes research analyzing the effects of commercialization and input and output contracts on household welfare and production. Papers focus on the effects of contract farming on household food security in Madagascar, the role of risk on horticulture crop adoption and participation in export markets in Ghana, the welfare effects of maize commercialization in Kenya, and the effects of land titling in Ethiopia on households' contract choice.

**Moderator:** Kateryna Schroeder, University of Missouri

Smallholder Participation in Contract Farming and Food Security

**Lindsey Novak**, University of Minnesota; **Marc Bellemare**, University of Minnesota

Risk on Dynamic Behaviour of Farmers in the Export Market: A Case from the Pineapple Industry in Ghana

**Aya Suzuki**, University of Tokyo

Commercialization Effects on Household Income, Poverty, and Diversification: A Counterfactual Analysis of Maize Farmers in Kenya

**John Olwande**, Michigan State University; **Melinda Smale**, Michigan State University

Property Rights, Contracts, and Technology Adoption: Theory and Evidence

**Kassahun Melesse**, University of California, Davis

### **2101** Coping Strategies and Resiliency in Africa and Asia

*Lake Calhoun, Fourth Level*

#### Selected Paper Presentation

Papers in this session address challenges and issues associated with household resiliency in Africa and Asia. Household strategies and policies to address these challenges are discussed.

**Moderator:** Tulika Narayan, Abt Associates Inc.

Multidimensional Household Food Security Measurement in Rural Zambia

**Ayala Wineman**, Michigan State University

Non-Food Coping Strategies in Response to the World Food Price Crisis: Evidence from Education in India

**Sharad Tandon**, USDA-Economic Research Service

Estimating the Resiliency of Zambian Smallholder Farmers: Evidence from a Three-Wave Panel

**Anthony Murray**, USDA-Economic Research Service; **Bradford Mills**, Virginia Polytechnic Institute and State University

Food Price Subsidies and Nutrition: Evidence from State Reforms to India's Public Distribution System

**Prasad Krishnamurthy**, University of California, Berkeley; **Vikram Pathania**, London School of Economics; **Sharad Tandon**, USDA-Economic Research Service

### **2102** Costs of International Trade

*Skyway B, Second Level*

#### Selected Paper Presentation

In addition to firm performance both fixed and variable costs influence the decision to participate in trade. This session explores the role trade-specific costs in play in shaping the pattern of international trade.

**Moderator:** Harald Von Witzke, Humboldt University of Berlin

Misaligned Distance: Why Distance Can have a Positive Effect on Trade in Agricultural Products

**Heiko Dreyer**, University of Giessen

Trade Costs, Financial Constraints, and Firm Performance in Developing Countries

**Eric Tseng**, The Ohio State University

## Concurrent Sessions — Tuesday, 4:30 PM - 6:00 PM

### 2103 Conservation, Ecosystem Services, and Land Use

*St. Croix, Second Level*

#### Selected Paper Presentation

This session explores topics related to conservation, ecosystem services, and land use. Topics include tradeoffs between welfare and biodiversity objectives in urban open space protection, accounting for private benefits in ecological restoration targeting, the effects of conservation policies on residential development, and a hedonic approach for estimating natural capital values for agricultural land.

**Moderator:** Hillary Sackett, Westfield State University

Welfare and Biodiversity Tradeoffs in Urban Open Space Protection

**Laila Tajibaeva**, *University of Minnesota*; **Robert Haight**, *US Forest Service*; **Stephen Polasky**, *University of Minnesota*

Residential Development and the Effect of Competing Forest Conservation Policies

**Jeffrey Ferris**, *University of Maryland*; **David Newburn**, *University of Maryland*

Accounting for Private Benefits in Ecological Restoration Planning

**Maksym Polyakov**, *University of Western Australia*; **David Pannell**, *University of Western Australia*

Estimating a Natural Capital Account for Agricultural Land

**René Roy**, *McGill University*; **Paul Thomassin**, *McGill University*

### 2104 Productivity

*Minnehaha, Second Level*

#### Selected Paper Presentation

Papers in this session conduct measurement of productivity and identification of its driving factors on a range of activities.

**Moderator:** Terrance Hurley, University of Minnesota

Impact of Land Ownership on Productivity and Efficiency of Rice Farmers: A Simulated Maximum Likelihood Approach

**Krishna Koirala**, *Louisiana State University*; **Ashok Mishra**, *Louisiana State University*; **Samarendu Mohanty**, *International Rice Research Institute*

Deconstructing the Inverse Land Size-yield Relationship

**Simone Pieralli**, *University of Maryland*

Productivity and Efficiency of Southeastern US Meat Goat Farms

**Berdikul Qushim**, *Louisiana State University*; **Jeffrey Gillespie**, *Louisiana State University*; **Kenneth McMillin**, *Louisiana State University*

The Conventional-Organic Crop Yield Gap: Evidence from Farm-Level Data

**Timothy Delbridge**, *University of Minnesota*; **Robert King**, *University of Minnesota*

### 2105 Biofuels Policy Design and Price Effects

*Lake Superior B, Fifth Level*

#### Selected Paper Presentation

This session looks at biofuels from a variety of perspectives, ranging from compliance costs under the renewable fuel standard to consumer preferences and the effect on livestock production.

**Moderator:** Jeremy Weber, USDA-Economic Research Service

Consumer Preferences for Second-Generation Bioethanol

**Tongzhe Li**, *Washington State University*; **Jill McCluskey**, *Washington State University*

On the Dynamics of Price Discovery: Energy and Agricultural Markets with and without the Renewable Fuels Mandate

**Layla Shiva**, *Texas A&M University*; **David Bessler**, *Texas A&M University*; **Bruce McCarl**, *Texas A&M University*

Compliance Costs and RIN Prices under the Renewable Fuel Standard

**Gabriel Lade**, *University of California, Davis*; **C.-Y. Cynthia Lin**, *University of California, Davis*; **Aaron Smith**, *University of California, Davis*

Pricing RIN and Corn in a Competitive Storage Model

**Wei Zhou**, *Iowa State University*; **Bruce Babcock**, *Iowa State University*