

Concurrent Sessions Monday, 9:30 am–11:00 am

1001 Working Ecosystems: Challenges for Economic Research

Mezzanine Level, Harding

Organized Symposium

This session explores theoretical framing and empirical modeling challenges to economic research on working ecosystems, including 1) jointness in production and implications for incentive design to enhance of ecosystem service provision, 2) landscape-level optimization and valuation of ecosystem service provision, 3) incentives to foster collective action for production of landscape-level ecosystem services, and 4) challenges of modeling and incentive design when ecosystem service production functions display nonlinearities, such as non-convexities or discontinuities.

Organizer: Scott M. Swinton, Michigan State University

Panelists: Cloe Garnache, University of California, Davis; Ben Gramig, Purdue University; Leah M. Harris, Michigan State University; Robert J. Johnston, Clark University

1002 Jon Brandt Memorial Policy Forum and Guidelines for Evaluating Public Policy Proposals

Mezzanine Level, Hoover

Organized Symposium

An AAEA Special Purpose Fund has been established to support an annual Jon Brandt Memorial Policy Forum to honor Dr. Jon Brandt's many contributions to the profession through leadership of the AAEA, C-FARE, NAAEA, and Agricultural and Resource Economics at NC State, and service to the agricultural community at large. This session will honor Jon's many contributions to the profession and the agricultural policy community, and discuss the goal of the Memorial Policy forum. The symposium will also introduce the AAEA Senior Section sponsored Guidelines for Evaluating Food and Agriculture Public Policy Proposals. The Guidelines are designed to help young Congressional and agency staff analyze implications of policy proposals from various constituents and interest groups.

Organizers: Walter J. Armbruster, Farm Foundation (retired); Damona Doye, Oklahoma State University; Kenneth A. Foster, Purdue University; Barry K. Goodwin, North Carolina State University; David K. Lambert, Kansas State University; A. Gene Nelson, Texas A&M University

Moderator: Walter J. Armbruster, Farm Foundation (retired)

The Goals of the Jon Brandt Memorial Policy Forum

Damona Doye, Oklahoma State University

Jon Brandt's Contributions to the Profession and Agricultural Policy

Robert P. King, University of Minnesota; **Barry K. Goodwin**, North Carolina State University; **David K. Lambert**, Kansas State University

Guidelines for Evaluating Food and Agriculture Public Policy Proposals

Ronald D. Knutson, Texas A&M University

1003 USDA Supply and Demand Estimates for the Grain Sector: In Need of an Extreme Makeover?

Mezzanine Level, Wilson A

Organized Symposium

In the last five years considerable controversy has erupted about the accuracy and reliability of USDA supply and demand estimates in the grain sector. The purpose of this session is to present the results of recent research on the accuracy of USDA grain estimates as well as explore possible problems and improvements to the survey procedures used to generate the estimates.

Organizer: Scott H. Irwin, University of Illinois at Urbana-Champaign

Moderator: Scott H. Irwin, University of Illinois at Urbana-Champaign

Overview of USDA Grain Estimates

Joseph W. Glauber, USDA-Office of the Chief Economist

Crop Report Accuracy

Dwight R. Sanders, Southern Illinois University

Grain Stock Report Accuracy

Darrel L. Good, University of Illinois at Urbana-Champaign; **Scott H. Irwin**, University of Illinois at Urbana-Champaign

Price Reaction in Real-Time

Michael K. Adjemian, USDA-Economic Research Service



Concurrent Sessions Monday, 9:30 am–11:00 am

1004 Supply Channel Issues

Mezzanine Level, Wilson B

Selected Presentation

Issues involving segregation, agglomeration, supply and pricing in the supply change.

Moderator: Miao Wang, University of Illinois at Urbana-Champaign

An Empirical Comparison of Coffee Price Transmission

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

Economic Aspects of Segregation Between Gm and Non-Gm Crops Along the Food Supply Chain

Alessandro Varacca, Università Cattolica del Sacro Cuore; **Stefano Boccaletti**, Università Cattolica del Sacro Cuore; **Claudio Soregaroli**, Università Cattolica del Sacro Cuore

Agglomeration in Certified Organic Operations in the United States: Identification and Impact

Ioana I. Marasteanu, Pennsylvania State University

Industrial Agglomeration of Chinese Food Processing

Miao Wang, University of Illinois at Urbana-Champaign; **Peter D. Goldsmith**, University of Illinois at Urbana-Champaign

1005 Advertising and Consumer Demand

Mezzanine Level, Wilson C

Selected Presentation

Theoretical and empirical contributions exploring the impact of advertising in consumer demand.

Moderator: Andres Silva, French National Institute

Optimal Generic Advertising Under Bilateral Imperfect Competition Between Processors and Retailers

Chanjin Chung, Oklahoma State University; **Young Sook Eom**, Chonbuk National University; **Byungwoo Yang**, Oklahoma State University; **Sungill Han**, Konkuk University

The Impact of Social Media on Consumer Demand: The Case of Carbonated Soft Drink Market

Yizao Liu, University of Connecticut; **Rigoberto A. Lopez**, University of Connecticut

The Effect of Consumer Learning Behavior on the Rising Bottled Water Consumption

Lu Huang, University of Connecticut; **Yizao Liu**, University of Connecticut

Consequences of the Five-A-Day Campaign: Evidence from French Panel Data

Andres Silva, French National Institute; **Fabrice Etilé**, French National Institute; **Gaelle Jamet**, French National Institute



Concurrent Sessions Monday, 9:30 am–11:00 am

1006 Bias in Valuation Studies

Mezzanine Level, McKinley

Selected Presentation

The papers in this session examine various sources of bias in valuation studies using approaches ranging from experiments to meta-analysis.

Moderator: William J. Wheeler, US Environmental Protection Agency

Sources of Hypothetical Bias in Public Goods Experiments: A Disaggregated Approach

Julie Insignares Santos, University of Rhode Island; **Emi Uchida**, University of Rhode Island; **Stephen K. Swallow**, University of Connecticut; **Christopher M. Anderson**, University of Rhode Island

The Effect of Decision Rule and Response for mat on Hypothetical Bias in Contingent Valuation

Rebecca L. Moore, University of Georgia; **Patricia Ann Champ**, US Forest Service; **Gregory J. Colson**, University of Georgia

Automobile Fuel Economy: Under-Valued, Over-Valued, Or Both?

Molly Espey, Clemson University

Publication Bias in the Hedonic Wage Literature

William J. Wheeler, US Environmental Protection Agency; **Chris Dockins**, US Environmental Protection Agency

1007 Innovation and Consumers

Mezzanine Level, Balcony A

Selected Presentation

Innovations in food and agricultural markets are explored in a diverse set of empirical papers.

Moderator: Timothy J. Richards, Arizona State University

Consumers' Evaluation of Biotechnology in Food Products: New Evidence from a Meta-Survey

Sebastian Hess, Swedish University of Agricultural Sciences; **Carl Johan Lagerkvist**, Swedish University of Agricultural Sciences; **William Redekop**, Swedish University of Agricultural Sciences; **Ashkan Pakseresht**, Swedish University of Agricultural Sciences

A Comparative Analysis of Canadian Consumers' WTP for Novel Food Technologies (Case of Juice Produced By Nanotechnology & Pork Chops Using Genomic Information)

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

Incorporating Eye Tracking Technology and Conjoint Analysis to Better Understand the Green Industry Consumer

Benjamin L. Campbell, University of Connecticut; **Bridget Behe**, Michigan State University; **Charles Hall**, Texas A&M University; **Hayk Khachatryan**, University of Florida; **Jennifer H. Dennis**, Purdue University; **Chengyan Yue**, University of Minnesota

Patents as Options: Path Dependency and Patent Valuation

Timothy J. Richards, Arizona State University; **Bradley J. Rickard**, Cornell University

1008 Crop Insurance: Premium Rates, Payment and Support Policy

Lobby Level, Park 8209

Selected Presentation

Various topics related to risk and crop insurance. The presentations cover issues regarding premium rates, insurance payment, wealth, and insurance as a support policy.

Moderator: Scott R. Jeffrey, University of Alberta

The Effect of Climate on Crop Insurance Premium Rates and Producer Subsidies

Jesse B. Tack, Mississippi State University

BRM Payments and Risk Balancing: Potential Implications for Financial Riskiness of Canadian Farms

Florentina N. Uzea, Richard Ivey School of Business, University of Western Ontario; **Kenneth Poon**, University of Guelph; **David H. Sparling**, Richard Ivey School of Business; **Alfons Weersink**, University of Guelph

Farm Wealth Implications of Canadian Agricultural Business Risk Management Programs

Dawn E. Trautman, University of Alberta; **Scott R. Jeffrey**, University of Alberta; **James R. Unterschultz**, University of Alberta



Concurrent Sessions Monday, 9:30 am–11:00 am

1009 Food Security

Lobby Level, Park 8212

Selected Presentation

The first paper in this section evaluates the impact of total factor productivity on food security. The second paper looks at the effects of the exchange rate volatility for eight major rice trading countries. The third presentation examine price transmission during export restrictions. The section concludes by a paper evaluating food insecurity and food access in the United States.

Moderator: Adam N. Rabinowitz, University of Connecticut

Evaluating Agricultural Productivity's Impact on Food Security

Nicholas E. Rada, USDA-Economic Research Service; Jayson F. Beckman, USDA-Economic Research Service; Stacey Rosen, USDA-Economic Research Service

Modelling the Effects of Exchange Rate Volatility on Food Security

Harold G. Valera, International Rice Research Institute; Samarendu Mohanty, International Rice Research Institute; Valerien O. Pede, International Rice Research Institute; Mottaleb B. Khondoker, International Rice Research Institute; **Imelda R. Molina**, International Rice Research Institute

Export Restrictions and Market Uncertainty: Evidence from the Analysis of Price Volatility in the Ukrainian Wheat Market

Linde J. Goetz, Leibniz-Institute for Agricultural Development in Central and Eastern Europe; Kateryna Goychuk, University of Missouri; Thomas Glauben, IAMO; William H. Meyers, University of Missouri

A Modified Rapid Assessment Method for Assessing Community Food Security

Adam N. Rabinowitz, University of Connecticut; Jiff Martin, University of Connecticut

1010 Dietary Diversity, Functional Food, and Diet Quality

Lobby Level, Park 8216

Selected Presentation

In this session dietary diversity as well as the effect of age and cohorts on dietary quality are discussed. Furthermore, the preferences for enhanced food, dietary supplements and functional food are discussed.

Moderator: Yulian Ding

Dietary Diversity: An Endogenous Variety Approach

Jing Liu, Purdue University; Gerald E. Shively, Purdue University; James K. Binkley, Purdue University

The Effects of Age and Cohort on Dietary Quality

Timothy Beatty, University of Minnesota; Biing-Hwan Lin, USDA-Economic Research Service; Travis A. Smith, University of Minnesota

Functional Food Choices: Impacts of Trust and Control Beliefs

Yulian Ding, Southwestern University of Finance and Economics; Michele Veeman, University of Alberta; Wiktor L. Adamowicz, University of Alberta



Concurrent Sessions Monday, 9:30 am–11:00 am

1011 Social Networks and Learning in Agriculture in Developing Countries

Lobby Level, Park 8219

Selected Presentation

The role of social networks and peer influence in agricultural technology adoption constitutes an important line of research. These papers all examine different aspects of the ways in which social forces shape the adoption of agriculture practices in developing countries.

Moderator: Alan D. De Brauw, International Food Policy Research Institute

Spatial Effects in Organic Agriculture Adoption in Honduras: The Role of Social Conformity, Positive Externalities, and Information

Meike Wollni, University of Göttingen; **Camilla I M Andersson**, University of Göttingen

Leveling With Friends: Social Networks and Indian Farmers' Demand for Agricultural Custom Hire Services

Nicholas P. Magnan, University of Georgia; **David J. Spielman**, International Food Policy Research Institute; **Travis J. Lybbert**, University of California, Davis; **Kajal Gulati**, International Food Policy Research Institute

The Impact of Index-Based Insurance on Informal Risk-Sharing Networks

Matthieu Delpierre, Université Catholique de Louvain; **Stephen R. Boucher**, University of California, Davis

Biofortification, Crop Adoption and Health Information: Impact Pathways in Mozambique and Uganda

Alan D. De Brauw, International Food Policy Research Institute; **Daniel O. Gilligan**, International Food Policy Research Institute; **Patrick Eozenou**, World Bank; **Neha Kumar**, International Food Policy Research Institute; **J.V. Meenakshi**, International Food Policy Research Institute

1012 Issues in Development Economics

Lobby Level, Park 8226

Selected Presentation

Papers in this session explore how credit and savings mechanisms impact producers in developing countries. The effects of access to credit and savings mechanisms on poverty is considered. Policies on skills development are also considered.

Moderator: Eugenie Maiga, African Center for Economic Transformation

The Role of Credit and Savings in the Dynamics of Technology Decisions and Poverty Traps

Isaí Guízar-Mateos, The Ohio State University; **Mario J. Miranda**, The Ohio State University; **Claudio Gonzalez-Vega**, The Ohio State University

Disaster-Related Credit Supply Shocks and Economic Recovery

Benjamin L. Collier, University of Kentucky

Does Access to Finance Matter in Microenterprise Growth?: Evidence from Bangladesh

Shahidur R. Khandker, World Bank; **Hussain Samad**, World Bank; **Rubaba Ali**, University of Maryland

Gauging Countries Commitment to Skills Development for Economic Transformation

Eugenie Maiga, African Center for Economic Transformation

Concurrent Sessions Monday, 9:30 am–11:00 am

1013 Water and Agriculture

Lobby Level, Park 8228

Selected Presentation

This session contains papers that analyze water use in an agricultural context.

Moderator: Elizabeth Marshall, USDA-Economic Research Service

Structural Estimation of Demand for Irrigation Water Under Strategic Behavior

Juan Pablo Sesmero, *Purdue University*; **Karina Schoengold**, *University of Nebraska*

Water Use Efficiency in Small-Scale Irrigation Cooperative and Its Determinants from the Perspective of Social Capital Heterogeneity—The Case of Northwestern China

Xin Wang, *Northwest A&F University*; **Christopher S. McIntosh**, *University of Idaho*; **Philip S. Watson**, *University of Idaho*; **Qian Lu**, *Northwest A&F University*; **Hua Zhao Zhang**, *Auburn University*

Optimal Investment in Precision Irrigation Systems: A Dynamic Intraseasonal Approach

Erik Lichtenberg, *University of Maryland*

Climate Change Impacts on Agriculture in the US: Potential Constraints to Adaptation Due to Shifting Regional Water Balances

Elizabeth Marshall, *USDA-Economic Research Service*; **Marcel P. Aillery**, *USDA-Economic Research Service*; **Scott A. Malcolm**, *USDA-Economic Research Service*

1014 Agricultural Productivity, Biofuels, and Biotechnology

Lobby Level, Maryland A

Selected Presentation

This session examines current economic issues related to biofuels and biotechnology including uncertainty, technology adoption, and labeling.

Moderator: Daniel F. Mooney, University of Wisconsin

Optimizing Biofuels Production in An Uncertain Decision Environment

Jad R. Ziolkowska, *University of California, Berkeley*

Embodied-Technical Change of Farm Machinery in US Agricultural Productivity: What Does Hedonic Price Tell Us?

Sun Ling Wang, *USDA-Economic Research Service*; **David E. Schimmelpfennig**, *USDA-Economic Research Service*; **Virgil Eldon Ball**, *USDA-Economic Research Service*

Lessons from the California Gm Labeling Proposition on the State of Crop Biotechnology

David Zilberman, *University of California, Berkeley*; **Scott Kaplan**, *University of California, Berkeley*; **Eunice Mi Kim**, *University of California, Berkeley*; **Gina Waterfield**, *University of California, Berkeley*

What Drives the Early Adoption of Clean Agricultural Technologies? An Ex Ante Assessment of Sustainable Biofuel Production in Southwestern Wisconsin

Daniel F. Mooney, *University of Wisconsin*; **Bradford L. Barham**, *University of Wisconsin*

Concurrent Sessions Monday, 9:30 am–11:00 am

1015 Risk in Changing Landscapes: Climate Change, Transition to Organics, and Land Conversion

Lobby Level, Maryland B

Selected Presentation

A number of risks have been identified in relation to climate change, transitioning to organic production, and converting grasslands to cropland. Examining the risk in changing landscapes is the theme underlying these presentations.

Moderator: David A. Hennessy, Iowa State University

Optimal Path for Global Land Use Under Climate Change Uncertainty

Jevgenijs Steinbuks, Purdue University; Yongyang Cai, Stanford University; Joshua W. Elliott, University of Chicago; Thomas W. Hertel, Purdue University; Kenneth L. Judd, Stanford University

Threshold Effects in Transition to Organic Dairy Production

Timothy A. Delbridge, University of Minnesota

An Assessment of the Canadian Federal-Provincial Crop Production Insurance Program Under Future Climate Change Scenarios in Ontario

Shuang Li, University of Guelph; Alan P. Ker, University of Guelph

Native Grassland Conversion: The Roles of Risk Intervention and Switching Costs

David A. Hennessy, Iowa State University; Hongli Feng, Iowa State University; Ruiqing Miao, University of Illinois at Urbana-Champaign

1016 Production Aspects of Livestock Industry

Lobby Level, Maryland C

Selected Presentation

The livestock industry makes a significant contribution to the US economy. This session covers its various production aspects, including decisions on herd size and exit strategies as well as farm productivity among dairy farmers, the impact of quota on dairy production among efficient dairy farmers, and production technological changes in the US dairy product industry. This session also offers an analysis of how the choice of empirical approaches affects production efficiency estimates in beef cattle.

Moderator: Wei Zhang, University of California, Davis

Size, Productivity and Exit Decisions in Dairy Farms

Fengxia Dong, University of Wisconsin; David A. Hennessy, Iowa State University; Helen H. Jensen, Iowa State University

An Evaluation of Alternate Feed Efficiency Estimates in Beef Cattle

Ellen W. Goddard, University of Alberta; Sandeep Mohapatra, University of Alberta; John Basarab, Alberta Agriculture and Rural Development;

Albert K. Boaitay, University of Alberta; Jennifer Aalhus, Alberta Agriculture and Rural Development; Vernon Baron, University of Alberta

Do Efficient Dairy Producers Purchase Quota?

Rebecca Elskamp, University of Guelph; Getu W. Hailu, University of Guelph

Factor Substitution and Technical Change in the US Dairy Manufacturing Industry

Wei Zhang, University of California, Davis; Julian M. Alston, University of California, Davis

Concurrent Sessions Monday, 9:30 am–11:00 am

1017 Attitudes and Water and Conservation Practice Adoption

Lobby Level, Virginia A

Selected Presentation

This session considers the determinants of producers' adoption of best management practices for improved water quality and biodiversity conservation and consumer acceptance of price versus non price rationing of water in Ogallala aquifer.

Moderator: Gregory E. Howard, The Ohio State University

Forecasting the Public's Acceptability of Municipal Water Regulation and Price Rationing for Communities on the Ogallala Aquifer

Jeffrey Edwards, North Carolina Agricultural and Technical State University; Tara Wade, North Carolina Agricultural and Technical State University; Mark Burkey, North Carolina Agricultural and Technical State University; R. Gary Pumphrey, Angelo State University

Farmers' Preferences Towards Biodiversity Conservation Contracts

Maria L. Loureiro, University of Santiago de Compostela; Maria Alló, University of Santiago de Compostela; Eva Iglesias, Technical University of Madrid

A Latent Class Analysis of Farmer Preferences Regarding Filter Strip Programs

Gregory E. Howard, The Ohio State University; Brian E. Roe, The Ohio State University

1018 How to Apply for a Career or Graduate School

Lobby Level, Virginia B

GSS Section Track Session

The time for your next step in life is approaching. You are likely asking yourself, should I apply for a career in academia, or industry, or should I gain a competitive advantage by going to graduate school? No matter the answer to this question, this track session will assist you in your next step in life.

Organizer: Brandon R. McFadden, Oklahoma State University

Panelists: James M. MacDonald, USDA-Economic Research Service; Donald J. Malone, III, Oklahoma State University; Glynn T. Tonsor, Kansas State University



Concurrent Sessions Monday, 9:30 am–11:00 am

1019 Whither Global Food Prices?

Lobby Level, Virginia C

International Section Track Session

Recent surges in commodity prices have caused widespread speculation that real commodity prices will continue to rise over the coming decades. This stands in sharp contrast to the long run trend in agricultural prices since the end of WWII. This session will shed light on this debate by bringing to bear rigorous analyses by three teams of economists using three different analytical frameworks. In the first paper, Westhoff and Thompson argue that those predicting continuing price rises suffer from a misplaced focus on a subset of the underlying drivers, including: weather, growth in emerging markets, energy prices and government policies. By way of contrast, they will identify other factors, such as demographics, that are likely to drive long-term food price trends, demonstrating that even modest differences in assumptions about these factors -- each of which is difficult to project with confidence -- can lead to very different conclusions. Baldos and Hertel will explicitly decompose the relative contributions to crop prices, over the past 50 years, of growth in population, income, total factor productivity for crops, livestock and food processing, and biofuels. They will then use uncertain future projections of these underlying drivers, along with projected climate change impacts, in order to determine the likelihood of crop prices rising over the next 50 years. In the third paper, Mark Rosegrant will use the IMPACT model to project long run changes in food prices, factoring in not only climate change, but also water availability and investments in research and development, as well as infrastructure in developing countries. He will argue that we are indeed in a new era of rising long run crop prices unless there are significant increases in R&D investments in the next few decades.

Organizers: Thomas W. Hertel, Purdue University; Wyatt W. Thompson, University of Missouri

Moderator: Thomas W. Hertel, Purdue University

Discussants: William J. Martin, World Bank; William H. Meyers, University of Missouri

What Will it Take to Get Real Crop Prices to Rise?

*Patrick C. Westhoff, University of Missouri; **Wyatt W. Thompson**, University of Missouri*

Understanding the Drivers Behind Long Run Food Price Trends: Looking Back to See the Future

***Uri Lantz C. Baldos**, Purdue University; Thomas W. Hertel, Purdue University*

Long Run Projections of World Food Prices Using the Impact Framework

***Mark W. Rosegrant**, International Food Policy Research Institute*

1020 China's Food Safety and Standard of Living

Mezzanine Level, Taft

China Section Track Session

Food safety in China has raised considerable amount of attention worldwide in recent years. Food safety is not only related to domestic food consumption, it has implications on international trade. A closely related topic is the overall standard of living in China as the country is experiencing drastic social and economic changes.

Organizer: Wuyang Hu, University of Kentucky

Moderator: David Abler, Pennsylvania State University, By The Numbers

What Can We Do to Ensure Food Safety of Raw Milk in China?

***Hailong Yu**, China Agricultural University; Hong Holly Wang, Purdue University; Binglong Li, China Agricultural University*

The Impact of Food Safety Third-Party Certifications on China's Food Exports to the United States

***Yuqing Zheng**, Research Triangle Institute International; Mary K. Muth, Research Triangle Institute International; Jenna Brophy, Research Triangle Institute International*

An Analysis of Rural Household Consumption in China

***Tao Tan**, Nanjing Agricultural University; Wuyang Hu, University of Kentucky*

Does Chinese Inflation Understate Chinese Cost of Living?

***Jonathan Aaron Cook**, USDA-Economic Research Service; Fred Gale, USDA-Economic Research Service*



Concurrent Sessions Monday, 9:30 am–11:00 am

1021 Entrepreneurship and Marketing in the Wine Industry

Mezzanine Level, Johnson

AEM and FAMPS Track Session

In the last decade we have observed the establishment of a growing number of small- and medium-sized wineries in a variety of regions and climates. As a result of this entrepreneurial activity, wine clusters are emerging in non-traditional locations. These emerging wine clusters have the potential to become vectors of rural development as they foster the growth of related industries. The manuscripts in this track session will explore issues related to entrepreneurship and marketing in the wine industry, with emphasis on emerging wine regions. The session will cover a wide range of topics, including: factors influencing distribution channel choices; evolution of wine cooperatives in terms of institutional environment, internal governance, and implications for their performance; links of emerging wine clusters to the hospitality and tourism industries; inter-firm collaboration and collective action strategies fostering cluster development; and legitimacy challenges for emerging wine regions as their wines are little known by distributors and consumers. Together, the manuscripts in this session will shed light of the formidable challenges that emerging wine regions should overcome in order to succeed. The papers will also suggest a future research agenda focusing on this growing agribusiness segment.

Organizer: Miguel I. Gomez, Cornell University

Moderator: Jill J. McCluskey, Washington State University

Distribution Channel Choice of Start-Up Wineries in Cool Climate Regions

Miguel I. Gomez, Cornell University; **Lin Sun**, Cornell University; **Fabio R. Chaddad**, University of Missouri; **Robert Brent Ross**, Michigan State University

Challenges Facing New Business Ventures: A Legitimacy Approach

Robert Brent Ross, Michigan State University; **Fabio R. Chaddad**, University of Missouri; **Miguel I. Gomez**, Cornell University

Linking Wine Consumers to the Consumption of Local Wines and Winery Visits in the Northern Appalachian States

Lia Nogueira, University of Kentucky; **Timothy A. Woods**, University of Kentucky; **Shang-Ho Yang**, University of Kentucky

The Evolution, Position and Performance of Cooperatives in the European Union's Wine Industry

Constantine N. Iliopoulos, Agricultural Economics Research Institute; **Irini Theodorakopoulou**, Agricultural Economics Research Institute

1022 Washington Policy Update from Economists from the House and Senate Agriculture Committees

Lobby Level, Salon 3

Extension Section/Beltway Track Session

Congress deals with a broad range of policy issues - from long-standing, agricultural specific issues such as commodity, conservation, and trade programs, to newer, cross-cutting issues such as energy and climate change. The presenters will provide their perspectives on policy issues affecting agriculture based on their perspectives on farm bill development. They will also seek comments and insights on issues from session attendees.

Organizer: Steven L. Klose, Texas A&M University

Discussant: Joy L. Harwood, USDA-Farm Service Agency

Perspective from the House Majority

Bart L. Fischer, US House of Representatives

Perspective from the Senate Majority

Joe Shultz, Senate Committee on Agriculture, Nutrition & Forestry

Concurrent Sessions Monday, 9:30 am–11:00 am

1023 Quantifying the Economic Impacts of Local and Regional Food Systems

Lobby Level, Delaware B

Invited Paper

This series of papers will utilize case studies to demonstrate ways and methods to begin to build a framework for estimating the economic impacts of local and regional food systems.

Organizer: Todd M. Schmit, Cornell University

Moderator: Todd M. Schmit, Cornell University

Discussant: Sarah A. Low, USDA-Economic Research Service

Local Food Systems as Drivers of Community Economic Development Policy: Metrics, Methods and Implications for Applied Economists

David S. Conner, *University of Vermont*

Local Producers' Production Functions and Their Importance in Estimating Economic Impacts

Todd M. Schmit, *Cornell University*; **Becca Jablonski**, *Cornell University*

Exploring the 'Local' Impacts of New Value Chain Models: How Does More Localized Procurement of Processing the Value-Added Ingredients Impact Local Economies?

Allison Gunter, *Colorado State University*; **Eyosiyas L. Tegegne**, *Oklahoma State University*

1024 Local Governance, Tax Expenditures, Jurisdictional Spillover, and Community Growth

Lobby Level, Nathan Hale

CRENET Track Session

As the US economy continues to recover from the worst recession since the Great Depression, state and local governments find themselves responding to a multitude of concerns, including assessing the efficacy of incentive programs, conducting cost / benefit analysis of various tax expenditures, and determining the implications of inter-governmental competition. These are persistent issues with which local and state governments are struggling to adapt on multiple fronts. This session examines these issues while fostering a larger discussion on the appropriate role of government in the post-great recession era.

Organizer: Dayton M. Lambert, University of Tennessee

Moderator: Dayton M. Lambert, University of Tennessee

Do Incentive Programs Cause Communities to Grow Faster?

David W. Shideler, *Oklahoma State University*; **Brian E. Whitacre**, *Oklahoma State University*

Jurisdictional Spillovers and Decentralized Local Governments

Judith I. Stallmann, *University of Missouri*

A Proposed System for Review and Evaluation of State Tax Expenditures

Laura T. Kalambokidis, *University of Minnesota*

Fiscal Health Revisited: Evaluating County Government Finances as Local Government Vulnerabilities Increase

James M. Fannin, *Louisiana State University*; **Joshua D. Detre**, *Louisiana State University*



Concurrent Sessions Monday, 9:30 am–11:00 am

1025 New and Emerging Issues in Resource Economics

Lobby Level, Delaware A

CAES Organized Symposium

Structured around TED-style conference sessions, this Organized Symposium will bring together leading and emerging thinkers who explore questions related to resource economics. Speakers will focus on emerging research questions and methods in their respective fields. The dialogue is intended to stimulate new thinking and thinkers in the discipline. No discussants will be used; rather discussion will rely on the audience to participate through Q&A.

Moderator: Chad D. Lawley, University of Manitoba

Exploring Pathways to Property on the Road to Rural Development

Brady James Deaton, Jr., *University of Guelph*

From Exxon to Bp: Has Some Number Become Better Than No Number?

Catherine Kling, *Iowa State University*

Advances in Spatial Econometrics: Implications for Resource Economics

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

Epi-Economics: Bioeconomic Modeling of Endogenous Epidemiological Risks

Richard D. Horan, *Michigan State University*



Concurrent Sessions Monday, 1:00 pm–2:30 pm

1026 Crop Insurance in the Emerging Budget and Policy Environment

Mezzanine Level, Harding

Organized Symposium

Crop insurance is now the central player in farm risk management. With all farm support programs facing tight budget constraints, alternative programs are under examination to reduce spending, simplify programs, and eliminate redundancy. This discussion will provide industry, government and academic perspectives on how crop insurance will be affected by the new Farm Bill and the long-run implications of increasingly tight Federal budgets and recent and potential policy changes.

Organizer: Laurence M. Crane, National Crop Insurance Services

Moderator: Keith J. Collins, National Crop Insurance Services

Panelists: Dwight K. Lanclos, USDA-Risk Management Agency; Joe L. Outlaw, Texas A&M University; Thomas P. Zacharias, National Crop Insurance Services

1027 Food Inflation and Retail Price Dynamics: Evidence from the EU

Mezzanine Level, Hoover

EAAE Organized Symposium

This session focuses on the recent experiences across EU Member States on food price inflation and draws principally on on-going research on the FP7 project “Transparency of Food Prices”. The background to this issue is that, following the commodity crisis of 2007–2008, and the subsequent spike in 2011, the retail food inflationary experience varied considerably across the EU. Given that the EU countries are subject to a range of common policies and a (supposedly) integrated ‘single market’, the differences in the experiences of food price behaviour at the retail stage gave rise to significant concern for policymakers at the national and EU levels. The “Transparency of Food Prices” project addresses the potential causes for these differences and does so from a number of different perspectives. The proposed EAAE session provides an update on the research on price dynamics across the EU from both a theoretical and empirical perspective. Not only is it anticipated that the research will provide policy insights at the EU level but also, given the innovative nature of the research programme, also have wider implications for addressing food inflation and retail price dynamics in a number of other settings.

The focus of the panel discussion will relate to a number of inter-related research themes that address the overall session title. These are the following:

- (i) What are the factors that drive food price inflation and why should it vary across EU countries?
- (ii) What factors determine the price transmission experience across EU member states and across commodity sectors?
- (iii) What aspects of market failure can impact on the price transmission effect?
- (iv) What insights come from the use of scanner data in understanding retail price dynamics?
- (v) What are the emerging policy insights that arise from this research programme?

Organizer: Steven McCorriston, University of Exeter

Discussant: Barry K. Goodwin, North Carolina State University

Panelist: Stephan Von Cramon, University of Göttingen

What Are the Factors That Drive Food Price Inflation and Why Should it Vary Across EU Countries?

Steven McCorriston, University of Exeter; **Tim Lloyd**, University of Nottingham

What Factors Determine the Price Transmission Experience Across EU Member States and Across Commodity Sectors?

Teresa Serra, CREDA-UPC-IRTA; **Jose M. Gil**, CREDA-UPC-IRTA

What Aspects of Market Failure Can Impact on the Price Transmission Effect?

Johan F. M. Swinnen, University of Leuven; **Anneleen Vandenplas**, Leuven

What Insights Come From the Use of Scanner Data in Understanding Retail Price Dynamics?

Paolo Sckokai, Università Cattolica



Concurrent Sessions Monday, 1:00 pm–2:30 pm

1028 Buy Local – Federal and State Level Policies and Incentive Programs

Mezzanine Level, Wilson A

Organized Symposium

This session will provide an interactive discussion among government officials, researchers, and extension educators to discuss various laws and policies that have direct impacts on buying local.

Organizer: Chyi-Lyi (Kathleen) Liang, University of Vermont

Panelists: Matthew Benson, Virginia Polytechnic Institute and State University; Kathryn A. Boys, Virginia Polytechnic Institute and State University; Paul Dunn, University of Louisiana at Monroe; Kimberly L. Morgan, Mississippi State University

1029 Production Economics

Mezzanine Level, Wilson B

Selected Presentation

Various production related topics are evaluated in this session.

Moderator: Michael Brady, Washington State University

Economic Impact of Sugar Enhancement Technology on Sugar-Beet-Based Ethanol Production
Thein A. Maung, North Dakota State University; David Ripplinger, North Dakota State University

Stored-Grain Insect Control Costs in Varying Climates and Levels of Insect's Phosphine Resistance
John T. Mann, II, North Central Regional Center for Rural Development; Brian D. Adam, Oklahoma State University; Frank H. Arthur, USDA-Agricultural Research Service

The Economics of Spatial Configurations: Disease-Resistant Vineyards
Shadi S. Atallah, Cornell University; Miguel I. Gomez, Cornell University; Jon M. Conrad, Cornell University; Jan P. Nyrop, Cornell University

Do Changes in Orchard Supply Occur at the Intensive Or Extensive Margin of the Landowner?
Michael Brady, Washington State University; Thomas L. Marsh, Washington State University

1030 Health and Food Choices

Mezzanine Level, Wilson C

Selected Presentation

The papers in this section explore linkages between food consumption, health and nutrition.

Moderator: Jing Li, Pennsylvania State University

By Ounce or By Calorie? The Differential Effects of Alternative Sugar-Sweetened Beverage Tax Strategies
Chen Zhen, Research Triangle Institute International

The Impact of Taxes on Quantity and Quality Beverage in France
Andres Silva, French National Institute; Fabrice Etilé, French National Institute; Christine Boizot-Szantai, The French National Institute for Agricultural Research; Senarath Dharmasena, Texas A&M University

The Size vs Health Trade-Off in Lower-Income Households' Food Choices: The Case of Fluid Milk
Alessandro Bonanno, Wageningen University; Lauren Chenaride, Pennsylvania State University; Richard J. Volpe, III, USDA-Economic Research Service

Health-Related Product Attributes and Consumer Purchasing Behavior: An Application to Ready-to-Eat Breakfast Cereal Market
Edward C. Jaenicke, Pennsylvania State University; **Jing Li**, Pennsylvania State University



Concurrent Sessions Monday, 1:00 pm–2:30 pm

1031 Demand for Recreation and Ecosystem Amenities

Mezzanine Level, McKinley

Selected Presentation

The papers in this session examine various aspects of the demand for ecosystem services and amenities supplied by parks and open spaces.

Moderator: Mohammad Mainul Hoque, Iowa State University

Modeling Long Overnight Trips By Chaining Recreation Sites

Min Chen, Michigan State University; **Frank Lupi**, Michigan State University; **Michael D. Kaplowitz**, Michigan State University; **Scott A. Weicksel**, Michigan State University

Consequential Cash Choice Experiments: Provision Rules and Decision Support for Restoration of NROC's Ecosystem

Achyut Kafle, University of Rhode Island; **Stephen K. Swallow**, University of Connecticut

A Meta-Analysis and Repeat Sales Approach to Decomposing Local Park Attributes

Allen Klaiber, The Ohio State University; **Mitchell Livy**, The Ohio State University

Is Outdoor Recreation Recession-Proof? An Empirical Investigation on Iowan's Lake Recreation Behavior During 2009 Recession

Mohammad Mainul Hoque, Iowa State University; **Catherine Kling**, Iowa State University; **Joseph A. Herriges**, Iowa State University

1032 Empirical Research on Stakeholder Implications in Markets

Mezzanine Level, Balcony A

Selected Presentation

A diverse set of papers on how various stakeholders are affected by changes in market structure and dynamics.

Moderator: Mary Lubungu, Indaba Agricultural Policy Research Institute

Marketing Cooperatives' Equity Sources: An Empirical Study

Nikos Kalogeras, Maastricht University; **Joost M. E. Pennings**, Maastricht University, Wageningen University

The Role of Price Information in Agricultural Markets: Experimental Evidence from Rural Peru

Eduardo A. Nakasone, International Food Policy Research Institute, University of Maryland

Consumers' Willingness to Pay for Cool Sugar: Do Countries and Regions Matter When Purchasing Sugar?

Karen E. Lewis, Arizona State University; **Carola Grebitus**, Arizona State University

Welfare Effects of Smallholder Farmers Participation in Livestock Markets in Zambia

Mary Lubungu, Indaba Agricultural Policy Research Institute

1033 Fertilizer Use and Policy

Lobby Level, Park 8209

Selected Presentation

This session is dedicated to fertilizer use and policy in Africa.

Moderator: Nicole M. Mason, Michigan State University

Fertilizer Subsidy, Political Influence and Local Food Price in Sub-Saharan Africa: Evidence from Nigeria

Hiroyuki Takeshima, International Food Policy Research Institute; **Saweda Liverpool-Tasie**, Michigan State University

What Are the Effects of Input Subsidy Programs on Equilibrium Maize Prices? Evidence from Malawi and Zambia

Jacob Ricker-Gilbert, Purdue University; **Nicole M. Mason**, Michigan State University; **Thomas S. Jayne**, Michigan State University; **Francis A. Darko**, Purdue University; **Solomon Tembo**, Indaba Agricultural Policy Research Institute

Fertilizer Subsidies and Voting Behavior: Political Economy Dimensions of Input Subsidy Programs

Nicole M. Mason, Michigan State University; **Thomas S. Jayne**, Michigan State University; **Nicolas Van De Walle**, Cornell University

Concurrent Sessions Monday, 1:00 pm–2:30 pm

1034 On the Impacts of Biofuel Policy

Lobby Level, Park 8212

Selected Presentation

These presentations offer perspective on the impacts of biofuel policy in the United States. The first presentation look into the impact of suspending ethanol mandates. The second presentation provides a meta-analysis of ethanol policy on corn prices. The last two presentation show evidence of the effect of biofuel policy on land use.

Moderator: Alfons Weersink, University of Guelph

Conditional Suspension of the US Ethanol Mandate Using Threshold Price Inside a Competitive Storage Model

Anh Nam Tran, North Carolina State University; **Michael James Roberts**, University of Hawaii at Manoa

Impacts of Ethanol Policy on Corn Prices: A Review and Meta-Analysis of Recent Evidence

Heather Klemick, US Environmental Protection Agency, **Ann Wolverton**, US Environmental Protection Agency

Sustainable Biofuels, Marginal Agricultural Lands, and Farm Supply Response: Micro-Evidence for Southwest Wisconsin

Daniel F. Mooney, University of Wisconsin; **Bradford L. Barham**, University of Wisconsin; **Chang Lian**, University of Wisconsin

Cultivated Land Expansion and the Impacts of Biofuel Development on Global Agricultural Markets

Jikun Huang, Chinese Academy of Sciences; **Jun Yang**, Chinese Academy of Sciences; **Siwa M. Msangi**, International Food Policy Research Institute; **Scott D. Rozelle**, Stanford University; **Alfons Weersink**, University of Guelph

1035 Technology Adoption and Return to Education

Lobby Level, Park 8216

Selected Presentation

Presentations examine the influencing factors in adopting and implementing new technologies and the role of education in job seeking and earnings.

Moderator: Elton Mykerezi, University of Minnesota

Impact of Earned and Unearned Off-Farm Income on Adoption of New Technologies

Haluk Gedikoglu, Lincoln University; **Joseph L. Parcell**, University of Missouri

Considering Stakeholders When Implementing New Technologies

Ronald B. Larson, Western Michigan University; **Anna K. Brown**, Western Michigan University

Gender Preference in Academic Hiring: Evidence from a Two-Sided Matching Model

Peter Slade, University of Guelph

On the Economic Returns to a College Degree in Agriculture: What Do We Know?

Gentian Kostandini, University of Georgia; **Elton Mykerezi**, University of Minnesota; **Kristine Lamm West**, St. Catherine University



Concurrent Sessions Monday, 1:00 pm–2:30 pm

1036 Dealing with the Weather

Lobby Level, Park 8219

Selected Presentation

Climate variability and weather related shocks are increasingly observed in developing countries. Papers in this session focus on how smallholders are adapting to weather-related shocks.

Moderator: Jeremy Foltz, University of Wisconsin

The Impact of Microinsurance on Asset Accumulation and Human Capital Investments: Evidence from a Drought in Kenya

Sarah A. Janzen, University of California, Davis; **Michael R. Carter**, University of California, Davis

How Do African Households Adapt to Climate Change? Evidence from Malawi

Aaron M. Cook, Purdue University; **Jacob Ricker-Gilbert**, Purdue University; **Juan Pablo Sesmero**, Purdue University

The Impacts of Climate Change on Corn and Soybean Yields in China

Shuai Chen, Peking University; **Xiaoguang Chen**, Southwestern University of Finance and Economics; **Jintao Xu**, Peking University

Weather and Welfare in Ethiopia

Jeremy D. Foltz, University of Wisconsin; **Jared Gars**, University of Wisconsin

1037 Exploring Intersection of International Trade and Our Environment

Lobby Level, Park 8226

Selected Presentation

It is increasingly recognized that holistic assessments of the impacts of international trade, must include consideration of environmental and resource effects. This session offers a series of case studies which examine how regulation, outbreaks, and resource scarcity and quality can be integrated into trade analysis.

Moderator: Jingbo Cui, Iowa State University

Pollution Haven Effect With Heterogeneous Firms

Hongliang Zhang, Oregon State University

Did the December 2003 US Bse-Outbreak Impact EU-27'S Red Meat Exports?

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

Water Scarcity and International Agricultural Trade

Jing Liu, Purdue University; **Farzad Taheripour**, Purdue University; **Thomas W. Hertel**, Purdue University; **Tingju Zhu**, International Food Policy Research Institute; **Claudia Ringler**, International Food Policy Research Institute

The Effects of Exports on Facility Environmental Performance: Evidence from a Matching Approach

Jingbo Cui, Iowa State University; **Hang Qian**, Iowa State University

1038 Water Issues

Lobby Level, Park 8228

Selected Presentation

This session contains papers pertaining to facets of water economics. Topics include groundwater use and drinking water quality.

Moderator: Matthew Harding, Stanford University

Predicting Groundwater Trade Participation

Elizabeth M. Juchems, University of Nebraska; **Karina Schoengold**, University of Nebraska

Spatial Externalities in Aquifers With Varying Thickness: Theory and Numerical Results for the Ogallala Aquifer

Jeffrey M. Peterson, Kansas State University; **Alexander E. Saak**, International Food Policy Research Institute

Estimating Production Inefficiency of Alternative Cost-Sharing Arrangements: A Case Study in Groundwater Pumping Decisions

Shanxia Sun, Purdue University; **Juan Pablo Sesmero**, Purdue University; **Karina Schoengold**, University of Nebraska

The Impact of Drinking Water Violations on Perinatal Health

Matthew Harding, Stanford University

Concurrent Sessions Monday, 1:00 pm–2:30 pm

1039 The Economics of Fisheries and Aquatic Invasive Species

Lobby Level, Maryland A

Selected Presentation

Externalities, invasive species, and sustainable fisheries management are modeled.

Moderator: Nikolaos Mykoniatis, Pennsylvania State University

On Valuing Positive Externalities

Ekaterina A. Vorotnikova, University of Florida; **Andrew Schmitz**, University of Florida

Sustainable Bioeconomic Modeling of Fishery: The Case of the Chesapeake Bay Blue Crab Fishery

Pei Huang; **Richard T. Woodward**, Texas A&M University; **Michael Wilberg**, University of Maryland; **David Tomberlin**, National Oceanic and Atmospheric Administration

Spatial-Dynamic Externalities and Coordination in Invasive Species Control

Yanxu Liu, Utah State University; **Charles Sims**,

Evaluating Habitat-Fishery Interactions: The Case of Submerged Aquatic Vegetation and Blue Crab Fishery in the Chesapeake Bay

Nikolaos Mykoniatis, Pennsylvania State University; **Richard C. Ready**, Pennsylvania State University

1040 The Roles of Behavior, Perceptions, and Information in Risk Assessment and Crop Insurance

Lobby Level, Maryland B

Selected Presentation

Presentations in this session focus on producer perceptions of price and yield risk and behavior in regards to this risk. The information available in assessing risk varies among commodities and countries and is especially relevant when evaluating crop insurance decisions.

Moderator: Hongli Feng, Iowa State University

Can Expert Knowledge Compensate Data Scarcity in Crop Insurance Pricing?

Zhiwei Shen, Humboldt University of Berlin; **Martin Odening**, Humboldt University of Berlin; **Ostap Okhrin**, Humboldt University of Berlin

Political Economy of Crop Insurance Risk Subsidies Under Imperfect Information

Harun Bulut, National Crop Insurance Services; **Keith J. Collins**, National Crop Insurance Services

An Analysis of Farmers' Optimal Behavior in Crop Insurance Choices

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

1041 Spatial Analysis and Rural Issues

Lobby Level, Maryland C

Selected Presentation

The papers in this session utilize spatial techniques to evaluate rural issues associated with migration, employment, development, and poverty.

Moderator: Boniface Ngah Epo, University of Yaounde

A Spatial Analysis of the Role of Residential Real Estate Investment in the Economic Development of the Northeast Region of the United States

Praveena R. Jayaraman, Graduate Student, West Virginia University; **Tesfa G. Gebremedhin**, West Virginia University; **Donald J. Lacombe**, West Virginia University

Determinants of Firm Relocation—A Study of Agri-Food Processors

Vanessa Persillet, French National Institute, LERECO; **J. Scott Shonkwiler**, University of Georgia

Implications of Farm-Nonfarm Population Shifts for Household Poverty Changes in Cameroon

Boniface Ngah Epo, University of Yaounde



Concurrent Sessions Monday, 1:00 pm–2:30 pm

1042 Data Analytic Methods for Experimental Auctions: A Learning Session

Lobby Level, Virginia A

Econometrics Section Track Session

This learning session will cover data analytic methods applied to willingness-to-pay bids from experimental auctions, in which people bid to buy real products using real money in a setting employing rules that provide incentives for people to truthfully reveal their value for each product up for auction. A brief introduction to experimental auction markets is presented, and the usefulness of the data from the approach is illustrated by showing how bids can be used to address a host of questions that arise in new product development and policy research. Using a real data set and code, the session will walk through examples of how to make market share predictions, calculate demand elasticities, and determine optimal pricing. Econometric models such as the tobit and the double hurdle model will be fit to the data to illustrate how to analyze determinants of willingness to pay. Time permitting, the session will also illustrate how to apply other methods such as perceptual mapping, factor analysis, and cluster analysis to experimental auction data. Participants should bring their laptop and have R downloaded on it.

Organizer: Alan P. Ker, University of Guelph

Presenter: Jayson L. Lusk, Oklahoma State University

1043 Increasing Information Literacy for Agricultural Economics and Agribusiness Undergraduate Students

Lobby Level, Virginia B

TLC Section Track Session

This track session will highlight a team approach at three universities to increase the information literacy for undergraduate agricultural economics and agribusiness students as a result of partnerships between ag econ faculty and library faculty. From Cal Poly three presenters, the department Chair, and a faculty member from ag econ and the library will report on their programs and results. Purdue University and University of North Carolina – Asheville will also be represented by faculty from ag econ and the libraries. The reported collaborations have been shown to increase information literacy among the students as well as sparked the development of manuscripts for submission to professional journals. The session moderator will lead discussion encouraging the audience to ask questions, share their experiences and explore new approaches to enhance student learning.

Organizers: Joan R. Fulton, Purdue University; Lynn L. Hamilton, California Polytechnic State University, San Luis Obispo

Moderator: Octavio A. Ramirez, University of Georgia

Presenters: Joan R. Fulton, Purdue University; Lynn L. Hamilton, California Polytechnic State University, San Luis Obispo; Leah Greden Mathews, University of North Carolina at Asheville; Jay E. Noel, California Polytechnic State University, San Luis Obispo; Katherine O'Clair, California Polytechnic State University, San Luis Obispo

Concurrent Sessions Monday, 1:00 pm–2:30 pm

1044 Risk, Risk Perception and Behavior

Mezzanine Level, Taft

ARA and IBES Section Track Session

The study of risk behavior has played a central role in the empirical development of agricultural and resource economics. This is largely due to the risky nature of agricultural yields and similar properties among managed resources, making an understanding of risk behavior essential in modeling such pursuits. At the same time, risk and information have also played the lead role in the development of behavioral economics. However, this has occurred due to the many clear ways in which individual behavior appears to deviate from classical rational assumptions. Within this session, we will examine the important implications of behavioral modeling for both risk behavior and management.

Organizer: Travis J. Lybbert, University of California, Davis

Moderator: David R. Just, Cornell University

Discussant: David R. Just, Cornell University

The Roles of Risk and Ambiguity in Adoption

Jean-Paul Chavas, University of Wisconsin; **Bradford L. Barham**, University of Wisconsin; **Dylan B. Fitz**, University of Wisconsin; **Vanessa Rios Salas**, University of Wisconsin; **Laura A. Schechter**, University of Wisconsin

On Marginal-Risk Behavior

Robert G. Chambers, University of Maryland

Confidence and Economic Performance: Evidence from the Last True Hunters

Quinn Weninger, Iowa State University

1045 Rural and Farm Household Implications of the Patient Protection and Affordable Care Act

Lobby Level, Nathan Hale

CRENET and Senior Section Track Session

The purpose of this session is to investigate and discuss the economic implications of implementation of the ACA for rural communities and rural and farm households. Three papers will be presented, followed by a discussion among participants, initiated by the remarks of a discussant. The first paper will focus on how the ACA is likely to affect insurance coverage of rural people in general, modeling how the health insurance exchanges that will be established will affect entry and exit of insurance firms in rural markets and the health insurance choices rural people may make when presented with new insurance options. The second paper will focus on the health insurance coverage that farm households have, considering coverage available through off farm employment as well and self insurance, and the impacts that the ACA may have on this. The third paper discusses linkages between rural health care and community economic development and the potential implications of the ACA on these linkages.

Organizer: John L. Pender, USDA-Economic Research Service

Discussant: James M. Fannin, Louisiana State University

Assessing Rural Implications of Changes in Insurance Markets Under the ACA

Timothy McBride, Washington University in St. Louis; **Keith Mueller**, University of Iowa

Access of Farm Operator Households to Health Care Services Under Changing Health Care Markets

Mary Clare Ahearn, USDA-Economic Research Service

Rural Health Care and Community Economic Development – Linkages and Potential Implications of the Patient Protection and Affordable Care Act

John L. Pender, USDA-Economic Research Service; **Cristina D. Miller**, University of Illinois at Urbana-Champaign



Concurrent Sessions Monday, 1:00 pm–2:30 pm

1046 Local and Gendered Impacts of Climate Change and Other Drivers on Adaptation at Micro Level: Lessons from S.S. Africa, S. Asia, and Mountain Regions in Latin America

Lobby Level, Virginia C

International Section Track Session

The session will focus on the presentation of recent research undertaken at the local level to understand the impacts of climate change on people and communities in rural regions of Sub Saharan Africa, South Asia, the Mountains of Bolivia, and Southern Peru. This session will focus on household, intra-household, and community level data recently collected to study the impacts of climate change and of other drivers impacting on vulnerability and adaptation. All these presentations consider gender, as well as other factors that impact on the ability of decision makers locally to adapt to climate change. These presentations consider a variety of agricultural production systems, market articulation, and sources of vulnerability, use gender disaggregated data, and assess perceptions and impacts, at the plot and household levels. The invited discussant, will draw lessons from these diverse experiences, and discuss the connect or disconnect between climate change adaptation policies and local level impact and action.

Organizer: Corinne Valdivia, University of Missouri

Discussant: Andre Mershon, US Agency for International Development

Impacts of Climate Fluctuation and HIV / Aids on Individual and Household Consumption of Wild Foods, Dietary Intake, and Food Security in the Eastern Cape, South Africa

Brent M. Swallow, *University of Alberta*; **Ketometsi Ngulube Abu-Basutu**, *Rhodes University*; **Charlie Shackleton**, *Rhodes University*

Gendered Differences in Climate Change Adaptation: Insights from South Asia and Sub-Saharan Africa

Chiara Kovarik, *International Food Policy Research Institute*; **Quinn Bernier**, *International Food Policy Research Institute*; **Elizabeth Bryan**, *International Food Policy Research Institute*; **Patricia Kristjanson**, *International Food Policy Research Institute*; **Ruth Meinzen-Dick**, *International Food Policy Research Institute*; **Agnes R. Quisumbing**, *International Food Policy Research Institute*; **Claudia Ringler**, *International Food Policy Research Institute*

Gendered and Local Scale Differences of Climate Change Impacts and Adaptation in Agricultural Landscapes of Bolivia

Elizabeth Jiménez, *Universidad Mayor San Andres*; **Corinne Valdivia**, *University of Missouri*; **Peter Motavalli**, *University of Missouri*; **Karen Garrett**, *Kansas State University*; **Anji Seth**, *University of Connecticut*; **Jeanne Thibeault**, *University of Connecticut*

Gendered Differences of Impacts of Climate Change and Market Drivers on Pastoralists in the High Mountain Regions of Peru

Cecilia Turin, *Universidad Nacional Agraria La Molina*; **Jere L. Gilles**, *University of Missouri*

1047 Economic Policies and Priorities to Promote US International Trade

Lobby Level, Salon 3

Beltway Track Session

The purpose of the session is to present a high level, non-academic perspective on US international trade policy from three distinguished speakers with policy experience. The intended audience is policy analysts from government, industry, and policy institutes along with students and faculty interested in international trade and policy.

Organizer: Sarahelen Thompson, Bureau of Economic Analysis

Moderator: Sarahelen Thompson, Bureau of Economic Analysis

Panelists: Mark Doms, Under Secretary of Commerce for Economic Affairs; Michael Ferrantino, United States International Trade Commission; Warren Maruyama, Hogan Lovells

Concurrent Sessions Monday, 1:00 pm–2:30 pm

1048 Trading Dynamics and Price Behavior in Agricultural Futures Markets

Lobby Level, Delaware B

Invited Paper

Food price volatility has increased dramatically in the last decade and this has raised important questions and concerns about the effects on production, consumption, and storage decisions. Because of the close relationship between futures and cash prices and the important role of futures in discovering prices, much of the concerns have focused on the behavior of agricultural futures prices.

Organizer: Scott H. Irwin, University of Illinois at Urbana-Champaign

Moderator: Joseph W. Glauber, USDA-Office of the Chief Economist

Discussant: James T. Moser, American University

Hedging and Speculative Trading in Agricultural Futures Markets

*Raymond Fische, University of Richmond; **Joseph Janzen**, University of California, Davis; Aaron D. Smith, University of California, Davis*

The Financialization of Food

*Valentina Bruno, American University; Bhattin Buyuksahin, International Energy Agency; **Michel A. Robe**, American University*

Do Index Traders Drive Commodity Futures Prices? New Evidence from Daily Position Data

*Scott H. Irwin, University of Illinois at Urbana-Champaign; **Dwight R. Sanders**, Southern Illinois University*

1049 The Effects of Social Network on Food Choices

Mezzanine Level, Johnson

FSN Section Track Session

This session offers an insight into current issues regarding the effects of social network membership on consumer choice behavior. The papers will investigate whether consumers' choices are influenced by peer effects, the impact of ratings provided by social media websites on restaurant choice, how referent individuals can be identified, and how social networks are formed in Farmers' Markets.

Organizers: Timothy J. Richards, Arizona State University; Christiane Schroeter, California Polytechnic State University, San Luis Obispo

Moderator: Timothy J. Richards, Arizona State University

Estimating the Relationship Between Social Networks and Product Choice

***Christiane Schroeter**, California Polytechnic State University, San Luis Obispo; Timothy J. Richards, Arizona State University*

Anonymous Social Networks Versus Peer Networks in Restaurant Choice

***Timothy J. Richards**, Arizona State University; Ashutosh Tiwari, Arizona State University*

Building Healthy Habits in Social Networks: Making Fruits and Vegetables a Popular Choice During the School Lunch

***Helen H. Jensen**, Iowa State University*

What's it Worth to Know Your Farmer: Social Networks in Farmer's Markets

***Lisa A. House**, University of Florida*

Concurrent Sessions Monday, 1:00 pm–2:30 pm

1050 A Stakeholder Perspective of Agricultural Innovation

Lobby Level, Delaware A

CAES Organized Symposium

The papers in this session examine innovation from the perspective of policy makers, producers, and producer institutions. The findings presented in this session may provide insight for a variety of stakeholders in the development of programs or decision-making tools to aid in both the development and the adoption of agricultural innovations.

Organizer: Eric T. Micheels, University of Saskatchewan

Moderator: Richard S. Gray, University of Saskatchewan

Discussant: Derek G. Brewin, University of Manitoba

A Comparison of Farmers' Adoption of Innovations in Canada and US

Samira Bakhshi, *University of Saskatchewan*; **David E. Schimmelpfennig**, *USDA-Economic Research Service*; **James Michael Harris**, *USDA-Economic Research Service*

The Effect of Absorptive Capacity and Social Capital on the Adoption of Agricultural Innovations

Eric T. Micheels, *University of Saskatchewan*

The EPR Systems Impact on Wheat Variety Adoption

Katarzyna Z. Bolek, *University of Saskatchewan*; **Richard S. Gray**, *University of Saskatchewan*

1051 What Does the Future Hold for Agriculture? Comparing Results from the World's Best Global Economic Models

Mezzanine Level, Harding

Organized Symposium

Priority setting for agricultural research investments requires plausible perspectives on the range of key agricultural variables - from prices to malnourished children. Recent agricultural price developments reported by leading models have ranged from no price increases to 100 percent or more between now and 2050. To understand why, 10 of the world's leading global economic models with substantial agricultural representation have recently completed an outputs comparison exercise under the auspices of the AgMIP project. Presenters in this symposium will present selected results from this comparison, discuss their implications, and future plans.

Comparing CGE and PE Supply-Side Specifications in Models of the Global Food System

Sherman Robinson, *International Food Policy Research Institute*

Agriculture in Global Scenarios: Why Don't the Methods Agree?

Gerald Nelson, *International Food Policy Research Institute*

International Trade Under a Changing Climate: A Comparison of Results from Selected Global Economic Models

Ronald Sands, *USDA-Economic Research Service*

Incorporating Climate Impacts Into Agricultural Economic Models

Page Kyle, *Pacific Northwest Northwest Laboratory*



Concurrent Sessions Monday, 2:45 pm - 4:15 pm

1051 What Does the Future Hold for Agriculture? Comparing Results from the World's Best Global Economic Models *Mezzanine Level, Harding*

Organized Symposium

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Presenters:

Comparing CGE and PE Supply-Side Specifications in Models of the Global Food System
Sherman Robinson, *International Food Policy Research Institute*

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International Trade Under a Changing Climate: A Comparison of Results from Selected Global Economic Models
Ronald Sands, *USDA-Economic Research Service*

Incorporating Climate Impacts Into Agricultural Economic Models
Page Kyle, *Pacific Northwest Northwest Laboratory*

1052 Climate and Environmental Policy *Mezzanine Level, Hoover*

AERE Organized Symposium

Organizers: Antonio Miguel Bento, Cornell University; Garth Heutel, University of North Carolina at Greensboro

Moderator: Garth Heutel, University of North Carolina at Greensboro

The Distributional Consequences of Climate Change Mitigation Policies in Developing Countries: Macroeconomic Decomposition Approach
Zeynep Akgul, *Purdue University*

Climate Change Adaptation: How Does Heterogeneity in Adaptation Costs Affect Climate Coalitions?
Itziar Lazkano, *University of Wisconsin-Milwaukee*; **Walid Marrouch**, *Cirano*; **Bruno Nkuiya**, *Université de Laval*

Border Tax Adjustments Versus Punitive Tariffs: Their Comparison in Terms of Credibility and Effectiveness in International Environmental Agreements
Zeynep Burcu Irfanoglu, *Purdue University*; **Juan Pablo Sesmero**, *Purdue University*; **Alla Golub**, *Purdue University*

Incidence and Environmental Effects of Distortionary Subsidies
Garth Heutel, *University of North Carolina at Greensboro*; **David Kelly**, *University of Miami*



Concurrent Sessions Monday, 2:45 pm - 4:15 pm

1053 Agribusiness Decision Making

Mezzanine Level, Wilson A

Selected Presentation

Four different management decisions are highlighted in these papers.

Moderator: Padmaja Pancharatnam, Texas A&M University

The Effects of Ownership Structure on CEO Pay: Evidence from Member-Owned Firms

Brent M. Hueth, University of Wisconsin

Impact of Board Structure and Process on Cooperative Performance

Jason Franken, Western Illinois University; **Michael L. Cook**, University of Missouri

Debt, Input Misallocation, and Productivity in Agricultural Cooperatives

Levi A. Russell, Kansas State University; **Brian C. Briggeman**, Kansas State University; **Allen M. Featherstone**, Kansas State University

Improving Our Understanding of the Conduct and Performance of Cooperative Businesses Using Directed Acyclic Graphs

Padmaja Pancharatnam, Texas A&M University; **John L. Park**, Texas A&M University

1054 Issues and Strategies for Estimation of Demand Models

Mezzanine Level, Wilson B

Selected Presentation

The papers in this section explore new and innovative approaches for the estimation and specification of demand system of equations.

Moderator: Luyuan Niu, North Carolina State University

The Stars With the Gidds: Smooth Transition Functions and Structural Change

Zekarias M. Hussein, Purdue University; **James S. Eales, II**, Purdue University; **Nestor M. Rodriguez**, Texas A&M University

Modeling Seasonal Unit Roots as a Simple Empirical Method to Handle Autocorrelation in Demand Systems: Evidence from UK Expenditure Data

Andres Silva, French National Institute; **Senarath Dharmasena**, Texas A&M University

Estimating Piglog Demands Using Representative Versus Average Expenditure

William F. Hahn, USDA-Economic Research Service; **Fawzi A. Taha**, USDA-Economic Research Service; **Christopher G. Davis**, USDA-Economic Research Service

Subsidizing Fruits and Vegetables By Income Group: A Complete Demand System Analysis

Luyuan Niu, North Carolina State University; **Michael K. Wohlgenant**, North Carolina State University

1055 Dynamics of Agricultural Prices

Mezzanine Level, Wilson C

Selected Presentation

The papers in this section use modern time series methods to explore the dynamics of agricultural prices in several countries.

Moderator: Ye Su, University of Missouri

Semi-Parametric, Generalized Additive Vector Autoregressive Models of Spatial Price Dynamics

Selin Guney, North Carolina State University; **Barry K. Goodwin**, North Carolina State University

Nonlinearities in Regional Rice Prices in the Philippines: Evidence from a Smooth Transition Autoregressive (Star) Approach

Valerien O. Pede, International Rice Research Institute; **Harold G. Valera**, International Rice Research Institute; **Andrew M. McKenzie**, University of Arkansas; **Mohammad J. Alam**, Ghent University

Co-Movement of Price Volatility Among Major Crops

Cornelis Gardebroek, Wageningen University; **Manuel A. Hernandez**, International Food Policy Research Institute; **Miguel Robles**, International Food Policy Research Institute

Stability in Organic Milk Farm Prices: A Comparative Study

Ye Su, University of Missouri; **Scott Brown**, University of Missouri; **Michael L. Cook**, University of Missouri

Concurrent Sessions Monday, 2:45 pm - 4:15 pm

1056 Experiments on Consumer Preferences for Food and Plant Attributes

Mezzanine Level, McKinley

Selected Presentation

This session contains four papers employing field and laboratory experiments to assess consumers' preferences and willingness to pay for food and plant attributes.

Moderator: Charles A. Towe, University of Maryland

Do 'Locally Grown' Claims Influence Food Purchase? Evidence from a Natural Field Experiment.

Luisa Menapace, University of Bonn; **Roberta Raffaelli**, University of Trento

Does Eye Tracking Reveal More About the Effects of Buying Impulsiveness and Intertemporal Tradeoffs on the Green Industry Consumer Choice Behavior?

Hayk Khachatryan, University of Florida; **Bridget Behe**, Michigan State University; **Benjamin L. Campbell**, University of Connecticut; **Charlie Hall**, Texas A&M University; **Chengyan Yue**, University of Minnesota; **Jennifer H. Dennis**, Purdue University

Consumer Preferences for Apple Quality Traits

Lilian A. Carrillo-Rodriguez, Washington State University; **Rosa Karina Gallardo**, Washington State University; **Vicki A. McCracken**, Washington State University; **Chengyan Yue**, University of Minnesota; **James Luby**, University of Minnesota; **Jim McFerson**, Washington Tree Fruit Research Commission

Are Consumers Willing to Pay for Grass Fed Beef? A Hypothetical and Non-Hypothetical Comparison

Aaron A. Adalja, University of Maryland; **James C. Hanson**, University of Maryland; **Charles A. Towe**, University of Maryland; **Elina Tselepidakis**, University of Maryland

1057 Issues in International Consumer Markets

Mezzanine Level, Balcony A

Selected Presentation

Papers in this session will explore how international food consumers react to market information, incentives and differentiated products.

Moderator: Bethany L. Cooper, La Trobe University

Comparing Perceptions of Biotechnology in Fresh Versus Processed Foods: A Cross-Cultural Study

Hyeyoung Kim, University of Florida; **Lisa A. House**, University of Florida

Assessing Korean Consumers' Valuation for BSE Tested and Country of Origin Labeled Beef Products

Sang Hyeon Lee, Texas A&M University; **Ji Yong Lee**, Kansas State University; **Doo Bong Han**, Korea University; **Rodolfo M. Nayga**, University of Arkansas

Quality Incentives in Informal Markets: The Case of Ecuadorian Cocoa

Pilar Jano, University of Wisconsin; **Brent M. Hueth**, University of Wisconsin

Heterogeneity of Australian Urban Water Customers: A Scale Extended Latent Class Choice Model Approach

Bethany L. Cooper, La Trobe University

Concurrent Sessions Monday, 2:45 pm - 4:15 pm

1058 Current Environmental Issues in Farming

Mezzanine Level, Balcony B

Selected Presentation

The section starts with a paper on the lessons learned from the environmental service and farm income support programs. The second paper evaluates plant pests in the United States. The third paper assesses production changes due to climate shocks in Africa. The section finishes with a watershed and tillage model analyzing nutrient and sediment loadings into Lake Erie.

Moderator: Wendong Zhang, The Ohio State University

US Farmers and Environmental Compliance Under Reformed Farm Programs: What Can Be Learned from the EU Experience?

Amber A. Remble, Purdue University; **Roman M. Keeney**, Purdue University

Climate Shocks and African Food Prices

Shun Chonabayashi, Cornell University

From Farmer Management Decisions to Watershed Environmental Quality: A Spatial Economic Model of Land Management Choices

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

1059 Food and Agricultural Policy: Calorie Consumption and Nutrition

Lobby Level, Park 8209

Selected Presentation

These presentations analyze a range of issues involving food and nutrition and the link with agricultural policy, in the US and abroad.

Moderator: Dileni Gunewardena, University of Peradeniya

Where Does the Effect of Calorie Labeling on Snack Choices Come From? Roles of Two Conflicting Learning Effects

Satoru Shimokawa, Hong Kong University of Science and Technology

School Participation in Fresh Fruit and Vegetable Program (FFVP) and Childhood Obesity

Yiwei Qian, University of Arkansas; **Rodolfo M. Nayga**, University of Arkansas; **Michael R. Thomsen**, University of Arkansas

Effects of US Public Agricultural R&D on US Obesity and Its Social Costs

Julian M. Alston, University of California, Davis; **Abigail M. Okrent**, USDA-Economic Research Service; **Joanna Parks**, US Food and Drug Administration

Child Nutrition and Child Growth in Sri Lanka

Dileni Gunewardena, University of Peradeniya

1060 Parental and Food Environmental Influences on Health

Lobby Level, Park 8212

Selected Presentation

This session discusses the role of nutrition education in children's diet. In addition, studies present about the tobacco usage among US youth, visual cues, and the impact of the food environment on children's health.

Moderator: Xuedong Wu, University of Georgia

The Cost Effectiveness of Educating Limited Resource Youths on Food and Nutrition

Ranju Baral, Virginia Polytechnic Institute and State University; **George C. Davis**, Virginia Polytechnic Institute and State University; **Elena Serrano**, Virginia Polytechnic Institute and State University; **Mary McFerren**, Virginia Polytechnic Institute and State University; **Wen You**, Virginia Polytechnic Institute and State University

The Effect of Pre-Selection and Visual Cues on Food Item Selection By Middle School Children

Gabrielle Ferro, University of Florida; **Sonam Gupta**, University of Florida

Effects of Food Source on Child Dietary Quality and Calorie Consumption: Unconditional Quantile Regression Approach

Travis A. Smith, University of Minnesota

Factors That Influence the Frequency and Quantity of Tobacco Use Among US Youth

Gregory J. Colson, University of Georgia; **J. Scott Shonkwiler**, University of Georgia; **Xuedong Wu**, University of Georgia



Concurrent Sessions Monday, 2:45 pm - 4:15 pm

1061 Input Use and Crop Choice in Developing Countries

Lobby Level, Park 8216

Selected Presentation

Growth in food production per capita in Africa and Southern Asia has lagged behind other developing countries. Stagnant yields and low rates of input use in Africa have been particularly worrying. These papers explore the key factors underlying how farmers in poor countries make decisions about inputs and crops.

Moderator: Evan J. Miller-Tait, University of Alberta

Modeling the Impacts of Input Market Reforms on Fertilizer Demand and Maize Production: An Example from Kenya

Megan B. Sheahan, Michigan State University; Thomas S. Jayne, Michigan State University; Joshua M. Ariga, Michigan State University

Fertilizer Use Among Smallholder Farmers in Kenya: The Role of Off-Farm Employment

Mary K. Mathenge, Melinda Smale, Michigan State University

Reconsidering Post Green Revolution Food Choices: New Processing Technologies and Food Security in India

Evan J. Miller-Tait, University of Alberta; Martin Luckert, University of Alberta; Sandeep Mohapatra, University of Alberta; Brent M. Swallow, University of Alberta

1062 Frontiers in Empirical Trade Analysis

Lobby Level, Park 8219

Selected Presentation

The papers in this session offer advances to empirical approaches used in examining issues related to international trade.

Moderator: Alexander P. Cairns, University of Guelph

A Non-Parametric Approach to Modeling Exchange Rate Pass-Through in Basic Commodity Markets

Gulcan Onel, University of Florida; Barry K. Goodwin, North Carolina State University

A Structural Estimation of Offshoring in the US Labor Market Using Non-Parametric Cubic Spline Method

Xuan Wei, Michigan State University; Xianwei Meng, University of Wisconsin

Structure and Behavior of Multi-Product Firms: Evidence from India

Jangho Choi, Oregon State University; Gopinath Munisamy, Oregon State University

Unconditional Quantile Estimation: An Application to the Gravity Framework.

Alexander P. Cairns, University of Guelph; Alan P. Ker, University of Guelph

1063 Energy Economics

Lobby Level, Park 8226

Selected Presentation

This session contains papers that address energy topics. Topics include biofuels, crude oil, energy conservation, and the resource curse.

Moderator: David A. Fleming, Commonwealth Scientific and Industrial Research Organization, Australia

Trajectory of Maturity: An Empirical Analysis of US Biofuel Innovations

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

Is There a Global Relationship Across Crude Oil Benchmarks?

Janelle Mann, University of Manitoba

Measuring the Energy Savings from Tree Shade

Joseph A. Maher, University of Maryland

Disentangling the Natural Resource Curse: National and Local Socioeconomic Impacts of Natural Resource Windfalls

David A. Fleming, Commonwealth Scientific and Industrial Research Organization, Australia

Concurrent Sessions Monday, 2:45 pm - 4:15 pm

1064 Climate, Risk, and Agricultural Production

Lobby Level, Park 8228

Selected Presentation

This session focuses on various aspects of climate and weather risk such as the impact of drought on agricultural production. Other papers examine instruments that can be used to mitigate adverse effects of climate change such as efficient water irrigation systems and best management practices.

Moderator: Scott R. Jeffrey, University of Alberta

The Spatio-Temporal Impact of Drought on Local and Regional Feeder Cattle Inventories

Eric Belasco, Montana State University

Managing Weather Risk for Cotton in Texas High Plains With Optimal Temporal Allocation of Irrigation Water

Shyam Sivankutty Nair, Texas Tech University; **Chenggang Wang**, Texas Tech University; **Stephan Maas**, Texas Tech University; **Thomas O. Knight**, Texas Tech University; **Eduardo Segarra**, Texas Tech University; **Jeffrey W. Johnson**, Texas Tech University; **Steven Mauget**, USDA-Agricultural Research Service

US Crop Yields Redux: Weather Effects Versus Human Inputs

Federico J. Trindade, University of Nebraska

Adoption of BMPs and Technical Inefficiency in Canadian Canola Production

Ali Cagdas, University of Alberta; **Scott R. Jeffrey**, University of Alberta; **Elwin G. Smith**, Agriculture and Agri-Food Canada; **Peter C. Boxall**, University of Alberta

1065 Economic Efficiency and Uncertainty

Lobby Level, Maryland A

Selected Presentation

This session examines issues of economic efficiency and uncertainty in agricultural production with applications to dairy farms and cotton ginning.

Moderator: Christopher A. Kanter, University of Wisconsin

Dynamic Efficiency Under Uncertainty: An Application to German Dairy Farms

Christina Wagner, Humboldt University of Berlin; **Silke Huettel**, Humboldt University of Berlin; **Martin Odening**, Humboldt University of Berlin

Evaluating the Importance of Multiple Imputations of Missing Data on Stochastic Frontier Analysis Efficiency Measures

Saleem Shaik, North Dakota State University; **Oleksiy Tokovenko**, SAS Institute, Inc

A Comparative Efficiency Analysis of Cooperative and Non-Cooperative Dairy Manufacturing Firms

Christopher A. Kanter, University of Wisconsin; **Brent M. Hueth**, University of Wisconsin

1066 Property Rights Institutions and Natural Resources

Lobby Level, Maryland B

Selected Presentation

This session considers the effects of property rights, institutions, and community organizing on sustainable forest management and natural gas exploitation.

Moderator: Kofi Nkansah, West Virginia University

Linking Remote Sensing and Economics: Evaluating the Effectiveness of Protected Areas in Reducing Tropical Deforestation

Joseph A. Maher, University of Maryland; **Xiaopeng Song**, University of Maryland

Divided Rights, Expanded Conflict: The Impact of Split Estates in Natural Gas Production

Kofi Nkansah, West Virginia University

The Effect of a Cap-and-Trade Model for Groundwater Use: A Case Study in the Texas Southern High Plains

Kishor P. Luitel, Texas Tech University; **Rachna Tewari**, Texas Tech University; **Donna Mitchell**, Texas Tech University; **Aaron Benson**, Texas Tech University; **Phillip N. Johnson**, Texas Tech University



Concurrent Sessions Monday, 2:45 pm - 4:15 pm

1067 Analyzing and Understanding How Producers Respond to Price Risk in a Global Economy

Lobby Level, Maryland C

Selected Presentation

Presentations in this session focus on global food production and the impact of price changes and volatility. Topics include acreage allocation, market linkages between the agricultural and energy markets, and income levels.

Moderator: Mekbib G. Haile, University of Bonn

Inter- and Intra-Annual Global Crop Acreage Response to Prices and Price Risk

Mekbib G. Haile, University of Bonn; Matthias Kalkuhl, University of Bonn; Joachim F. Von Braun, International Food Policy Research Institute

Marketing Margins and Input Price Uncertainty

Josh Maples, Mississippi State University; Ardian Harri, Mississippi State University; John Michael Riley, Mississippi State University; Jesse B. Tack, Mississippi State University

Long-Term Impacts of Global Food Crisis on Production Decisions: Evidence from Farm Investments in Indonesia

Manabu Nose, The World Bank; Futoshi Yamauchi, World Bank

Agricultural Supply Response to International Prices and Price Volatility and Implications to Global Food Supply

Mekbib G. Haile, University of Bonn; Matthias Kalkuhl, University of Bonn

1068 Engaging Undergraduate to Graduate Students in Teaching and Research While Meeting the Expectations of their Future Employers

Lobby Level, Virginia A

Selected Presentation

This session will explore the value of engaging Agricultural Economic students in both education and research activities to that will not only enhance the student's skills and better suited to the changing employment landscape.

Moderator: Ronald B. Larson, Western Michigan University

Engaging Undergraduates in An Interdisciplinary, International Collaboration for Development

Janelle B. Larson, Pennsylvania State University

The Value of Undergraduate Research

Lynn L. Hamilton, California Polytechnic State University, San Luis Obispo; Leah Greden Mathews, University of North Carolina at Asheville; Richard Grant, California Polytechnic State University, San Luis Obispo

The Attitudes and Expectations of Graduate Students in Agricultural Economics: A National Survey

Jerrold Penn, University of Kentucky; H. Mikael Sandberg, University of Florida

Addressing the Needs of the Agribusiness "Fringe"

Ronald B. Larson, Western Michigan University

1069 Industry Organizations and Agribusiness Programs

Lobby Level, Virginia B

AEM and TLC Section Track Session

Over the past five years, a number of industry associations have begun to engage agro-food undergraduate students in selected universities. The objective is to describe the impact of involvement with industry by highlighting several associations who have created marketing plan competitions, case study competitions, mentoring programs, leadership programs, and similar activities. We will look at National Grocers Association, American Seed Trade Association, Produce Marketing Association, American Seed Trade Association, National Agri-Marketing Association and cooperative education through Ralph Morris Foundation. Endowments have been created by industry to fund these activities.

Organizer: Michael A. Boland, University of Minnesota

Presenters: Michael A. Boland, University of Minnesota; Allan W. Gray, Purdue University; Robert W. Harrison, Louisiana State University; Jennifer S. James, California Polytechnic State University, San Luis Obispo; Aslihan D. Spaulding, Illinois State University



Concurrent Sessions Monday, 2:45 pm - 4:15 pm

1070 Reformed Again: Can the CGIAR Be Better?

Mezzanine Level, Johnson

International Section and IAAE Track Session

The CGIAR system is undergoing reform for the 3rd time in 15 years and this session is designed to inform our international community of the plans and likely consequences of these reforms. The changes involve funding as well as organizational reforms, and the discussion will include those involved in the design of the reforms, those who implement the changes, and those who observe the change and consequences from external perspectives. Many members of AAEA admire and respect the CGIAR system and all of its accomplishments but are not well informed on the reform plans and possible impacts. The benefit to the profession is to better understand what is transpiring in the system and to have opportunity to participate in discussion of the possible consequences of these reforms. Each panelist will present their own perspective on the CGIAR reforms and the moderator will reserve half the time to engage the panelists and the audience in discussion of the identified issues.

Organizer: Alexander F. McCalla, University of California, Davis

Moderator: Alexander F. McCalla, University of California, Davis

Design and Objectives of the CGIAR Reforms

Jonathan Wadsworth, CGIAR Fund

CGIAR Reforms: Donor Perspective

Prabhu L. Pingali, Bill & Melinda Gates Foundation

CGIAR Reforms: Centers' Perspective

Shenggen Fan, International Food Policy Research Institute

CGIAR and the Changing Global Challenge of Food and Environmental Insecurity

Uma Lele

1071 Chinese Producer Decisions

Mezzanine Level, Taft

China Section Track Session

The four papers in this session collectively makes a timely contribution to the issues involving Chinese producers. Along with the de-centralization process in China's agriculture, individual farmers' decision making will weigh more in the overall production process. Four areas of production are covered separately in each paper: grain, hog, fish, and fruits.

Organizer: Wuyang Hu, University of Kentucky

Moderator: James M. Hansen, USDA-Economic Research Service

Discussants: Jie Lu, Renmin University of China; Xinkai Zhu, Renmin University of China

Grain Stocks Behavior of Chinese Farm Households: Why Don't Farmers Store Grain as Before?

Ruijuan Zhang, China Agricultural University; **Dingqiang Sun**, University of California, Davis; **Laping Wu**, China Agricultural University; **Colin Andre Carter**, University of California, Davis

Farmer Participation in Hog Insurance: Case from China

Ping Qing, Huazhong Agricultural University; **Wei Wan**, University of Kentucky; **Wuyang Hu**, University of Kentucky

Chinese Producer Behavior: Aquaculture Farmers in Southern China

David L. Ortega, Michigan State University; **Hong Holly Wang**, Purdue University; **Nicole J. Olynk**, Purdue University; **Laping Wu**, China Agricultural University

Opportunities for Western Food Products in China: the Case of Orange Juice Demand

Xuqi Chen, University of Florida; **Zhifeng Gao**, University of Florida; **Lisa A. House**, University of Florida



Concurrent Sessions Monday, 2:45 pm - 4:15 pm

1072 Shopping with SNAP: Economic and Behavioral Strategies to Encourage Healthier Food Purchases

Lobby Level, Nathan Hale

FSN and IBES Section Track Session

The Healthy Food Financing Initiative and changes in SNAP-ed requirements will likely lead to more opportunities for nutrition outreach directly in grocery stores in low income neighborhoods. This four presentations in the proposed session will explore what is known about the effectiveness of various economic and behavioral economic levers that could be used to encourage healthier food purchases. The first presentation will provide a statistical snapshot of a SNAP shopper. Using data from NHANES and the ERS food atlas, this study will set the stage by presenting basic statistics on SNAP respondents and respondents who live in food deserts, such as use of food labels, shopping frequency, diet quality, diet knowledge etc. The second presentation will explore the effect of the of simple nutrition cues. This presentation will present findings from a study of the effectiveness of the Hannaford Stars Program, with a focus on low-income shoppers. The third presentation will discuss the effect of monetary incentives. The presentation will discuss preliminary findings from The Healthy Incentive Pilot program (HIP) in Hampden County, MA. HIP provides households receiving Supplemental Nutrition Assistance

Program (SNAP) benefits with 30 cents of additional benefits for every dollar spent on fruit and vegetables to encourage their purchase and consumption. The fourth presentation will explore the potential efficacy of other behavioral cues that could be used in a grocery store format based on lessons learned from the “Smarter Lunchrooms” work at the Cornell Center for Behavioral Economics in Child Nutrition Programs and other behavioral economic studies.

Organizers: Joanne Guthrie, USDA-Economic Research Service; Lisa Mancino, USDA-Economic Research Service

Discussant: Joanne Guthrie, USDA-Economic Research Service

Statistical Snapshot of a Snap Shopper

Lisa Mancino, USDA-Economic Research Service; Joanne Guthrie, USDA-Economic Research Service; Michele L. Ver Ploeg, USDA-Economic Research Service

Putting Stars on Thars: Lessons Learned from the Hannaford Stars Program

Ilya M. Rahkovsky, USDA-Economic Research Service; Biing-Hwan Lin, USDA-Economic Research Service; Jordan Lin, US Food and Drug Administration-HHS; Jong-Ying Lee, University of Florida

It's Hip to Be Healthy: Early Results from the Healthy Eating Incentive Pilot

Susan Bartlett, Abt Associates; **Parke Wilde**, Tufts University Jacob A. Klerman, Abt Associates; Lauen Olsho, Abt Associates; Michelle Blocklin, Abt Associates; Christopher Logan, Abt Associates; Ayesha Enver, Abt Associates

Designing a Smarter Grocery Store: Nudging Shoppers to Purchase Healthier Foods

David R. Just, Cornell University

1073 Funding Priorities and the Funding Climate

Lobby Level, Salon 3

Beltway Track Session

This session offers an opportunity for dialog with Dr. Sonny Ramaswamy, Director of USDA's NIFA. Dr. Ramaswamy will open the discussion with a brief overview on funding priorities at NIFA. Then principal investigators of two highly impactful NIFA-funded projects will present brief overviews of their ongoing work. Susan Capalbo will describe “Regional Approaches to Climate Change for Pacific Northwest Agriculture,” an interdisciplinary project. Jayson Lusk will describe “The Neuroeconomics of Controversial Food Technologies,” a more disciplinary project. Dr. Ramaswamy then will comment briefly on how these projects fit into NIFA funding priorities and general characteristics of projects where agricultural and applied economists are most likely to play a leading role. The remainder of the session will be devoted to questions and discussion.

Moderator: Robert King, University of Minnesota

Presenters: Sonny Ramaswamy, USDA-National Institute of Food and Agriculture; Susan M. Capalbo, Oregon State University; Jayson L. Lusk, Oklahoma State University



Concurrent Sessions Monday, 2:45 pm - 4:15 pm

1074 Exploring Local Economic, Environmental and Health Effects of Hydraulic Fracturing

Lobby Level, Delaware B

Invited Paper and Senior Section Track Session

The three papers presented in this session discuss some of the first large-scale research estimates of specific environmental, health and economic impacts at the local community level where gas production is taking place.

Organizer: Vernon R. Eidman, University of Minnesota

Moderator: Jeremy G. Weber, USDA-Economic Research Service

Discussant: Jeremy G. Weber, USDA-Economic Research Service

Shale Gas Development Impacts on Surface Water Quality in Pennsylvania

Sheila Olmstead, *Resources for the Future*; **Lucija Muehlenbachs**, *Resources for the Future*; **Jhih-Shyang Shih**, *Resources for the Future*; **Ziyang Chu**, *Resources for the Future*; **Alan Krupnick**, *Resources for the Future*

Resource Extraction and Infant Health: Evidence from Colorado

Elaine L. Hill, *Cornell University*

The Economic Implications of Marcellus Shale Development in Pennsylvania: Economics, Politics, and Framing the Issue

Timothy W. Kelsey, *Pennsylvania State University*

1075 Grain Outlook

Lobby Level, Virginia C

Extension Section Track Session

This session will start out with a presentation highlighting the current and near-term situation and outlook of grain commodities. This will be followed by shorter presentations that highlight topics of direct relevance to US grain markets, and a question and answer period.

Organizer: Chad E. Hart, Iowa State University

Wheat Outlook

Daniel M. O'Brien, *Kansas State University*

Cotton Outlook

Gary M. Adams, *National Cotton Council*

Corn and Soybean Outlook

Chad E. Hart, *Iowa State University*

1076 New and Emerging Issues in Agricultural Economics & Policy

Lobby Level, Delaware A

CAES Organized Symposium

Structured around Ted-style conference sessions, this Organized Symposium will bring together leading and emerging thinkers who explore questions related to the agricultural economics and policy. Speakers will focus on emerging research questions and methods in their respective fields. The dialogue is intended to stimulate new thinking and thinkers in the discipline. No discussants will be used; rather discussion will rely on the audience to participate through Q&A.

Moderator: Jean-Philippe Gervais, Farm Credit Canada

Myth-Busting Farm Income and Structure

Alfons Weersink, *University of Guelph*

Who Really Benefits from Farm Subsidies? (It's Not Who You Think!)

Barrett E. Kirwan, *University of Illinois at Urbana-Champaign*

Agricultural R&D as an Instrument of Social Policy

Julian M. Alston, *University of California, Davis*

Values and Institutions: the Political Economy of Agricultural Policy

Murray E. Fulton, *University of Saskatchewan*



Concurrent Sessions Monday, 2:45 pm - 4:15 pm

1077 Measuring the Impacts of Weather on Crop Yields: Different Approaches for Different Purposes

Mezzanine Level, Harding

Organized Symposium

It is obvious that weather—precipitation and temperatures—effect crop yields, and recent droughts and floods in the US Midwest have drawn new attention to this fact. This session will provide an opportunity to discuss new and different methods for sorting out weather from technology and price effects and for identifying marginal effects of precipitation and weather on area crop yields, largely corn yields.

Organizer: Wallace E. Huffman, Iowa State University

Impacts of Public Corn Research and Weather on State Average Corn Yields: An Application of Stochastic Frontier Yield Functions
Wallace E. Huffman, Iowa State University; Yu Jin, Iowa State University; Tim Lenell, Iowa State University

Responsiveness of Crop Yield and Acreage to Prices and Climate

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

Forecasts of US Corn Yields, Including Weather Effects: A Bayesian Econometric Approach

Jonathan R. McFadden, Iowa State University; John A. Miranowski, Iowa State University; Alicia Rosburg, University of Northern Iowa

1078 International Agricultural Land Acquisitions: Stability, Investment, and Gender Issues

Mezzanine Level, Hoover

Organized Symposium

International investment in agricultural land, its implications for food and energy security, stability, small-holder farmers, and international investor perspectives.

Organizer: Evert Van Der Sluis, South Dakota State University

Panelists: Gary R. Blumenthal, World Perspectives Inc; Michael Kugelman, Woodrow Wilson International Center for Scholars; Klaus Deininger, World Bank

1079 Market and Non-Market Responses

Mezzanine Level, Wilson A

Selected Presentation

These four papers look at different market supply channels and the market and non-market response to various conditions.

Moderator: Richard J. Volpe, III, USDA-Economic Research Service

Missing Markets and Consumer Cooperation

Brent M. Hueth, University of Wisconsin

Does Proximity to Consumers Determine Organic Certification?

Ariana Torres, Purdue University; Maria I. Marshall, Purdue University; Corinne E. Alexander, Purdue University

The Economics of Quality in the Specialty Coffee Industry: Insights from the Cup of Excellence Auction Programs

Adam P. Wilson, THRIVE Farmers; **Norbert L.W. Wilson**, Auburn University

Quality Features in Dairy Marketing: A Count Quantile Regression for Somatic Cell Measures

Timothy A. Park, USDA-Economic Research Service; **Richard J. Volpe, III**, USDA-Economic Research Service; Helen H. Jensen, Iowa State University; David A. Hennessy, Iowa State University



Concurrent Sessions Monday, 4:30 pm - 6:00 pm

1080 Behavioral Insights into Food Choice and Food Safety

Mezzanine Level, Wilson B

Selected Presentation

This session focuses on behavioral tools for understanding where and what we choose to eat.

Moderator: Frode Alfnes, Norwegian University of Life Sciences

'I'll Have What He's Having': Group Ordering Behavior in Food Choice Decisions

Brenna Ellison, University of Illinois at Urbana-Champaign; **Jayson L. Lusk**, Oklahoma State University

Fast Food Consumption and Nutritional Information: Some Experimental Results

Maria L. Loureiro, University of Santiago de Compostela; **Djamal Rahmani**, University of Santiago de Compostela

How Geography Affects Food Choice: The Case of Champaign-Urbana

Katherine R. Baylis, University of Illinois at Urbana-Champaign; **Rhiannon Jerch**, University of Illinois at Urbana-Champaign; **Sahan T M Dissanayake**, Colby College

Voting or Buying: Inconsistency in Preferences Towards Food Safety in Restaurants

Roselyne Alphonse, Norwegian University of Life Sciences; **Frode Alfnes**, Norwegian University of Life Sciences; **Amit Sharma**, Pennsylvania State University

1081 Food Demand Estimation and Policy Analysis in Developing Countries

Mezzanine Level, Wilson C

Selected Presentation

Estimation of food demand systems has been rather common in the United States and other developed countries; however, there is still a paucity of studies analyzing food demand in developing countries.

Moderator: Marzieh Motallebi, Colorado State University

High Food Prices and Their Implications for Poverty in Uganda: from Demand System Estimation to Simulation

Ole Boysen, University of Hohenheim

Food Demand, Food Prices and Welfare Analysis Utilizing EASI Model

David Magana-Lemus, Texas A&M University; **Ariun Ishdorj**, Texas A&M University; **C. Parr Rosson, III**, Texas A&M University

The Impact of Food Price Shocks on the Consumption and Nutritional Patterns of Mexican Households

Miriam Juarez-Torres, Banco de Mexico

Estimating An Almost Ideal Demand System (Aids) Model for Meats in Iran

Marzieh Motallebi, Colorado State University; **Dustin L. Pendell**, Colorado State University

1082 Methods to Evaluate Consumer Choices

Mezzanine Level, McKinley

Selected Presentation

This session explores innovations that address some of the challenges to understanding consumer behavior, choices and valuation of ag and food products.

Moderator: Xuqi Chen, University of Florida

Individualized or Non-Individualised IDM: What Elicits Consumer Preferences Best?

Nina Langen, University of Bonn; **Jeanette Klink**, University of Bonn; **Monika Hartmann**, University of Bonn

The Puzzle of Valuation Gaps Between Experimental Auction and Real Choice Experiments: Does Purchase Intention Matter?

Jing Xie, University of Florida; **Zhifeng Gao**, University of Florida; **Lisa A. House**, University of Florida

Online Survey Data Quality and Its Implication for Willingness-To-Pay Estimates: A Cross-Country Comparison

Zhifeng Gao, University of Florida; **Lisa A. House**, University of Florida; **Jing Xie**, University of Florida

Cross-Price Effect on Willingness-to-Pay Estimates in Open-Ended Contingent Evaluation

Xuqi Chen, University of Florida; **Zhifeng Gao**, University of Florida

Concurrent Sessions Monday, 4:30 pm - 6:00 pm

1083 Crop Insurance: Participation and Moral Hazard

Mezzanine Level, Balcony B

Selected Presentation

This session focuses on crop insurance. These four presentations look into the issue of participation in crop insurance, the choice of revenue insurance and moral hazard effects.

Moderator: Keith H. Coble, Mississippi State University

Premium Estimation Inaccuracy and the Distribution of Crop Insurance Subsidies Across Participating Producers

Octavio A. Ramirez, *University of Georgia*

Moral-Hazard Effects of the Federal Crop Insurance Program in the West Coast

Beau Olen, *Oregon State University*; **JunJie Wu**, *Oregon State University*

Risky Business: Factors Affecting Participation Rate of Agristability

Kenneth Poon, *University of Guelph*; **Alfons Weersink**, *University of Guelph*; **Jiana Xiong**,

The Effects of Area-Based Revenue Protection on Producers' Choices of Farm-Level Revenue Insurance

Robert Dismukes, *USDA-Economic Research Service*; **Keith H. Coble**, *Mississippi State University*; **Erik J. O'Donoghue**, *USDA-Economic Research Service*; **Corey Miller**, *Mississippi State University*

1084 The Role of School Lunches in Childhood Nutrition

Lobby Level, Park 8209

Selected Presentation

School lunches play a big role in children's nutrition. This session provides insight into different issues that affect the healthiness of school lunches. The effect of pre-lunch snacks, taste and calorie content are discussed.

Moderator: Matthew V. Pham, The Ohio State University

The Effect of National School Lunch Program on Childhood Obesity

Yongwon Cho, *Washington State University*; **Seungchul Lee**, *Samsung Economic Research Institute*

Hunger-Driven Food Choices: An Experiment to Test the Effect of Providing Pre-Lunch Snacks on School Lunch Choices

Joshua P. Berning, *University of Connecticut*; **Rui Huang**, *University of Connecticut*; **Elena Castellari**, *Università Cattolica del Sacro Cuore*

School Meals Experiment: Can a Taste Test Increase Vegetable Acceptance?

Constance Newman, *USDA-Economic Research Service*; **Joanne Guthrie**, *USDA-Economic Research Service*; **Lisa Mancino**, *USDA-Economic Research Service*; **Anastasia Snelling**, *American University*

The Role of Calorie Content, Healthiness, Price, and Palatability on School Lunch Purchases

Matthew V. Pham, *The Ohio State University*; **Brian E. Roe**, *The Ohio State University*



Concurrent Sessions Monday, 4:30 pm - 6:00 pm

1085 Food Supply Chains and Industrial Organization

Lobby Level, Park 8212

Selected Presentation

Papers in this session address the competitive and strategic interactions of firms involved in food development, distribution, and production.

Moderator: Van Tran, University of Nebraska

Spatial Competition in Agricultural Markets: A Discrete-Choice Approach

Brent M. Hueth, University of Wisconsin; Christopher W. Taylor, University of Wisconsin

Brand Competition and the Demand for Health-Differentiated Food Products With Private Labels

Sven M. Anders, University of Alberta; Xiongwei Ying, University of Alberta

Production Arrangements and Strategic Brand-Level Competition in a Vertically Linked Market

Waseem Ahmad, University of Alberta; Sven M. Anders, University of Alberta

Consumer Attitudes and the Market Success of Food Nanotechnology

Van Tran, University of Nebraska; Konstantinos Giannakas, University of Nebraska; Amalia Yiannaka, University of Nebraska

1086 Agriculture and the Environment

Lobby Level, Park 8216

Selected Presentation

These papers examine interactions between agriculture and the environment in the developing world. They address issues in conservation, energy, and urbanization.

Moderator: Mercy W. Kamau, Tegemeo Institute of Agricultural Policy and Development

Economic Value of Crop Residues in African Smallholder Agriculture

Julia Berazneva, Cornell University

Remittance and Conservation Technology Adoption

Deborah Williams, Louisiana State University; Krishna P. Paudel, Louisiana State University; Mahesh Pandit, Louisiana State University

Characterizing Markets for Soil Fertility Management in Kenya

Mercy W. Kamau, Tegemeo Institute of Agricultural Policy and Development; Melinda Smale, Michigan State University; Mercy Mutua, Tegemeo Institute of Agricultural Policy and Development

1087 International Trade Measurement and Outcomes: Exploring Unresolved Challenges

Lobby Level, Park 8219

Selected Presentation

While much progress has been made, factors which influence the flows in the international trade of goods and services remain only partially accounted for and understood. This series of papers examines several possible firm- and aggregate-level factors which may be useful in further resolving our understanding of these issues.

Moderator: Ezra Trevor Rwakinanga, Mulago Hospital Station

Public Preferences About Agricultural Protectionism in the US

Wanki Moon, Southern Illinois University; Gabriel P. Saldías, Southern Illinois University

Absence of Trade: Inability to Export Or Reluctance to Import? Evidence from French Agri-Food Firms

Bo Xiong, University of California, Davis; John C. Beghin, Iowa State University

Non-Equivalent Ad Valorem Equivalents and Gravity

Bruno Larue, Université de Laval; Rachidi Kotchoni, University of Montreal; Sebastien Pouliot, Iowa State University

Export-Led-Growth Under Structural Changes in Uganda

Ezrah Trevor Rwakinanga, Mulago Hospital Station

Concurrent Sessions Monday, 4:30 pm - 6:00 pm

1088 Forest Economics

Lobby Level, Park 8226

Selected Presentation

Papers in this session all consider the economics of forests. Topics include logging, fuelwood extraction, and reforestation.

Moderator: Xiaohui Tian, The Ohio State University

How Much Does the Forest Cost? Determining the Size of Subsidy Payments to Induce Reforestation in Coastal Ecuador

Trent D. Blare, University of Florida; **Xavier Haro-Carrión**, University of Florida; **Kelly A. Grogan**, University of Florida; **Pilar Useche**, University of Florida

Making Ends Meet: A Spatio-Dynamic Model of Household Fuelwood Extraction in Northern Uganda

Daniela Miteva, Duke University; **Randall A. Kramer**, Duke University

Modeling a Dynamic Forest Sector in a General Equilibrium Framework

Xiaohui Tian, The Ohio State University; **Brent Sohngen**, The Ohio State University; **Ronald D. Sands**, USDA-Economic Research Service

1089 Dynamic Aspects of Resource Management

Lobby Level, Park 8228

Selected Presentation

Understanding management of resources often requires a consideration of the dynamic impacts of decisions. This session investigates dynamic aspects under different contexts, including pesticide control, perennial crop production with deficit irrigation, decisions to produce whiskey of multiple ages by distilleries, and the optimal control of a disease affecting the Colombian oil palm industry.

Moderator: Kelly A. Grogan, University of Florida

When Ignorance Is Not Bliss: Pest Control Decisions Involving Beneficial Insects

Kelly A. Grogan, University of Florida

A Bio-Economic Model of Perennial Production With Deficit Irrigation

Bradley Franklin, University of California, Riverside; **Kurt A. Schwabe**, University of California, Riverside; **Keith C. Knapp**, University of California, Riverside

Why Do Distilleries Produce Multiple Ages of Whiskey?

Ian B. Page, University of Maryland

Pudricion Del Cogollo Disease: The Effects and Value of a Resistant Oil Palm Variety

Kelly A. Grogan, University of Florida; **Mauricio Mosquera**, University of Florida

1090 Novel Methodological Approaches

Lobby Level, Maryland A

Selected Presentation

This session discusses novel and relevant methodological strategies for commonly encountered data and modeling problems.

Moderator: Susan Olivia, Monash University

Implications of Survey Sampling Design for Missing Data Imputation

Haluk Gedikoglu, Lincoln University; **Joseph L. Parcell**, University of Missouri

Listen to Your Data: Econometric Model Specification Through Sonification

Ron C. Mittelhammer, Washington State University; **Christopher S. McIntosh**, University of Idaho

Decision Frame Heterogeneity Across Intensive and Extensive Margins and Attributes Nonattendance: A Case Study in a Weight Loss Study

Wen You, Virginia Polytechnic Institute and State University; **Yuan Yuan**, Virginia Polytechnic Institute and State University; **Kevin J. Boyle**, Virginia Polytechnic Institute and State University

Economic Rise and Decline in Indonesia - As Seen from Space

Susan Olivia, Monash University; **John K. Gibson**, Waikato Management School



Concurrent Sessions Monday, 4:30 pm - 6:00 pm

1091 Water Quality and Agri-environmental Policy

Lobby Level, Maryland B

Selected Presentation

This session examines policies to reduce water pollution from agricultural sources. Nutrient trading and best management practice adoption are discussed. Differential producer behavior under increased regulation of CAFOs under the Clean Water Act is examined empirically.

Moderator: Sei Jin Kim, The Ohio State University

Estimating the Cost of Agricultural Pollution Abatement: Establishing Beneficial Management Practices in the Bras D'Henri Watershed

René Roy, McGill University; Paul J. Thomassin, McGill University; Laurie Baker, McGill University

Flexible Practice-Based Approaches for Controlling Multiple Agricultural Nonpoint-Source Water Pollution

Adriana M. Valcu, Iowa State University; Sergey S. Rabotyagov, University of Washington; Catherine Kling, Iowa State University

The Implications of Environmental Policy on Nutrient Outputs in Agricultural Watersheds

Brent Sohngen, The Ohio State University; Kevin King, USDA-Agricultural Research Service; **Sei Jin Kim**, The Ohio State University; Abdoul G. Sam, The Ohio State University

1092 Rural Growth

Lobby Level, Maryland C

Selected Presentation

Papers in this session investigate the relationship between food systems and rural development

Moderator: Jeremy G. Weber, USDA-Economic Research Service

Local Food, Ethnic Entrepreneurs, and Social Networks

Lisa S. Hightower, Virginia Polytechnic Institute and State University; Mark A. Brennan, Pennsylvania State University

Agricultural Revenues and the Local Nonfarm Economy

Jeremy G. Weber, USDA-Economic Research Service; Conor Wall, Oregon State University; Jason P. Brown, USDA-Economic Research Service; Thomas Hertz, USDA Economic Research Service

Looking at Pro-Poor Growth from An Agricultural Perspective

Malte Reimers, University of Göttingen; Stephan Klasen, University of Göttingen

Labor Market Responses to a Decade of Natural Gas Development

Jeremy G. Weber, USDA-Economic Research Service

1093 Agriculture and Nutrition Linkages

Lobby Level, Virginia A

FSN and International Section Track Session

In recent years policy interest has grown around the topic of how to maximize agriculture's positive impacts on nutrition. This moderated session includes four papers focusing on different empirical and methodological aspects of the topic, including the use of remotely-sensed data. Findings include research from Sub-Saharan Africa and South Asia.

Organizer: Gerald E. Shively, Purdue University

Moderator: William A. Masters, Tufts University

Impacts of Agriculture on Nutrition: Nature of the Evidence and Research Gaps

Patrick Webb, Tufts University; Eileen Kennedy, Tufts University

Using High Resolution Remotely Sensed Data to Re-Examine the Relationship Between Agriculture and Fertility in a Pre-Transitional Setting

Kathryn Grace, University of Utah; Nicholas Nagle, University of Tennessee

Agriculture and Nutrition in Nepal and Uganda: Evidence from Survey and Remotely-Sensed Data

Gerald E. Shively, Purdue University; Molly E. Brown, NASA

Agricultural Development and Nutrition: A Dynamic Panel Analysis

Awudu Abdulai, University of Kiel; Jan Dithmer, University of Kiel

Concurrent Sessions Monday, 4:30 pm - 6:00 pm

1094 Working with Larger Producers: Strategies of Agribusiness Input Suppliers

Lobby Level, Virginia B

AEM Section Track Session

As agricultural producers continue to consolidate there appears to be a bi-modal distribution of farm revenues emerging. This session will focus on how input suppliers are working with large scale, commercial agricultural producers in a transitioning business-to-business relationship.

Organizer: Michael A. Gunderson, Purdue University

Discussant: Michael Boehlje, Purdue University

Large Commercial Producer Survey

Michael A. Gunderson, Purdue University; **Michael Boehlje**, Purdue University; **Allan W. Gray**, Purdue University; **David Widmar**, Purdue University

Evolving Role of Agricultural Cooperatives

Brian C. Briggeman, Kansas State University; **Aleksan Shanoyan**, Kansas State University

The Role of the Internet: Are Producers Using it to Procure Inputs and Its Effect on Gross Cash Income

Ashok K. Mishra, Louisiana State University; **Joshua D. Detre**, Louisiana State University; **Aditya R. Khanal**, Louisiana State University

Safety Culture Program

Michael A. Boland, University of Minnesota

1095 How to Effectively Grow Undergraduate Programs in Agricultural and Applied Economics

Lobby Level, Nathan Hale

SS-AAEA Section Track Session

As university budgets have tightened in recent years following the downturn in the economy, administrators have sharpened their emphasis on increasing student numbers. These increases are meant to demonstrate both continued relevance and to generate new revenues. Simultaneously, variations in the programs of study in the agricultural and life sciences available to undergraduates--including majors, concentrations, and emphases--have proliferated as departments in colleges of agriculture attempt to attract more students. Thus, successfully growing undergraduate student programs in agricultural and applied economics represents a formidable challenge in this current environment. However, the three presentations in this session will demonstrate that robust growth in student numbers in agricultural and applied economics is possible. The presentations will demonstrate that a successful recruiting strategy is not "one size fits all" by highlighting the accomplishments of a program at a land-grant university in the Southern region, a program at a land-grant university in the Western region, and the program of a regional university. The presenters will share their approaches and experiences and the remainder of the session will allow audience members to ask questions and engage in vigorous discussion.

Organizers: Sierra S. Howry, Angelo State University; James C. Miller, Mississippi State University

Moderator: James C. Miller, Mississippi State University

Presenters: Glenn C.W. Ames, University of Georgia; Penelope L. Diebel, Oregon State University; Sierra S. Howry, Angelo State University



Concurrent Sessions Monday, 4:30 pm - 6:00 pm

1096 Is it Healthier, Tastier, and Who Buys it?... – Current Issues Surrounding Organic Food Production and Consumption

Mezzanine Level, Johnson

FAMPS Section Track Session

Consumers are willing to purchase organic foods and pay premiums even for those products with less than 100% organic ingredients. This session offers an insight into current issues regarding organic consumption and production. All papers present current empirical studies.

Organizers: Carola Grebitus, Arizona State University; Christiane Schroeter, California Polytechnic State University, San Luis Obispo

Moderator: Dawn D. Thilmany McFadden, Colorado State University

The Influence of Trust and Attitudes on Organic and Conventional Consumption of Strawberries and Tomatoes

Jerome R. Dumortier, Indiana University-Purdue University Indianapolis; **Keith S. Evans**, St. Lawrence University; **Carola Grebitus**, Arizona State University; **Pamela Martin**, Indiana University-Purdue University Indianapolis

Dynamics in the Purchasing Behavior of Organic Produce

Christiane Schroeter, California Polytechnic State University, San Luis Obispo; **Xiaowei Cai**, California Polytechnic State University, San Luis Obispo

“Local Is the New Organic”: Do Consumers Agree?

Wuyang Hu, University of Kentucky; **Marvin T. Batte**, The Ohio State University; **Timothy A. Woods**, University of Kentucky; **Stanley C. Ernst**, The Ohio State University

1097 Social Media and the Impacts on Local Food System Marketing

Mezzanine Level, Taft

COSBAE Section Track Session

The emergence of the phenomenon known as “social media” is rapidly changing the way businesses communicate with customers. Social media is an efficient, cost-effective, “non-traditional” communication method that keeps businesses connected with customers. It allows businesses to promote their products and services and provide instant feedback. There are different categories of social media which include social networks (Facebook, LinkedIn, etc.), blogging, microblogging (Twitter), media sharing (Youtube, Instagram, etc.), forums and message boards, review and opinion sites, and bookmarking. Some of the benefits of utilizing social media as a marketing tool include lower marketing expenses, more business exposure, increasing traffic, and providing marketplace insight.

Although social media is rapidly growing and widely used in businesses, there is a lack of data on its use in agricultural businesses. The symposium objective is to synthesize previous research and experiences and highlight the use and growth of social media as a marketing tool and strategy in the local food movement. Questions addressed include: who are the people utilizing this tool (smaller or larger farms, producers or agritourism businesses, etc); what are the benefits and challenges to farmers utilizing this medium; is social media aiding in the local food movement; and can the use of social media in agriculture compare to other sectors? This symposium will facilitate discussions between industry representatives and the academic community to provide insight into the role of social media networking in local food marketing.

Organizers: Deacue Fields, III, Auburn University; Daniel V. Rainey, University of Arkansas; Ronald L. Rainey, University of Arkansas

Moderator: Deacue Fields, III, Auburn University

Leading Factors Impacting On-Line Business Marketing Strategies

Kenisha M. Reynolds-Allie, Auburn University; **Deacue Fields, III**, Auburn University

On-Line Direct Marketing Curriculum

Timothy A. Woods, University of Kentucky

Know Your Farmer, Know Your Food Program Impacts

Wendy Wasserman, USDA-Agricultural Marketing Service



Concurrent Sessions Monday, 4:30 pm - 6:00 pm

1098 Working on the Hill: Observations from Two Former Ag Committee Economists

Lobby Level, Salon 3

Organized Symposium/Beltway Track Session

This symposium provides an insider's perspective on how the Congress works (or doesn't work) in developing farm bills and other ag legislation. Stephanie Mercier worked for the Senate Ag Committee for more than 14 years for two Democratic Chairs/Ranking Members before retiring from the Hill in March, 2011. Craig Jagger worked for the House Ag Committee for more than 11 years for two Republican and one Democratic Chairmen/Ranking Members and for more than 5 years for the Congressional Budget Office before retiring from the Hill in October, 2012.

Organizer: Craig Jagger, Legis Consulting, LLC

Moderator: Joy L. Harwood, USDA-Farm Service Agency

Panelists: Craig Jagger, Legis Consulting, LLC; Stephanie A. Mercier, Agricultural Policy Consultant

1099 New Protectionism Trend in Latin America Under the Crisis: Opportunities or Risks to Agricultural

Lobby Level, Delaware B

Invited Paper

This session studies the impacts on agricultural households of the crisis and recent protectionism, under different market structures, for different crops, different net positions (net exporter, net importer), and taking into account the different socioeconomic aspects of relevance in a given Latin American country.

Organizer: Sara A. Wong, Escuela Superior Politecnica del Litoral

Moderator: Sara A. Wong, Escuela Superior Politecnica del Litoral

Discussant: David Laborde, International Food Policy Research Institute

Crisis, Protectionism and Agricultural Households' Welfare and Poverty in Ecuador

Sara A. Wong, *Escuela Superior Politecnica del Litoral*

The Welfare Effect of the New Wave of Protectionism: the Case of Argentina

Nicolas Depetris Chauvin, Universidad de Buenos Aires; Maria Priscila Ramos, Universidad Argentina de la Empresa

Rise in Protectionism in the Latin America: Opportunity for Agriculture Sector in Uruguay?

Carmen Estrades, Universidad de la Republica; David Laborde, International Food Policy Research Institute

Concurrent Sessions Monday, 4:30 pm - 6:00 pm

1100 Economic Implications and Policy Responses to Climate Change

Lobby Level, Virginia C

Extension and Senior Section Track Session

The overall goals of the session are to: convey the current state of climate science, especially with respect to implications for agricultural production; examine the kinds of economic and policy problems generated by climate change and some ways to respond; and illustrate one or more areas of agricultural policy that may be forced to adjust as a result of climate change. The increasing frequency of catastrophic and unusual weather events challenges risk management strategies as well as public programs designed to deal with risk. A climate scientist from NOAA will summarize the state of scientific knowledge on climate variability and change and describe how that knowledge is used to create projections of future climate that can inform decisions. An agricultural economist experienced in projecting climate change impacts on agriculture will carry the discussion from climate projections to the projections being made of these impacts on crop yields and variability that increase risk for producers. A second agricultural economist will examine implications for agricultural risk management, with special attention to crop insurance, and address the challenges posed by climate change with regard to pricing of insurance, estimating yields, and the extent to which ill-designed crop insurance may create disincentives for adaptation to climate change.

Organizer: Otto C. Doering, III, Purdue University

Moderator: Otto C. Doering, III, Purdue University

Climate Change Science: What the Agricultural Industry Needs to Know About It

Keith Dixon, *National Oceanic and Atmospheric Administration*

Projecting the Impacts of Potential Climate Change on Agriculture

Bruce A. McCarl, *Texas A&M University*

The Implications of Climate Change for Risk Management in Agriculture

Barry J. Barnett, *Mississippi State University*

1101 New and Emerging Issues in Economics of Food

Lobby Level, Delaware A

CAES Organized Symposium

Structured around Ted-style conference sessions, this Organized Symposium will bring together leading and emerging thinkers who explore questions related to the economics of food. Speakers will focus on emerging research questions and methods in their respective fields. The dialogue is intended to stimulate new thinking and thinkers in the discipline. No discussants will be used; rather discussion will rely on the audience to participate through Q&A.

Moderator: Jill E. Hobbs, University of Saskatchewan

Safety and Climate Change

Sandra Hoffmann, *USDA-Economic Research Service*

A Market for Animal Welfare

Jayson L. Lusk, *Oklahoma State University*

Fields, Foodies, and Bodies: the Economics of Nutrition in a Food System Perspective

Sean B. Cash, *Tufts University*

Food Label Communication: Making Information More Accessible to Consumers

Joshua P. Berning, *University of Connecticut*



Concurrent Sessions Monday, 4:30 pm - 6:00 pm

2001 Emerging Trends in Chinese Food Demand

Mezzanine Level, Harding

Organized Symposium

This organized symposium session highlights works-in-progress on emerging trends in Chinese food demand. Four panelists will discuss empirical work they are doing on (1) analysis of meat demand in urban China and the growing role of meat consumed away from home, which most previous studies have not considered; (2) a meta-analysis of income and price elasticities of demand for food and agricultural products in China, and how these demand elasticities may change in the future with continued rapid economic growth; (3) development of a diet quality index for urban Chinese consumers and evaluation of the quality of food purchased from different venues; and (4) an abnormal trend in official statistics on rural food consumption, which show per capita consumption of many foods declining in recent years, and why these statistics may not reflect what is actually occurring. A discussant will comment on these works, followed by discussion between and among the panelists, a discussant, and the audience.

Organizers: David Abler, Pennsylvania State University, By The Numbers; Xiaohua Yu, University of Göttingen

Moderator: Wyatt W. Thompson, University of Missouri

Discussant: James M. Hansen, USDA-Economic Research Service

Panelists: David Abler, Pennsylvania State University, By The Numbers; Junfei Bai, Chinese Academy of Sciences; Thomas I. Wahl, North Dakota State University; Xiaohua Yu, University of Göttingen

2002 A Revaluation of Pest Resistance Management Strategies: Bio-Economic Perspectives

Mezzanine Level, Hoover

Organized Symposium

Pest and weed resistance is a perennial problem with which farmers, input suppliers, and researchers have had to contend for at least the past century or more, and especially since the advent of modern crop resistance breeding and chemical methods of pest and weed control. The increasing use of bio-based resistance technologies over the past 15 years has changed some aspects of the problem, but not the fundamentals of managing and mitigating the co-evolutionary pressures of resistance build-up in modern agriculture. Increasing crop yields to meet the projected worldwide growth in demand for crop production, particularly in the face of the present and prospective breakdown of key weed and pest resistance technologies, is giving rise to a host of complex, inter-related public policy and R&D, private technology development and marketing, and crop production and storage concerns. This session will review and evaluate both the biology and economics of crop resistance, drawing on a range of examples and studies in Australia, the United States and elsewhere in the world. Both the long- and short-term implications of resistance management will be considered, and lessons will be drawn with regard to the research, policy and regulatory implications of crop protection resistance.

Organizers: Terrance M. Hurley, University of Minnesota; Philip G. Pardey, University of Minnesota; Peter G. Warr, Australian National University

Moderator: Peter G. Warr, Australian National University

The Management of Insecticide and Herbicide Resistance: Slowing Evolution
Rick Roush, University of Melbourne

The Management of Herbicide Resistance
Rick S. Llewellyn, Commonwealth Scientific and Industrial Research Organization, Australia

Transgenic Crops and Pest Resistance: Lesson Emerging From the US
Terrance M. Hurley, University of Minnesota

Concurrent Sessions Tuesday, 9:30 am–11:00 am

2003 Creating and Documenting Extension Program with Public-Value-Level Impacts

Mezzanine Level, Wilson A

Organized Symposium

This session will discuss the best practices in creating Extension programs to achieve public-value-level impacts as shown in Extension programs around the US. Additionally, formal program evaluation tools and impact documentation methods will be discussed, including documenting the impacts of Extension/outreach work in order to succeed in the academic P&T process.

Organizers: Kynda R. Curtis, Utah State University; Elton Mykerezi, University of Minnesota

Moderator: Elton Mykerezi, University of Minnesota

Panelists: Kynda R. Curtis, Utah State University; Laura T. Kalambokidis, University of Minnesota; Jo Ann T. Warner, Washington State University

2004 Agricultural Finance and Policy

Mezzanine Level, Wilson B

Selected Presentation

Papers in this session focus on the impact of policy on farm performance, stock price, and employment. Three of the four papers investigate the impact of increased credit access from banking deregulation on farm performance, the effect of Farm Bill on market performance of certain stocks, and the effect of the European Common Agricultural Policy on farm employment, respectively. The session also includes research investigating whether racial discrimination exists in USDA loan approval.

Moderator: Charles B. Dodson, Farm Service Agency

The Impact of Interstate Bank Branching Deregulations on the US Agricultural Sector: From Better Access to Credit to Higher Farm Sales and Profits

Amy Kandilov, Research Triangle Institute International; Ivan T. Kandilov, North Carolina State University

Do Stock Market Prices Reflect the Relevant Information from Government Policies? Evidence from the Food, Conservation, and Energy Act of 2008

Bruno Arthur, University of Kentucky; Ani Katchova, University of Kentucky

Effects of the Common Agricultural Policy on Non-Family Farm Employment in Primary and Secondary Agricultural Areas

Anna M. Klepacka, Warsaw University of Life Sciences; Tadeusz Sobczynski, Bydgoszcz University of Technology and Life Sciences;

Wojciech J. Florkowski, University of Georgia

Racial/Ethnic Discrimination in USDA's Direct Farm Lending Programs

Charles B. Dodson, Farm Service Agency

2005 Behavioral Insights into Natural Resource Management

Mezzanine Level, Wilson C

Selected Presentation

This session develops behavioral tools for understanding the influence of cooperation and social norms in managing natural resources.

Moderator: Gabriel Dunham, National Oceanic and Atmospheric Administration

Cooperation Makes it Happen? Groundwater Management in Aguascalientes: An Experimental Approach

Rodrigo Salcedo, Pennsylvania State University; Miguel Ángel Gutiérrez Macías, Universidad Autónoma de Aguascalientes

Reducing Urban Water Demand Through Social Norms

Daniel A. Brent, University of Washington; Joseph Cook, University of Washington; Syklar Olsen, University of Washington

Cash for Cooperation? Payments for Ecosystem Services and Common Property Management in Mexico

Patricia Yanez-Pagans, University of Wisconsin

The Effect of Fishery Management on Information Sharing Networks and Social Capital

Gabriel Dunham, National Oceanic and Atmospheric Administration; Emi Uchida, University of Rhode Island; Hirotsugu Uchida, University of Rhode Island



Concurrent Sessions Tuesday, 9:30 am–11:00 am

2006 Food Demand in the US

Mezzanine Level, McKinley

Selected Presentation

The papers in this section explore the demand for a variety of domestic and imported food products in the US

Moderator: Yasser Bouhlal, The Dow Chemical Company

Meat Demand in the US During and After the Great Recession

Francis A. Darko, Purdue University; **James S. Eales, II**, Purdue University

Domestic and Foreign Sources of US Demand for Fresh Vegetables and Melons

James L. Seale, Jr., University of Florida; **Lisha Zhang**, University of Florida; **Mohamad Rafic Traboulsi**, University of Florida

Estimation of Import Demand for Fishery Products in the US Using the Source Differentiated Aids Model

Xiaojin Wang, University of Kentucky; **Michael R. Reed**, University of Kentucky

Estimating the Censored Demand for US Cheese Varieties Using Panel Data: Impact of Economic and Demographic Factors

Yasser Bouhlal, The Dow Chemical Company; **Oral Capps, Jr.**, Texas A&M University; **Ariun Ishdorj**, Texas A&M University

2007 Examining Consumer Responses to Retail and Restaurant Marketing Strategies

Mezzanine Level, Balcony A

Selected Presentation

The presentations in the session will explore a diverse set of strategies being used by food retailers, national brands and restaurants, and how consumers respond to those strategies.

Moderator: Timothy J. Richards, Arizona State University

Analysis of Retailer Pricing in the Presence of Coupons: An Examination of Breakfast Cereal Industry

Hualu Zheng, University of Connecticut; **Joshua P. Berning**, University of Connecticut

The Effects of Package Downsizing on Food Consumption

Metin Cakir, University of Saskatchewan; **Joseph V. Balagtas**, Purdue University; **Abigail M. Okrent**, USDA-Economic Research Service

What Happens When Food Marketers Require Restrictive Farming Practices?

Tina L. Saitone, University of California, Davis; **Richard J. Sexton**, University of California, Davis; **Daniel A. Sumner**, University of California, Davis

Anonymous Social Networks Versus Peer Networks in Restaurant Choice

Timothy J. Richards, Arizona State University; **Ashutosh Tiwari**, Arizona State University

2008 Nutrition and Policy

Lobby Level, Salon 1

Selected Presentation

The papers presented in this section center around two issues: First, consumption effects related to Supplemental Nutrition Assistance Program (SNAP) in the United States. Second, the effect of government intervention via advertising on food consumption.

Moderator: Carlos E. Carpio, Clemson University

Household and Intersectoral Effects of Reduced SNAP Expenditures: A Computable General Equilibrium Analysis

Jeffrey J. Reimer, Oregon State University; **Tyler West**, Oregon State University

Revisiting the SNAP Cycle of Food Intake: Investigating Heterogeneity and Diet Quality

Jessica E. Todd, USDA-Economic Research Service

Does Government Sponsored Advertising Increase Social Welfare?

Carlos E. Carpio, Clemson University; **Olga U. Isengildina-Massa**, University of Texas at Arlington

Concurrent Sessions Tuesday, 9:30 am–11:00 am

2009 Income and Market Stabilization Tools

Lobby Level, Park 8206

Selected Presentation

This section centers around income and market stabilization tools for farmers. Examples are presented from the US, the European Union and Norway.

Moderator: Sébastien Mary, European Commission

Reducing Milk Production to Improve Milk Prices: A Study of the Impacts of a Market Stabilization Program on US Dairy

Uthra K. Raghunathan

Whither Dairy Policy? Evaluating Expected Government Outlays and Distributional Impacts of Alternative 2013 Farm Bill Dairy Title Proposals

John C. Newton, The Ohio State University; **Marin Bozic**, University of Minnesota; **Cameron S. Thraen**, The Ohio State University; **Brian W. Gould**, University of Wisconsin; **Mark W. Stephenson**, Cornell University

Direct Payments, Spatial Competition, and Growth in the Norwegian Farm Sector

Hugo Storm, University of Bonn; **Klaus Mittenzwei**, Norwegian Agricultural Economics Research Institute; **Thomas Heckeleei**, University of Bonn

An Ex-Ante Impact Assessment of EU's Cap Income Stabilization Tools

Sébastien Mary, European Commission; **Ashok K. Mishra**, Louisiana State University; **Sergio Gomez Y Paloma**, Sergio, European Commission

2010 Effects of SNAP on Dietary Quality

Lobby Level, Park 8209

Selected Presentation

In this session, the effects of SNAP and WIC on dietary quality are evaluated. We start off by discussing SNAP's dynamics among young adults and its benefits on food security. One presentation analyzes the effect of food stamps on women's obesity and the fourth presentation evaluates WIC's dairy nutrient delivery.

Moderator: Eliza M. Mojduszka, USDA-Office of the Chief Economist

The Path to SNAP: Supplemental Nutrition Assistance Program Dynamics Among Young Adults

Erik Scherpf, USDA-Economic Research Service

The Effect of SNAP Benefits for Food Insecurity

David E. Davis, South Dakota State University; **Rui Huang**, University of Connecticut

Forward Looking Decision Making: The Effect of Food Stamp Program Participation on Women's Obesity in the NISY

Ying Huang, Iowa State University; **Wallace E. Huffman**, Iowa State University

Retrospective Evaluation of the WIC Program: Dairy Nutrient Delivery

Eliza M. Mojduszka, USDA-Office of the Chief Economist; **Linda Abbott**, USDA-Office of the Chief Economist, Office of Risk Assessment and Cost-Benefit Analysis



Concurrent Sessions Tuesday, 9:30 am–11:00 am

2011 Food Consumption, Health, and Income

Lobby Level, Park 8212

Selected Presentation

Presentations consider the relationship between food consumption, health status and income in different countries.

Moderator: Jun Zhang, University of Tennessee

Labor Supply and Food Consumption Behavior of Farm Households: Evidence from South Korea

Hyunjeong Joo, Louisiana State University; **Ashok K. Mishra**, Louisiana State University

The Role of Health Status on Income in China

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

Household Food Expenditures at Home and Away from Home in Turkey

Mehmet Bozoglu, Ondokuz Mayıs University; **Abdulkali Bilgic**, Ataturk University; **Steven T. Yen**, The University of Tennessee; **Chung L. Huang**, University of Georgia

Depressive Symptoms and Endogenous Physical Activity: An Ordered Probability Approach

Jun Zhang, University of Tennessee; **Steven T. Yen**, University of Tennessee

2012 Competition in Retail Food Markets

Lobby Level, Park 8216

Selected Presentation

Papers in this session address market power and competition among food retailers.

Moderator: Elena Castellari, Università Cattolica del Sacro Cuore

Non-Price Competition and the California WIC Program

Patrick W. McLaughlin, University of California, Davis; **Tina L. Saitone**, University of California, Davis; **Richard J. Sexton**, University of California, Davis

On Endogeneity of Retail Market Power in An Equilibrium Analysis: A Control Function Approach

Vardges Hovhannisyan, University of Minnesota; **Kyle W. Stiegert**, University of Wisconsin; **Marin Bozic**, University of Minnesota

Reputation and Multiproduct-Firm Behavior: Product Line and Price Rivalry Among Retailers

Shaoyan Sun, University of Alberta; **Henry An**, University of Alberta

Measuring the Impact of Retailer Strategies on Food Price Inflation Using Scanner Data

Daniele Moro, Università Cattolica del Sacro Cuore; **Silvia Platoni**, Università Cattolica del Sacro Cuore; **Paolo Sckokai**, Università Cattolica del Sacro Cuore; **Elena Castellari**, Università Cattolica del Sacro Cuore



Concurrent Sessions Tuesday, 9:30 am–11:00 am

2013 Contracting and Market Structure in Developing Countries

Lobby Level, Park 8219

Selected Presentation

Institutional aspects of agricultural and development policy influence welfare outcomes. These papers consider the role of contracting and incentives water, agricultural crop and land markets.

Moderator: Erik Lichtenberg, University of Maryland

Contracting for Groundwater Irrigation: A Principal-Agent Based Approach to Determining Contract Effectiveness

Jeffrey D. Michler, *Purdue University*; **Steven Y. Wu**, *Purdue University*

The Wage Premium and Market Structure: The Case of South Korea and Taiwan

Meng-Fen Yen, *The Ohio State University*; **Mario J. Miranda**, *The Ohio State University*

The Global Food Price Crisis and China-World Rice Market Integration: A Spatial-Temporal Rational Expectations Equilibrium Model

Randall Romero-Aguilar, *The Ohio State University*; **Shu-Ling Chen**, *National Taipei University*; **Xianglin Liu**, *The Ohio State University*; **Mario J. Miranda**, *The Ohio State University*

Balancing Act: Economic Incentives, Administrative Restrictions, and Urban Land Expansion in China

Juan Feng, *World Bank*; **Erik Lichtenberg**, *University of Maryland*; **Chengri Ding**, *University of Maryland*

2014 Non-Tariff Constraints to International Trade

Lobby Level, Park 8226

Selected Presentation

Much attention in current trade literature is focused on identifying and quantifying the impact of non-tariff trade barriers. Extending this conversation, this session examines a variety of implicit and explicit barriers. Authors of these papers propose alternative means to assess the impacts of these barriers, examine their effect on the composition of trade, and consider the role of domestic policy in shaping trade constraints.

Moderator: Bruno Larue, Université de Laval

Non-Tariff Barriers as Bridge-to-Cross

Devesh Roy, *International Food Policy Research Institute*; **Abdul Munasib**, *Oklahoma State University*

Credit Constraints, Technology Choice and Exports - A Firm Level Study for Latin American Countries

Syed Hasan, *The Ohio State University*

Do Trade Costs Affect the Extensive Margin of Trade? Lessons from US Fresh Fruit and Vegetable Imports

Mina Hejazi, *Virginia Polytechnic Institute and State University*; **Jason H. Grant**, *Virginia Polytechnic Institute and State University*; **Everett Peterson**, *Virginia Polytechnic Institute and State University*

Quality Standards, International Trade

Carl Gagné, *French National Institute*; **Bruno Larue**, *Université de Laval*

Concurrent Sessions Tuesday, 9:30 am–11:00 am

2016 Methodological Topics in Productivity

Lobby Level, Maryland A

Selected Presentation

This session focuses on methodological advances in productivity. In particular, the following topics are discussed: nonparametric approaches used to analyze technology and productivity under non-convexity, a local maximum likelihood approach employed to assess technical efficiency, a two-stage DEA (data envelopment analysis) used to measure technical changes, and a structural model at the firm level used to assess the impact of technologies on economic growth.

Moderator: Allen M. Featherstone, Kansas State University

Nonparametric Analysis of Technology and Productivity Under Non-Convexity

Kwansoo Kim, Seoul National University; Jean-Paul Chavas, University of Wisconsin

Biased Technology and Contribution of Technological Change to Economic Growth: Firm-Level Evidence

Hongsong Zhang, Pennsylvania State University and Hong Kong University

Decomposing Production Heterogeneity for Different Contextual Environments: Two-Stage DEA Application to the Measurement of Technical Change

Kota Minegishi, University of Maryland

Technical Efficiency of Kansas Arable Crop Farms: A Local Maximum Likelihood Approach

Bouali Guesmi, CREDA-UPC-IRTA; Teresa Serra, CREDA-UPC-IRTA; **Allen M. Featherstone**, Kansas State University

2017 Modeling the Effects of Biofuels Policy

Lobby Level, Maryland B

Selected Presentation

The effects of biofuels policy and subsidies on land use and the fuel ethanol industry are examined.

Moderator: Dileep K. Birur, Research Triangle Institute International

An Analysis of the Effects of Government Subsidies on the Fuel Ethanol Industry: A Structural Econometric Model

Fujin Yi, Nanjing Agricultural University; C.-Y. Cynthia Lin, University of California, Davis; Karen E. Thome, University of California, Davis

Economic and Land Use Consequences of Biofuel Production and Policy With Application of US and EU Sustainability Criteria

Krissana Treesilvattanakul, Purdue University; **Wallace E. Tyner**, Purdue University; Farzad Taheripour, Purdue University

Assessing Tradeoffs Under the Renewable Fuel Standard: A General Equilibrium Analysis

Yongxia Cai, Research Triangle Institute International; Dileep K. Birur, Research Triangle Institute International; Robert H. Beach, Research Triangle Institute International; Lauren Davis, Research Triangle Institute International

Analyzing Global Implications of US Biofuels Policies in a Dynamic General Equilibrium Framework

Dileep K. Birur, Research Triangle Institute International; Alla Golub, Purdue University; Thomas W. Hertel, Purdue University; Robert H. Beach, Research Triangle Institute International



Concurrent Sessions Tuesday, 9:30 am–11:00 am

2018 Water Resource Modeling and Policy

Lobby Level, Maryland C

Selected Presentation

Declining surface and groundwater resources and increased irrigation and use of water for biofuels pose challenges for water resource management. This session examines policy options and models behavior.

Moderator: Jeffrey A. Savage, USDA-Economic Research Service

Evaluating the Performance of Non-Price Residential Water Conservation Programs Using Quasi-Experiments

Tatiana Borisova, *University of Florida*; **Pilar Useche**, *University of Florida*

Water Reliability, Irrigation Adoption, and Land Use Changes in the Presence of Biofuel Production

Farzad Taheripour, *Purdue University*; **Thomas W. Hertel**, *Purdue University*; **Jing Liu**, *Purdue University*

Water Banks, Markets, and Consumptive Use: A Comparison of Water Trading Instruments in the Eastern Snake River Plain

Sanchari Ghosh, *Boise State University*; **Kelly M. Cobourn**, *Boise State University*; **Levan Elbakidze**, *University of Idaho*

Does Pumping Pay: Groundwater Management Institutions and Cropland Values in Nebraska

Jeffrey A. Savage, *USDA-Economic Research Service*; **Jennifer E. Ifft**, *USDA-Economic Research Service*

2019 The Role of Structural versus Nonstructural Modeling in Agricultural and Resource Economics Research

Lobby Level, Virginia A

Econometrics Section Track Session

All good empirical work is in some way grounded in economic theory. But the exact role economic theory should play in the specification and estimation of empirical models remains an open question among practitioners. In recent years there has been much back and forth on this topic, both in the general economics profession broadly as well as in the agricultural and resource economics profession more narrowly. Specifically, there is an ongoing debate about the role of structural versus nonstructural modeling. An offshoot of this debate has been a renewed focus on the role of model identification and the use of plausibly exogenous variation to identify key policy parameters in econometric models. While this organized symposium will not resolve this issue, several leading researchers have agreed to make brief presentations regarding their take on the topic. The goal is to have each of the three individuals/groups make some brief remarks, lasting around ten minutes each. In turn, by limiting the time for formal presentations, our goal is to encourage a free and lively discussion amongst audience participants as well as the presenters.

Organizer: Timothy Beatty, University of Minnesota

Presenters: Barry K. Goodwin, North Carolina State University; Jeffrey T. LaFrance, Monash University; Anh Nam Tran, North Carolina State University

Concurrent Sessions Tuesday, 9:30 am–11:00 am

2020 Deception in Economic Experiments: History, Benefit-Cost Analysis, and Recommendations

Lobby Level, Virginia B

IBES Section Track Session

Whether deception should ever be allowed in social science experiments is controversial. Some fields, like psychology, embrace deception as a tool. Economists, however, have been slower to embrace deception in experiments, and the AJAE recently instituted a policy where they will not publish results from economics experiments where deception was used. In this session, we bring together several experimental economists to discuss this issue. The presentations will include a history of the use of deception in non-economic experimental work, a review of economists arguing against allowing deception in experimental auctions, and a review of economists arguing for deception in experimental auctions. Finally, our discussants will discuss the other presentations and will help provide an answer to the question: “When, if ever, should deception be used in experimental economics?”

Organizer: Matthew C. Rousu, Susquehanna University

Moderator: Jayson L. Lusk, Oklahoma State University

Discussant: Brian E. Roe, The Ohio State University

History of Deception in Non-Economic Experiments

Jay R. Corrigan, *Kenyon College*

A Review of the Arguments Against Deception in Economic Experiments

Matthew C. Rousu, *Susquehanna University*

A Review of the Arguments for Deception in Economic Experiments

Carola Grebitus, *Arizona State University*; **Gregory J. Colson**, *University of Georgia*

When, If Ever, Should Deception Be Allowed in Economic Experiments?

Maria L. Loureiro, *University of Santiago de Compostela*

2021 US-Latin America Free Trade Agreement Implementation and Impacts

Lobby Level, Virginia C

Latin American Section Track Session

This track session will look at the History of US Free Trade Agreements with Latin American countries and their effects in agricultural trade flows and trade agreement policies. The panel will be divided into three main regions, including North America, Central America and the Caribbean and South America. Special topics of interest include the impacts of freer trade to trade flows of specific agricultural sectors, food security, food safety and traceability, nutrition policies, regulatory and implementation issues, and the future of trade policy.

Organizers: Oscar Nunez, Embassy of Honduras; Marco A. Palma, Texas A&M University; Luis A. Ribera, Texas A&M University

Discussant: Ronald D. Knutson, Texas A&M University

The NAFTA Impacts to US Agriculture

C. Parr Rosson, III, *Texas A&M University*; **Flynn J. Adcock**, *Texas A&M University*; **P. Lynn Kennedy**, *Louisiana State University*

The CAFTA-DR Impacts to US Agriculture

Oscar Nunez, *Embassy of Honduras*

The Impacts of South American Fta to US Agriculture

Constanza Valdes, *USDA-Economic Research Service*

Concurrent Sessions Tuesday, 9:30 am–11:00 am

2022 Food Safety Regulation and North American Economic Integration

Mezzanine Level, Taylor

FSN Section and CAES Track Session

Since NAFTA has allowed North American food production and processing industries to become increasingly integrated across national boundaries. The XL outbreak in Canada in fall 2012 illustrates a fundamental challenge posed by these developments: maintaining national food safety standards while minimizing the impact of national regulation on economic integration. The US, Canada and Mexico are working on enhanced regulatory cooperation through the Regulatory Cooperation Council (US and Canada) and the United States-Mexico High-Level Regulatory Cooperation Council. This session focuses on the meat industry and efforts at regulatory cooperation between the US and Canada to increase the reliability of meat safety.

Organizers: Ellen W. Goddard, University of Alberta; Sandra Hoffmann, USDA-Economic Research Service; Helen H. Jensen, Iowa State University; Derrick R. Jones, Food Standards Agency UK

Moderator: Sandra Hoffmann, USDA-Economic Research Service

The Regulatory Cooperation Council and Food Safety: A Canadian Perspective

Dennis Laycraft, *Canadian Cattleman's Association*

US and Canadian Food Safety Regulation and the 2012 XI Foods E. Coli O157: H7 Outbreak

Ellen W. Goddard, *University of Alberta*

Regulatory Integration Efforts in the North American Beef Processing Industry

William Westman, *American Meat Institute*

Regulatory Integration of Food Safety: Lessons from a European Perspective

Derrick R. Jones, *Food Standards Agency UK*

2023 Measuring and Valuing the Collaboration of Agricultural and Applied Economists in Research, Teaching, and

Mezzanine Level, Taft

NAAEA Section Track Session

Explicit and implicit markets exist for disciplinary and multi-disciplinary research, extension, and teaching but the challenge is measuring and determining market value to assess market efficiency. The nature of social problems in agriculture, food, and natural resources often requires greater depth and breadth of expertise, but both impact and productivity metrics and the valuation of outputs are required for efficient allocation of resources and long term sustainability of the nation's academic infrastructure. Valuation and impact assessment become more difficult when issue analysis requires expertise from researchers and educators from multiple disciplinary backgrounds. It is thus essential that measures provide accurate impact assessment while at the same time being consistent with public research, extension, and teaching needs and objectives. This track session is focused on assessing metrics needed for collaborative efforts to enhance internal prioritizing while also defining output values. The discussion includes insight from academic practitioners and from federal research and outreach leaders.

Organizers: Susan M. Capalbo, Oregon State University; David K. Lambert, Kansas State University

Moderator: David K. Lambert, Kansas State University

Panelists: Mary E. Bohman, USDA-Economic Research Service; Susan M. Capalbo, Oregon State University; Alan Love, Washington State University; Robbin Shoemaker, National Institute of Food and Agriculture; Loren W. Tauer, Cornell University

Concurrent Sessions Tuesday, 9:30 am–11:00 am

2024 Successes and Challenges of Transferring Teaching Data/Experiences Into Scholarly Outputs

Mezzanine Level, Balcony B

CWAE and TLC Section Track Session

This session will provide practical information for our colleagues who are looking to develop a scholarly trajectory for their teaching and/or extension activities. There is a need to establish a scientific based system to disseminate teaching and outreach impacts. Educators, in regular classrooms or extension services, are often responsible for translating research information into practical knowledge for learner to apply in the real world. There is a growing interest among journal editors to seek high quality articles that present unique pedagogy, innovative curriculum, comparison and contrast programs, and impacts of learning on applications. It is also essential for educators to publish and present strategies what will bridge the gaps between theories and practices in different learning environments.

Organizers: Chyi-Lyi (Kathleen) Liang, University of Vermont; Leah Greden Mathews, University of North Carolina at Asheville

Moderator: Leah Greden Mathews, University of North Carolina at Asheville

Discussant: Victoria Salin, Texas A&M University

Panelists: Paul Dunn, University of Louisiana At Monroe; Chyi-Lyi (Kathleen) Liang, University of Vermont

Getting the Most Out of Something You Are Already Doing

Molly Espey, *Clemson University*

Knowledge Retention in Quarters Versus Semesters

Subbu Kumarappan, *The Ohio State University*

Undergraduate Learning Through Research and On-Campus Consulting: A Multi-Course Experience

Jerrold Penn, University of Kentucky; Wuyang Hu, University of Kentucky; Leigh J. Maynard, University of Kentucky

2025 Will Water Become a More Limiting Resource for Food Production

Mezzanine Level, Truman

Senior Section Track Session

A looming water crisis could increasingly affect food production and threaten global food security. Water scarcity will play out unevenly among regions of the world, affecting patterns of food trade flows and possibly patterns of population migration. This session will focus on when and where water may become scarce, the causes of that scarcity, the changes in agricultural production that may result, and the policy implications of these changes. Population growth, economic development, failing water-management institutions, rising incomes and changing diets, and climate change are increasingly the cause of growing water scarcity and food security policy concerns worldwide. Global population growth alone, forecasted to increase from 6.9 billion in 2010 to 9.1 billion people by 2050, is expected to require an increase in global cereal grain production of over half a billion metric tons by 2020. Rising incomes in developing countries is also expected to increase the demand for meat products, further increasing the demand for grains to feed livestock. The United Nations estimates that to meet the global food demands in 40 years, global food output will need to rise by 40 percent.

Organizer: Glenn D. Schaible, USDA-Economic Research Service

Moderator: Noel R. Gollehon, USDA-Natural Resources Conservation Service

Discussant: Ariel Dinar, University of California, Riverside

Global Dimensions of the Growing Water-Scarcity/Food Security Nexus

Lester R. Brown, *Earth Policy Institute*

US Irrigated Agriculture and Water-Scarcity: Implications for a Sustainable Future

Glenn D. Schaible, *USDA-Economic Research Service; Marcel P. Aillery, USDA-Economic Research Service*

Policy Options for a World Facing Water-Scarcity/Food Security Issues: Global Perspectives

Mark W. Rosegrant, *International Food Policy Research Institute*

Concurrent Sessions Tuesday, 9:30 am–11:00 am

2026 Emerging Land Issue in African Agriculture and their Implications for Rural Development Strategies

Mezzanine Level, Johnson

International Section Track Session

This proposed AAEA session addresses under-researched questions about the linkages between land constraints, farm size and productivity, and rural welfare in Africa. Recent studies show relatively weak evidence of farm intensification in response to rising rural population densities, implying the need for a re-assessment of agricultural development strategies in Africa, particularly for policies related to intensification, diversification (migration and rural nonfarm employment) and land expansion or redistribution (including resettlement and the role of large farms).

The session features three papers providing a mixture of theoretical analysis and literature review to identify the state of existing understanding, new hypotheses emerging from recent evidence, as well as state-of-the-art empirical studies, including a cross-country review of regional databases and institutional contexts to take stock of the current land access situation in the region.

Organizer: Thomas S. Jayne, Michigan State University

Moderator: Derek Byerlee, Independent

Discussant: Derek Byerlee, Independent

Exploring the Paradox of Small Farms and Land Abundance in Africa: Theories, Facts and Mysteries

Derek Headey, *International Food Policy Research Institute*; **Thomas S. Jayne**, *Michigan State University*; **Jordan Chamberlin**, *Michigan State University*

Resolving the Paradox of Land Constraints Amidst Land Abundance

Jordan Chamberlin, *Michigan State University*; **Liangzhi You**, *International Food Policy Research Institute*; **Derek Headey**, *International Food Policy Research Institute*

Land Policy Constraints to Agricultural Intensification and Land Market Operation: Evidence from Nine African Countries

Klaus W. Deininger, *World Bank*; **Joan Kagwanja**, *United Nations Economic Commission for Africa*

2027 Private and Public R&D - What's the Optimal Division of Labor?

Lobby Level, Delaware B

Invited Paper

Examines lessons from recent experiences in the US, Canada and elsewhere and draw conclusions about the factors that determine the optimal division of labor between the public and private sector in agrifood R&D, both in terms of the overall performance (productivity/efficiency) of the innovation system and its distributional implications.

Organizer: Nicholas G. Kalaitzandonakes, University of Missouri

Moderator: Nicholas G. Kalaitzandonakes, University of Missouri

Discussant: Julian M. Alston, University of California, Davis

Public and Public R&D in the Agrifood and the Division of Labor

Keith O. Fuglie, *USDA-Economic Research Service*; **Andrew A. Toole**, *USDA-Economic Research Service*

Privatization of Wheat Research in Canada – Optimal Strategies

Richard S. Gray, *University of Saskatchewan*; **Murray E. Fulton**, *University of Saskatchewan*

Private R&D in the US Corn, Cotton and Soybean Sectors: Performance and Distribution of Rents

Nicholas G. Kalaitzandonakes, *University of Missouri*; **Alexandre H. Magnier**, *University of Missouri*; **Christos Kolympiris**, *University of Missouri*



Concurrent Sessions Tuesday, 9:30 am–11:00 am

2028 Graduate Student Extension Competition

Mezzanine Level, Tyler

Extension and GSS Section Track Session

The Extension and Graduate sections of the AAEA will conduct a competition for graduate students. This competition involves extension and outreach applications, plans, and programs as developed by the graduate student competitors. One of the primary purposes of the competition is to encourage graduate students to include in their professional education some appropriate and well developed extension relevant analysis and planning related to their overall program.

Organizers: Michael R. Langemeier, Purdue University; Brandon R. McFadden, Oklahoma State University

2029 Collective Reputation, Authenticity and Traceability Issues in Food Markets

Lobby Level, Delaware A

CAES Organized Symposium

This session brings together a set of three papers exploring collective industry reputation with respect to food safety and food quality from both theoretical and empirical perspectives. The papers will address respectively: reputation-tapping as a market entry strategy in the wine sector, authenticity and adulteration issues in food markets, and the role of traceability in reducing negative reputation spillovers from food safety problems.

Moderator: Jill E. Hobbs, University of Saskatchewan

Discussant: Sven M. Anders, University of Alberta

Reputation Tapping and New Wine Regions

*Bradley J. Rickard, Cornell University; **Jill J. McCluskey**, Washington State University; Richard Patterson, Cornell University*

Collective Reputation and Authenticity: the Role of Technology

*Albert I. Ugochukwu, University of Saskatchewan; **Jill E. Hobbs**, University of Saskatchewan; Peter WB Phillips, University of Saskatchewan; William A. Kerr, University of Saskatchewan*

Traceability, Recalls, Industry Reputation and Product Safety

***Sebastien Pouliot**, Iowa State University; Daniel A. Sumner, University of California, Davis*



Concurrent Sessions Tuesday, 9:30 am–11:00 am

2030 **Grappling with Federal and State Budget Challenges**

Lobby Level, Salon 2

Beltway Track Session

With recession in the rear-view mirror, more stable times might be thought to lie ahead. In fact, difficult budget and policy decisions loom. Though near-term deficits are expected to continue to decline from recent highs, debt held by the public as a share of GDP remains well above historical averages. By the middle of the next decade, deficits are expected to climb again, and mounting debt will result from a fundamental imbalance between anticipated revenue and forecast spending on social insurance driven by the aging of the population and rising health care costs. While the fiscal situation of the state and local government sector has improved in the past year, the sector's tax receipts have only recently returned to pre-recession levels. Reconciling expectations about government services with the willingness to fund them is the challenge for Federal, state, and local policymakers. Budget decisions are fraught with political significance and complicated by uncertainties about economic impacts. Learn about the road ahead from three top budget and policy experts and come prepared with your questions about the very real choices the country must make.

Organizer: Susan E. Offutt, US Government Accountability Office

Panelists: Barry Anderson, National Governors Association; Bill Hoagland, Bipartisan Policy Center; Andrew S. Morton, House Budget Committee



Concurrent Sessions Tuesday, 11:15 am–12:45 pm

2031 Agricultural Development, Nutrition and Health: Synergies or Tradeoffs?

Mezzanine Level, Harding

Organized Symposium

Since the 2008 food crisis, foreign aid donors have sharply increased their focus on agriculture and nutrition, with a particular emphasis on health outcomes. Past research suggests that agricultural development drives health improvement not only through income growth, but also by changing relative prices, technologies and opportunity costs and preferences. This panel will assess to what extent new initiatives such as Feed the Future, Thousand Days, Scaling Up Nutrition, Agriculture for Nutrition and Health (A4NH) and others have successfully pursued synergies so that agricultural development improves nutrition and health by more than income growth alone would achieve, and to what extent they have encountered tradeoffs that achieve health improvement at the expense of income growth.

Moderator: George W. Norton, Virginia Polytechnic Institute and State University

Panelists: James F. Oehmke, George Morris Centre; William A. Masters, Tufts University; Greg Traxler, Bill & Melinda Gates Foundation; Laurian J. Unnevehr, International Food Policy Research Institute

2032 Human Capital Needs of a Modernizing Agriculture: Challenges and Possible Solutions

Mezzanine Level, Hoover

Organized Symposium

Despite the growing recognition of the importance of the need to invest in agriculture in developing countries following the 2007 food price increases and spikes, shortage of human capital presents a huge constraint to reforms in the agricultural sector. The session will discuss the problem and the solutions

Organizer: Uma Lele,

Panelists: Nienke M. Beintema, International Food Policy Research Institute; Javier M. Ekboir, Bioversity International; Madhur Gautam, World Bank; Paul W. Heisey, USDA-Economic Research Service

The Human Capital Challenge

Uma Lele, ; Madhur Gautam, World Bank; Paul W. Heisey, USDA-Economic Research Service; Nienke M. Beintema, International Food Policy Research Institute; Javier M. Ekboir, Bioversity International

2033 From Research to Implementation: Informing Development and Delivery of Biofortified Staple Crops

Mezzanine Level, Wilson A

Organized Symposium

Biofortification is the process of breeding and delivering staple food crops with higher micronutrient content. Biofortification could prove to be a cost-effective and sustainable strategy for combating micronutrient deficiency in rural areas of many developing countries, where poor households' diets are largely comprised of staple foods. Economics research has an important role in ensuring that biofortification can be a viable strategy for combating micronutrient malnutrition by (i) informing the design of efficient, effective and targeted breeding and delivery strategies; (ii) measuring the rate of adoption and diffusion of biofortified varieties, and evaluating the performance of delivery strategies, and (iii) estimating the impact of adoption of biofortified varieties on nutrition, health and other livelihood outcomes. The aim of this symposium is to present the current economics research portfolio (including main research questions, methodologies and selected examples of studies) related to biofortification, to generate discussion on the potential gaps in our knowledge in general, and in our research portfolio in particular and to seek advice from the audience on how best to close these gaps.

Presenters: Ekin Birol, International Food Policy Research Institute; Melinda Smale, Michigan State University; Devesh Roy, International Food Policy Research; Abdoul Munasib, Oklahoma State University; Adewale Oparinde, International Food Policy Research Institute; Abhijit Banerji, Delhi School of Economics; Jeevant Rampal, Ohio State University; Abdoul Murekezi, Michigan State University

Discussants: Manfred Zeller, University of Hohenheim; Jayson Lusk, Oklahoma State University; Tim Dalton, Kansas State University



Concurrent Sessions Tuesday, 1:00 pm–2:30 pm

2034 Financial Markets and Banking

Mezzanine Level, Wilson B

Selected Presentation

This session highlights futures/derivatives and financing/banking issues. Papers in the session cover futures market speculation and its impact on market volatility, derivatives' market lifecycle, commercial banks participation in FSA loan program, and ag cooperatives' financing and performance.

Moderator: Bruce T. McWilliams, USDA-Farm Service Agency

Do Speculators in Futures Markets Make Commodity Cash Markets More Volatile?

Yingzi Li, Washington State University; **T. Randall Fortenbery**, Washington State University

The Lifecycle of Exchange-Traded Derivatives and the Prospects for New Agriculture-Related Derivatives Markets

Grant M. Cavanaugh, University of Kentucky; **Michael Penick**, US Commodities Futures Trading Commission

The Capital Structure of Commercial Banks and Its Impact on Participation in the Farm Service Agency's Guaranteed Loan Program

Bruce T. McWilliams, USDA-Farm Service Agency

2035 Behavioral Determinants of Demand

Mezzanine Level, Wilson C

Selected Presentation

Papers in this session use behavioral techniques to estimate demand for organic foods, biotechnology, and biofuels.

Moderator: Hayk Khachatryan, University of Florida

How Much of The Error Term Is Explained By Psychometric Variables? The Example of Organic Produce Demand

Carola Grebitus, Arizona State University; **Jerome R. Dumortier**, Indiana University-Purdue University Indianapolis

Analysis of Consumer Preferences and Willingness-To-Pay for Organic Food Products in Germany

Rebecca Illichmann, University of Kiel; **Awudu Abdulai**, University of Kiel

Evolving Consumer Acceptance of Biotechnology Applications in Canada: Evidence from the Public Opinion Surveys in 2001 (Fifth Wave) and 2011 (Seventh Wave)

Deepananda P. Herath, Agriculture and Agri-Food Canada

The Effects of Intertemporal Considerations on Consumer Preferences for Biofuels

Hayk Khachatryan, University of Florida; **Jeffrey Joireman**, Washington State University; **Kenneth L. Casavant**, Washington State University

2036 Dynamic Models of Consumer Demand

Mezzanine Level, McKinley

Selected Presentation

The papers in this section propose and/or use alternative approaches for the incorporation of dynamics in empirical models of consumption.

Moderator: Francesca Colantuoni, University of Massachusetts Amherst

On Demand Analysis and Dynamics: A Benefit Function Approach

Jean-Paul Chavas, University of Wisconsin

Impacts of Bse and Avian Influenza on US Meat Demand: A Dynamic Inverse Aids and Forecasting

Jianhong Mu, Oregon State University; **Bruce A. McCarl, Ph.D.**, Texas A&M University; **David A. Bessler**, Texas A&M University

Dynamic Food Demand and Habit Forming Behaviors: Bayesian Approach to a Dynamic Tobit Panel Data Model with Unobserved Heterogeneity

Miyoung Oh, Iowa State University; **Helen H. Jensen**, Iowa State University

Accounting for Addiction, Storability and Heterogeneous Tastes for Soft Drinks: A Structural Dynamic Demand Model

Francesca Colantuoni, University of Massachusetts; **Christian Rojas**, University of Massachusetts



Concurrent Sessions Tuesday, 1:00 pm–2:30 pm

2037 Climate Change and Air Quality

Mezzanine Level, Balcony A

Selected Presentation

This group of papers explores the effects of climate and air quality on agricultural and health outcomes.

Moderator: Jeremy D. Foltz, University of Wisconsin

Understanding Temperature and Moisture Interactions in the Economics of Climate Change Impacts and Adaptation on Agriculture

Ariel Ortiz Bobea, University of Maryland

The Health Effects of Coal Electricity Generation in India

Maureen L. Cropper, University of Maryland; **Shama Gamkhar**, University of Texas, Austin; **Kabir Malik**, University of Maryland; **Ian Partridge**, University of Texas, Austin; **Alex Limonov**, Resources for the Future

Impact of Climate Change on Child Mortality in Mali

Jeremy D. Foltz, University of Wisconsin; **Peter J. Han**, University of Wisconsin

2038 Experiments on Technology Adoption and Climate Change

Mezzanine Level, Balcony B

Selected Presentation

In this session, two papers assess the influence of behavioral factors on farmers' willingness to adopt new agricultural technologies. The third paper focuses on farmer adaptation to climate change. The final paper presents experimental evidence on willingness to contribute to public goods.

Moderator: Juan C. Ruiz-Tagle, University of Maryland

Risk and Ambiguity Preferences and the Adoption of New Agricultural Technologies: Evidence from Field Experiments in Rural India

Patrick S. Ward, International Food Policy Research Institute; **Vartika Singh**, International Food Policy Research Institute

Time Preference and Technology Adoption: A Single-Choice Experiment With US Farmers

Eric N. Duquette, USDA-Economic Research Service; **Nathaniel A. Higgins**, USDA-Economic Research Service; **John K. Horowitz**, USDA-Economic Research Service

Glacier Melting and Retreat: Understanding the Perception of Agricultural Households That Face the Challenges of Climate Change

Adriana Bernal; **Jorge H. Maldonado**, Universidad de los Andes; **Rafael S. Cuervo**, Universidad de los Andes; **Gonzalo Pinzon**, Universidad de los Andes

Income Heterogeneity in the Dynamic Voluntary Contributions to Public Goods

Juan C. Ruiz-Tagle, University of Maryland

2039 Dynamics of Livestock Supply Chains

Lobby Level, Park 8206

Selected Presentation

These papers explore various market forces that influence the pricing dynamics and production decisions of different stakeholders in livestock supply chains.

Moderator: Kole Swanser, North Carolina State University

Exploring Factors That Influence Perceptions of the Use of Genomics, for Pro-Environmental Purposes, in Beef Cattle

Anna Kessler, University of Alberta; **Ellen W. Goddard**, University of Alberta; **John Parkins**, University of Alberta

The Value of Genetic Information in a Whole-Chain Traceability System for Beef

Candi Ge, Oklahoma State University; **Brian D. Adam**, Oklahoma State University; **Eric A. Devuyst**, Oklahoma State University

Contract Framing System in Improving Market Access for Smallholder Poultry Farmers in Bangladesh: An Assessment

Mohammad J. Alam, Bangladesh Agricultural University

Dynamics of Feeder Cattle Basis and Price Slides

Kole Swanser, North Carolina State University

Concurrent Sessions Tuesday, 1:00 pm–2:30 pm

2040 Domestic Agricultural Policies and Trade

Lobby Level, Park 8209

Selected Presentation

These four presentations investigate various domestic policies that affect trade. The policies covered include export bans, country of origin labeling and stabilization of domestic food prices.

Moderator: Heidi Schweizer, Montana State University, University of California, Davis

Cool Effects on US Shrimp Trade

Siny Joseph, Kansas State University; **Nathalie Lavoie**, University of Massachusetts Amherst; **Julie A. Caswell**, University of Massachusetts Amherst

Are China's Grain Trade Policies Effective in the Stabilization of Domestic Food Prices? An Investigation Based on a Structural Break Regime Switching Model

Jie Lu, Renmin University of China; **Xinkai Zhu**, Renmin University of China

Impact of Wheat and Rice Export Ban on Indian Market Integration

Katherine R. Baylis, University of Illinois at Urbana-Champaign; **Maria Christina B. Jolejole-Foreman**, University of Illinois at Urbana-Champaign; **Mindy L. Mallory**, University of Illinois at Urbana-Champaign

The Economic Impacts of the Canadian Wheat Board Ruling on US-Canada Malt Barley Markets

Heidi Schweizer, Montana State University, University of California, Davis; **Anton Bekkerman**, Montana State University; **Vincent H. Smith**, Montana State University

2041 Nutrition Around the Globe

Lobby Level, Park 8212

Selected Presentation

This session covers focuses on international issues in nutrition. In addition, two presentations will analyze the impact of food environmental factors and food away from home on health.

Moderator: Hung-Hao Chang, National Taiwan University

Evaluating the Determinants of Participation of Pregnant Women in the "Preventing Malnutrition in Children Under Two Years of Age Approach" (Pm2A)

Program in Alta Verapaz, Guatemala

Susan M. Richter, International Food Policy Research Institute

Agriculture and Cognitive Development: Evidence from China's Agricultural Reform

Xiaobo Zhang, International Food Policy Research Institute

Food Environment and Weight Outcomes: A Stochastic Frontier Approach

Xun Li, University of Connecticut; **Rigoberto A. Lopez**, University of Connecticut

Does Food Consumption Away from Home Make You Happier?

Hung-Hao Chang, National Taiwan University



Concurrent Sessions Tuesday, 1:00 pm–2:30 pm

2042 Institutional Economics, Farm Structure, and Productivity: Cases in Africa and North America

Lobby Level, Park 8216

Selected Presentation

Institutions can play a significant role in the structure of farms and agricultural productivity. The presentations in this session empirically analyze this role in African and North American farms.

Moderator: Veronique Theriault, Michigan State University

Institutional Change on Canadian First Nations: The First Nations Land Management Act

Mary Doidge, University of Guelph; **Brady James Deaton, Jr.**, University of Guelph

Nature of the Farm Revisited

Matthew Elliott, University of Missouri

Institutional Differences and Agricultural Performance in Sub-Saharan Africa

Mahdi Asgari, University of Kentucky; **Lia Nogueira**, University of Kentucky

The Ability of Cotton to Drive Food Crop Productivity Growth in Sub-Saharan Africa: The Interplay of Market and Institutional Structure

Veronique Theriault, Michigan State University; **David L. Tschirley**, Michigan State University

2043 Storage and Post-Harvest Decision Making in Developing Countries

Lobby Level, Park 8219

Selected Presentation

These papers examine different aspects of the post-harvest issues facing farmers in developing countries. They explore how storage and processing technologies and marketing arrangements shape key aspects of agricultural practices.

Moderator: Hope C. Michelson, Columbia University

The Determinants of Rice Storage: Evidence from Rice Farmers in Bangladesh

Jeffrey D. Michler, Purdue University; **Joseph V. Balagtas**, Purdue University

Do Storage Losses and Technology Affect the Trade-Off Between Storage Decision and Sale in Harvest Period? An Insight from Maize Production in Benin

Didier K. Kadjo, Purdue University; **Jacob Ricker-Gilbert**, Purdue University; **Corinne E. Alexander**, Purdue University; **Abdoulaye Tahirou**, International Institute of Tropical Agriculture

Asymmetric Information and Food Safety: Maize in Kenya

Vivian E. Hoffmann, University of Maryland; **Samuel Mutiga**, Cornell University; **Jagger Harvey**, International Livestock Research Institute; **Rebecca Nelson**, Cornell University; **Michael Milgroom**, Cornell University

Direct Farms: Supermarket Supply Chains With Chinese Characteristics

Junfei Bai, Chinese Academy of Sciences; **Stephen R. Boucher**, University of California, Davis; **Michael R. Carter**, University of California, Davis; **Jikun Huang**, Chinese Academy of Sciences; **Xinzhe Huang**, University of California, Davis; **Xiangping Jia**, Chinese Academy of Sciences; **Hope C. Michelson**, Columbia University



Concurrent Sessions Tuesday, 1:00 pm–2:30 pm

2044 Agriculture and Poverty

Lobby Level, Park 8226

Selected Presentation

Most of the world's poor live in rural areas, and many of them depend on agriculture. These papers examine different ways in which agriculture impacts the economic livelihoods in developing countries.

Moderator: Maria-Alexandra Peralta-Sanchez, Michigan State University

Ex-Post Impacts of Improved Maize Varieties on Poverty in Rural Ethiopia

Di Zeng, Virginia Polytechnic Institute and State University; Jeffrey Alwang, Virginia Polytechnic Institute and State University; George W. Norton, Virginia Polytechnic Institute and State University; Bekele Shiferaw, International Maize and Wheat Improvement Center; Moti Jaleta, International Maize and Wheat Improvement Center

Hybrid Rice as a Pro-Poor Technology? Evidence from Bangladesh

William A. McFall, University of Georgia; David J. Spielma, International Food Policy Research Institute; Nicholas P. Magnan, International Food Policy Research Institute

Agricultural Market Reforms, Urbanization and Nutritional Transition in Rural China

Katherine R. Baylis, University of Illinois at Urbana-Champaign; **Linlin Fan**, University of Illinois at Urbana-Champaign; Lia Nogueira, University of Kentucky

Impact Assessment With Opt-In Treatments: Evidence from a Rural Development Project in Nicaragua.

Maria-Alexandra Peralta-Sanchez, Michigan State University; Scott M. Swinton, Michigan State University

2045 Biofuels

Lobby Level, Park 8228

Selected Presentation

This session contains papers addressing aspects of biofuels.

Moderator: Sebastien Pouliot, Iowa State University

A Spatially Explicit Watershed Scale Optimization of Cellulosic Biofuels Production

Jingyu Song, Purdue University; Ben Gramig, Purdue University

Optimal Mix of Feedstock for Biofuels: Implications for Land Use and Ghg Emissions

Weiwei Wang, University of Illinois at Urbana-Champaign; Madhu Khanna, University of Illinois at Urbana-Champaign; Puneet Dwivedi, University of Illinois at Urbana-Champaign

Development of Corn Stover Biofuel: Impacts on Corn and Soybean Markets and Crop Rotation

Farzad Taheripour, Purdue University; **Wallace E. Tyner**, Purdue University; Julie L. Fiegel, Purdue University

Going Over the E10 Blend Wall: Forecasting US Demand for E85 Based on Brazil Ethanol Demand

Sebastien Pouliot, Iowa State University



Concurrent Sessions Tuesday, 1:00 pm–2:30 pm

2046 Hydrological Models

Lobby Level, Maryland A

Selected Presentation

The papers in this session make use of hydrological models to answer questions pertaining to groundwater conservation and pollution.

Moderator: Emmanuel K. Yiridoe, Dalhousie University

A Differential Game Approach to Adoption of Conservation Practices

Joseph L. Parcell, University of Missouri; Haluk Gedikoglu, Lincoln University

The Impact of Irrigation Capital Subsidies on Common-Pool Groundwater Use and Depletion: Results for Western Kansas

Nicolas E. Quintana Ashwell, Kansas State University; Jeffrey M. Peterson, Kansas State University

Reducing Phosphorus Impairment With Nutrient Trading

Arun KC, West Virginia University; Alan R. Collins, West Virginia University

Nitrogen Abatement Cost Comparison for Cropping Systems Under Alternative Management Choices

Frederick Amon-Armah, Dalhousie University; **Emmanuel K. Yiridoe**, Dalhousie University; Dale Hebb, Agriculture and Agri-Food Canada; Rob Jamieson, Dalhousie University

2047 Productivity Aspects of Agriculture in African Countries

Lobby Level, Maryland B

Selected Presentation

Agricultural production plays an important role in economic development and growth in developing countries. This session examines how agricultural extension programs affect technology adoption, technical efficiency, crop productivity in different developing countries such as Niger, Ethiopia, and Benin. It also examines the impacts of seasonal rainfall patterns on crop production in West Africa.

Moderator: John Sanders, Purdue University

Impact of Changing Seasonal Rainfall Patterns on Rainy-Season Crop Production in the Guinea Savannah of West Africa

Marc Mueller, University of Bonn; Safiétou Sanfo, West African Science Service Center on Climate Change and Adapted Land Use; Wolfram Laube, University of Bonn

Assessing the Impact of Crop Specialization on Farms' Performance in Vegetables Farming in Benin: A Non-Neutral Stochastic Frontier Approach

Alphonse Singbo, Jr, Université Laval; Grigorios Emvalomatis, Wageningen University; Alfons Oude Lansink, Wageningen University

Quality Matters and Not Quantity: Evidence on Productivity Impacts of Extension Service Provision in Ethiopia

Catherine R. Ragasa, International Food Policy Research Institute

Evaluating the Impact of An Agricultural Technology Extension Program in Niger: Technology Adoption and Technical Efficiency

John H. Sanders, Purdue University; **Abdoulaye Ibrahim Djido**, Purdue University

2048 Differential Climate Change Policy Effects

Lobby Level, Maryland C

Selected Presentation

Distributional and spatial effects of US and international carbon dioxide and greenhouse gas emissions, and interactions with trade are discussed using a variety of tools.

Moderator: Gregory Latta, Oregon State University

Climate Change, Mitigation Policy and Poverty in Developing Countries

Zekarias M. Hussein, Purdue University; Thomas W. Hertel, Purdue University; Alla Golub, Purdue University

Club Convergence and Clustering of US State-Level Co2 Emissions

Wesley Burnett, West Virginia University; Michael Strager, West Virginia University; Donald J. Lacombe, West Virginia University

Implications of Climate Policies for Cropland and Forests under Varying Time Preferences and Yield Assumptions

Gregory Latta, Oregon State University; Robert C. Johansson, Congressional Budget Office; Jan Lewandrowski, USDA-Economic Research Service; Richard A. Birdsey, USDA-Forest Service



Concurrent Sessions Tuesday, 1:00 pm–2:30 pm

2049 New Tools for Evaluating and Managing Risk

Lobby Level, Virginia A

Selected Presentation

Methods to evaluate and manage risk are being updated. Improving risk management is the theme underlying these presentations.

Moderator: Leslie J. Verteramo, Cornell University

Premium Benefits? A Heterogeneous Agent Model of Credit-Linked Index Insurance and Farm Technology Adoption

Kathleen M. Farrin, *The Ohio State University*; **Mario J. Miranda**, *The Ohio State University*

Calendar Spread Options for Storable Commodities

Juheon Seok, *Oklahoma State University*; **B. Wade Brorsen**, *Oklahoma State University*; **Weiping Li**, *Oklahoma State University*

Spatio-Temporal Modeling of Lightning Fires on Forestland: A Compensation Scheme

Xuan Chen, *North Carolina State University*; **Barry K. Goodwin**, *North Carolina State University*

A Risk Rationing Model

Leslie J. Verteramo, *Cornell University*; **Calum G. Turvey**, *Cornell University*

2050 Econometric Methods and Development Economics

Lobby Level, Virginia B

Econometrics Section Track Session

This session will highlight frontier econometric methods with development applications.

Organizer: Alan P. Ker, University of Guelph

Semiparametric Estimation of Binary Response Models With a Parametric Guide: An Application to Agricultural Technology Adoption in Uganda

Abdoul G. Sam, *The Ohio State University*; **Gracious M. Diro**, *The Ohio State University*; **Alan P. Ker**, *University of Guelph*

Effect of a Conditional Cash Transfer Program on Early Childhood Nutrition: The Experience of Urban Mexico

Tauhidur Rahman, *University of Arizona*; **Jorge Lara Alvarez**, *University of Arizona*

Measuring Overconfidence and Its Impact on Production Behaviors –Evidence from Rice Farmers in China

Jessica Cao, *University of Guelph*

2051 Potential Solutions to the Obesity Epidemic

Lobby Level, Virginia C

FSN and Senior Section Track Session

Panelists will share their views on identifying the causes and solutions to the obesity epidemic from diverse perspectives. The need for this is particularly pressing as it is clear that current obesity levels are causing substantial health and economic costs. In addition, projections show obesity levels increasing if current habits persist. A holistic understanding of the causes and potential solutions for the obesity should inform for appropriate and effective research.

Organizers: Andrea C. Carlson, USDA-Economic Research Service; Conrad P. Lyford, Texas Tech University

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

The Five Stages of Obesity: Denial, Blame, Bargaining, Despair, Acceptance

Jean Kinsey, *University of Minnesota*

Obesity and the US Food Chain

Jayachandran N. Variyam, *USDA-Economic Research Service*

Understanding Obesity: Macro- and Micro-Health Considerations

Leah Lipsky, *National Institute of Child Health and Human Development*



Concurrent Sessions Tuesday, 1:00 pm–2:30 pm

2052 Agri-food Sustainability and the Role of Multi-Stakeholder Engagements

Mezzanine Level, Taft

AEM Section Track Session

Wicked problems refer to issues that are highly complex, have innumerable causes, and are difficult to fully understand. They result in outcomes that are either uncertain or unknowable, and often affect multiple stakeholders throughout the agri-system and beyond. Thus, wicked problems cannot be resolved through finding “right” answers, but rather must be managed.

The sustainability of the global agri-food system is one example of a wicked problem. To manage this wicked problem, we have observed the development and organization of various forms of multi-stakeholder engagements. In some cases, these engagements are organized to focus broadly on sharing best practices and joint learning, in others, they focus on specific issues such as the sustainability of a particular commodity (e.g. soy, palm oil, seafood, etc.). Multi-stakeholder engagements may include participants from some, or all, of the following agri-food stakeholder groups: firms, NGOs, governmental agencies, and academia. Not surprisingly, these groups typically have conflicting beliefs, value systems, and objectives for the engagement. Organizing such engagements is, therefore, not a trivial matter. Evidence, however, suggests that multistakeholder engagements do create value not only for their participants, but also for the agri-food system, and the broader community. In this session, we will: 1) examine why multi-stakeholder engagements are necessary to manage problems such as sustainability, 2) present best practices and challenges for organizing multi-stakeholders engagements,

Organizer: Robert Brent Ross, Michigan State University

Discussant: Peter D. Goldsmith, University of Illinois at Urbana-Champaign

Managing Wicked Problems: the Need for Multi-Stakeholder Engagements

H. Christopher Peterson, Michigan state university; **Jeanne Von Zastrow**, Food Marketing Institute

Organizing Multi-Stakeholder Engagements in the Agri-Food System: A Practitioner's Perspective

Jeanne Von Zastrow, Food Marketing Institute

Creating Value Through Multi-Stakeholder Engagements: Theoretical and Applied Perspectives

Robert Brent Ross, Michigan State University

2053 Comparing ARMS to Farm Management Association Data: Implications for Data Analysis and Research

Mezzanine Level, Tyler

AFM Section Track Session

The USDA's Agricultural Resource Management Survey (ARMS) is one of the most widely used farm-level data sets in agricultural economics. Regional farm management associations are another valuable source of data for agricultural economists for both research and extension purposes. While the association databases lack the national scope and statistical sampling methodology employed by ARMS, they do allow for the investigation of dynamic effects given their panel nature. In this session, a group of panelists will present and discuss comparisons of data from the ARMS survey and various farm management associations, highlighting their similarities and differences and the resulting implications for their use in both research and extension.

Organizer: Nicholas D. Paulson, University of Illinois at Urbana-Champaign

Discussant: Mitchell J. Morehart, USDA-Economic Research Service

Illinois Farm Business Farm Management Association

Nicholas D. Paulson, University of Illinois at Urbana-Champaign; **Gary D. Schnitkey**, University of Illinois at Urbana-Champaign

Kentucky Farm Business Farm Management Association

Ani Katchova, University of Kentucky

Kansas Farm Management Association

Brian C. Briggeman, Kansas State University

USDA Agricultural Resource Management Survey (ARMS)

Todd H. Kueth, USDA-Economic Research Service; **Jennifer E. Ifft**, USDA-Economic Research Service

Concurrent Sessions Tuesday, 1:00 pm–2:30 pm

2054 CANCELED

2055 Graduate Advising Practices for Mutual Success of Students and Mentors
Mezzanine Level, Taylor

GSS and TLC Section Track Session

This session covers graduate advising strategies and practices from experienced graduate mentors. The mentors will share their ideas and experiences in training students to reach their education and career goals by recommending a strong and relevant set of courses, taking them through research work step-by-step, aiding them with publications, helping students develop professionally, placing MS students in strong PhD programs, and assisting students to succeed in the job market for both academic and non-academic positions. Mentors will also discuss the rewards and benefits of working with graduate students, pointers about selecting good graduate advisors, and fostering a good rapport between advisor and advisee.

Organizer: Stephen Devadoss, University of Idaho

Moderator: Joshua D. Detre, Louisiana State University

Effective Graduate Mentoring

Stephen Devadoss, *University of Idaho*

Professor and Student Collaboration in Research

Steven T. Buccola, *Oregon State University*

Mentoring as Teaching

Spiro E. Stefanou, *Pennsylvania State University*



Concurrent Sessions Tuesday, 1:00 pm–2:30 pm

2056 Price Risk and Price Volatility: Implications for the Developing World

Mezzanine Level, Johnson

ARA Section Track Session

Over the past few years, the world has experienced a food crisis of unprecedented proportion in recorded history. At the peak of the food crisis in the spring of 2008, and again in 2011, the combined effects of adverse production shocks on agricultural commodities and of drastic increases in fuel prices, among other factors, led to social and political unrest throughout the developing world. In addition to high food prices, unpredictable large swings in prices have caused severe problems both for consumers and producers. This session will examine the implications of food price volatility, as well as unprecedentedly high food prices, on growers and their relationships with buyers in a developing world context.

Organizer: Marc F. Bellemare, University of Minnesota

Discussant: Jaclyn D. Kropp, University of Florida

Quality Incentives and Price Risk: Evidence from Ecuadorian Cocoa Markets

Brent M. Hueth, University of Wisconsin; **Pilar Jano**, University of Wisconsin

Subjective Expectations of Staple Price Volatility: Evidence from Madagascar

Laura A. Paul, Duke University

Price Volatility vs. High Prices: The Case of Food

Mark F. Bellemare, Duke University

2057 The Forces Without...and Within: When Conflicting Goals in the Food Industry Contribute to Obesogenic

Lobby Level, Delaware B

Invited Paper

This session focuses on the incentives players in the food industry face and how these incentives create tensions and may lead to perverse outcomes.

Organizer: Andrew Hanks, Cornell University

Moderator: David R. Just, Cornell University

Discussant: Michael E. Sykuta, University of Missouri

The Economics of Information, Deep Capture, and Obesogenic Environments

Trenton G. Smith, University of Otago

Do Supermarket Chains Contribute to Obesogenic Environments? Evidence from the UK

Diogo M. Souza Monteiro, University of Kent

Competing Incentives in School Lunchrooms

Andrew Hanks, Cornell University; **David R. Just**, Cornell University; **Brian Wansink**, Cornell University

2058 Livestock Outlook and Industry Issues

Lobby Level, Salon 1

Extension Section Track Session

This session seeks to repeat the past two years' approach of extending the tradition of a livestock outlook focused extension section with an adjustment in the session's format to include a panel discussion on issues typically not focused on in outlook presentations. The session will have an opening outlook presentation followed by panelists short presentations and audience dialogue on issues of direct economic relevance to livestock production.

Organizer: Glynn T. Tonsor, Kansas State University

Panelists: Claire Mezoughem, USDA-Foreign Agricultural Service; Craig Morris, USDA-Agricultural Marketing Service; Shayle Shagam, USDA-Office of the Chief Economist

Presenter: John D. Anderson, American Farm Bureau Federation

Concurrent Sessions Tuesday, 1:00 pm–2:30 pm

2059 Best Practices in Reviewing and Responding to Reviewers: A Panel Discussion

Lobby Level, Delaware A

CAES Organized Symposium

While graduate programs emphasize research and research communication skills, less attention is focused on undertaking a peer-review and responding to revisions arising from the peer-review process. This panel discussion brings together editors from the Canadian Journal of Agricultural Economics and the American Journal of Agricultural Economics, and select reviewers from these journals, to discuss best practices in conducting a peer-review and in responding to a request to revise and resubmit. Panel members will share their thoughts and experiences on the process, with time for question and answer between the audience and panel.

Moderator: John Cranfield, University of Guelph

Panelists: Henry An, University of Alberta; Derek G. Brewin, University of Manitoba; Wuyang Hu, University of Kentucky; Madhu Khanna, University of Illinois at Urbana-Champaign; Thomas L. Marsh, Washington State University; Abigail M. Okrent, USDA-Economic Research Service

2116 Future of Farm Policy Welfare Analysis in the Land Grant System: Challenges and Rewards

Lobby Level, Salon 3

Beltway Track Session

The Land Grant University (LGU) System is the professional home of many who contribute to the research and extension mission focused on farm policy analysis. Scholarly and relevant farm policy analysis is demanded by some of the LGU System's most critical stakeholders and essential to inform the development of sound public policies. This panel session will invite speakers to share their views on the challenges and rewards in the conduct and extension of high-quality farm policy welfare analyses, allowing the LGU System to continue in its proud mission-driven agenda. We encourage participation of experienced and less experienced professionals in the general discussion.

Organizer: Mary Clare Ahearn, USDA-Economic Research Service

Moderator: Barry K. Goodwin, North Carolina State University

Panelists: Bruce A. Babcock, Iowa State University; Vincent H. Smith, Montana State University; Daniel A. Sumner, University of California, Davis

Concurrent Sessions Tuesday, 1:00 pm–2:30 pm

2060 Whither Dairy Policy? Economics and Politics of New Dairy Programs

Mezzanine Level, Harding

Organized Symposium

Proposed dairy programs in the 2013 Farm Bill, if adopted, would constitute the biggest change in US federal dairy policy since the 1980s. Price floors, countercyclical payments and export incentives would be replaced with a subsidized margin insurance program, contingent with a “market stabilization program” often referred to as “supply management” or “growth management”. The twin goals of this new policy are to provide individuals with a tool to subsidize incomes and provide a lift to the price of milk when margins are low. This organized symposium will open with a short presentation summarizing some work on economic impacts of proposed programs. A panel of four highly reputable agricultural economists will follow-up with debate offering their views on the economics and politics of new dairy programs.

Organizer: Marin Bozic, University of Minnesota

Moderator: Marin Bozic, University of Minnesota

Panelists: Bruce A. Babcock, Iowa State University; Scott Brown, University of Missouri; Andrew M. Novakovic, Cornell University; Daniel A. Sumner, University of California, Davis

Whither Dairy Policy? Evaluating Expected Government Outlays and Distributional Impacts of Alternative 2013 Farm Bill Dairy Title Proposals
John C. Newton, *The Ohio State University*; **Marin Bozic**, *University of Minnesota*; **Cameron S. Thraen**, *The Ohio State University*; **Brian W. Gould**, *University of Wisconsin*; **Mark W. Stephenson**, *Cornell University*

2061 Topics in Resources and Energy

Mezzanine Level, Hoover

Organized Symposium

Organizer: Antonio Miguel Bento, Cornell University

Moderator: Amy W. Ando, University of Illinois at Urbana-Champaign

Measuring the Impact of Fracking on Surrounding Homes

Elisheba Spiller, *Environmental Defense Fund*; **Lucija Muehlenbachs**, *Resources for the Future*; **Christopher Timmins**, *Duke University*

Land Conservation in the Floodplain: Assessing the Benefits and Costs of ‘Green Infrastructure’ Investments

Carolyn Kousky, *Resources for the Future*; **Margaret Walls**, *Resources for the Future*

Leakage and Conservation Planning

Amy W. Ando, *University of Illinois at Urbana-Champaign*; **Michael Bode**, *University of Melbourne*; **Morena Mills**, *University of Queensland*; **Anna Renwick**, *University of Queensland*; **Ayesha Tulloch**, *University of Queensland*

Optimal Capital Deployment in Renewable Energy

Linda Nostbakken, *University of Alberta*; **Andrew J. Leach**, *University of Alberta*

Concurrent Sessions Tuesday, 2:45 pm–4:15 pm

2062 Technology, Productivity, and Profitability

Mezzanine Level, Wilson A

Selected Presentation

This session covers studies on precision agriculture, farm level profitability change, impact of wealth change on business decisions, and agricultural labor migration issues.

Moderator: Michael R. Langemeier, Purdue University

A Bayesian Analysis of GPS Guidance System in Precision Agriculture: The Role of Expectations

Aditya R. Khanal, Louisiana State University; **Ashok K. Mishra**, Louisiana State University; **Dayton M. Lambert**, University of Tennessee

An Agent-Based Model of Climate-Induced Agricultural Labor Migration

Ruohong Cai, Princeton University; **Michael Oppenheimer**, Princeton University

Does Proprietor Wealth Influence Small Business Decisions? Land Appreciation and Farm Business Output, Investment, and Borrowing

Jeremy G. Weber, USDA-Economic Research Service; **Nigel D. Key**, USDA-Economic Research Service

Contributions of Productivity and Relative Price Changes to Farm Level Profitability Change

Amin William Mugeru, University of Western Australia; **Michael R. Langemeier**, Purdue University

2063 Behavioral Insights into Obesity

Mezzanine Level, Wilson B

Selected Presentation

This session focuses on behavioral tools for understanding the rise in obesity rates among children and adults.

Moderator: Bidisha Mandal, Washington State University

Fighting Obesity Through Rejuvenation

Yaqin Liu, University of Georgia; **Gregory J. Colson**, University of Georgia; **Susana Ferreira**, University of Georgia; **Michael E. Wetzstein**, University of Georgia

The US Obesity Epidemic: New Evidence from the Economic Security Index

Trenton G. Smith, University of Otago

Peer-Effects in Childhood Obesity: Do They Vary By Race, Gender and Age?

Jebaraj Asirvatham, University of Arkansas; **Rodolfo M. Nayga**, University of Arkansas; **Michael R. Thomsen**, University of Arkansas

Child Care Choices, Food Choices, and Children's Obesity Status: A Comparison of Two-Parent and One-Parent Households

Bidisha Mandal, Washington State University; **Lisa Powell**, University of Illinois at Chicago

2064 Food and Energy Nexus

Mezzanine Level, Wilson C

Selected Presentation

The papers in this section explore the linkages between energy and food prices.

Moderator: Xiaoli L. Etienne, University of Illinois at Urbana-Champaign

The Causes of Recent Food Commodity Crises

Gal Hochman, Rutgers University; **Scott Kaplan**, University of California, Berkeley; **David Zilberman**, University of California, Berkeley

Mechanisms of the Linkage Between Energy and Food Commodity Prices: An Examination of Mixed-Frequency Data and Non-Linearity

Andres A. Trujillo-Barrera, Wageningen University; **Joost M. E. Pennings**, Maastricht University, Wageningen University

Is Ethanol Production Harming Livestock Producers

Na Hao, University of Georgia; **Gregory J. Colson**, University of Georgia; **Berna Karali**, University of Georgia; **Michael E. Wetzstein**, University of Georgia

Dissecting Grain Futures Price Movements With Directed Acyclic Graphs

Xiaoli L. Etienne, University of Illinois at Urbana-Champaign; **Scott H. Irwin**, University of Illinois at Urbana-Champaign; **Philip Garcia**, University of Illinois at Urbana-Champaign



Concurrent Sessions Tuesday, 2:45 pm–4:15 pm

2065 Land Use and Land Values

Mezzanine Level, McKinley

Selected Presentation

This session explores the causes and consequences of land use policies. It also examines how land use and values respond to changes in environmental conditions.

Moderator: James Goodenberger, The Ohio State University

Public Evaluation and Political Acceptance of Sustainable Land Use Policies: An Econometric Application to Biogas Subsidization in Germany
Nana Zarnekow, University of Kiel; Svetlana Petri, University of Kiel; Ernst Albrecht, University of Kiel; Johannes Hedtrich, University of Kiel; Christian H.C.A. Henning, University of Kiel

Adaptation and Extreme Events: Land Use Decisions Under Uncertainty

Sangjun Lee, Michigan State University; *Jinhua Zhao, Michigan State University; Suzanne D. Thornsbury, USDA-Economic Research Service*

Evading Invasives: How Water-Milfoil Impacts New Lakefront Development

James Goodenberger, The Ohio State University; *Allen Klaiber, The Ohio State University*

2066 Improved Methods for Market Analysis

Mezzanine Level, Balcony A

Selected Presentation

The papers in this session present methodological improvements in evaluating prices, spatial aspects and unique characteristics of markets.

Moderator: Bradley J. Rickard, Cornell University

Formation and Adaptation of Reference Prices in Grain Marketing: An Experimental Study

Fabio L. Mattos, University of Nebraska; *Jamie Poirier, Mercantile Consulting Venture*

Interval Forecast Comparison

Olga U. Isengildina-Massa, Clemson University; *Julia Sharp, Clemson University; Maria Bagwell, Clemson University*

A GIS Approach to Measuring Economic Costs of Integrated Pest Management Tools in Rice Processing Facilities

Li Niu, Oklahoma State University; Brian D. Adam, Oklahoma State University; James F. Campbell, USDA-Agricultural Research Service; Frank H. Arthur, USDA-Agricultural Research Service

Fees Versus Royalties: Optimal Licensing Contracts for Patented Fruit Varieties

Bradley J. Rickard, Cornell University; *Timothy J. Richards, Arizona State University; Jubo Yan, Cornell University*



Concurrent Sessions Tuesday, 2:45 pm–4:15 pm

2067 Food Choices and Food Safety

Mezzanine Level, Balcony B

Selected Presentation

The papers in this section focus on food choices and food safety. Two papers cover issues related to School Lunch Programs and their affect on food choice. The third paper covers the effect of policy on alcohol and tobacco consumption. The section concludes with a paper on lean finely textured beef.

Moderator: Glynn T. Tonsor, Kansas State University

Do School Lunch Menus Influence National School Lunch Program Participation and a la Carte Purchases?

Janet G. Peckham, *Clemson University*; **Jaclyn D. Kropp**, *University of Florida*; **Tom A. Mroz**, *Clemson University*; **Vivian Haley-Zitlin**, *Clemson University*; **Ellen M. Granberg**, *Clemson University*; **Nikki A. Hawthorne**, *Anderson County School District Five*

School Meal Program Menus: A Moral Hazard Problem

Kristen L. Capogrossi, *Christensen Associates*; **Wen You**, *Virginia Polytechnic Institute and State University*

Interdependence of Tobacco and Alcohol Consumption: A Natural Experiment Approach

Aycan Koksai, *Cleveland State University*; **Michael K. Wohlgenant**, *North Carolina State University*

Market Impacts of the 2012 Lean Finely Textured Beef Controversy

Matthew Herrington, *Kansas State University*; **Glynn T. Tonsor**, *Kansas State University*; **John A. Fox**, *Kansas State University*

2068 Regulatory and Consumer Response to Food Safety Concerns

Lobby Level, Park 8206

Selected Presentation

This session covers recent issues in food safety, starting with the consumer perspective on food safety recalls and followed by the regulatory perspective of food safety in school lunches. The session closes with a talk on iodine residues in bulk-tank milk and whether people care more about animals than people.

Moderator: John Bovay, University of California, Davis

Structural Change in US Consumer Response to Food Safety Recalls

Mykel R. Taylor, *Kansas State University*; **Allen Klaiber**, *The Ohio State University*; **Fred Kuchler**, *USDA-Economic Research Service*

Regulatory Oversight and the Food Safety of Ground Beef in National School Lunches

Michael E. Ollinger, *USDA-Economic Research Service*

Iodine Residues in Bulk-Tank Milk: Economic Versus Consumer Imperatives

Gale E. West, *Laval University*

Do People Care More About Farm Animals Than About Their Neighbors?

John Bovay, *University of California, Davis*; **Daniel A. Sumner**, *University of California, Davis*



Concurrent Sessions Tuesday, 2:45 pm–4:15 pm

2069 Childhood Nutrition

Lobby Level, Park 8209

Selected Presentation

What determines childhood nutritional status? What are the implications for education? Papers in this session consider the role of social and agricultural policies in determining nutritional and educational outcomes for children in developing countries.

Moderator: Paula Cordero Salas, University of Alabama

Agricultural Production, Social Networks, and Childhood Nutrition

Andrew Dillon, Michigan State University

Cash Transfers, But Not Food Rations, Linked to Preschool Enrollment Improve Child Nutritional Status and Cognitive Development in a Cluster Randomized Controlled Trial in Uganda

Daniel O. Gilligan, International Food Policy Research Institute; **Shalini Roy**, International Food Policy Research Institute

Childhood Malnutrition and Educational Attainment: A Study Using Young Lives Longitudinal Data from Peru

Brooke L. Krause, University of Minnesota

Impact of Market Access on the Welfare of Rural Households in Tanzania

Susan E. Chen, University of Alabama; **Paula Cordero Salas**, University of Alabama

2070 Gender and Labor in Developing Countries

Lobby Level, Park 8212

Selected Presentation

These papers review various aspects of gendered outcomes in agricultural and labor policy.

Moderator: Jeremy D. Foltz, University of Wisconsin

Impact Evaluation of the Productive Safety Nets Program in Ethiopia

Maria F. Rodrigo, University of Wisconsin

Female Networks, Social Learning, and Demand for An Agricultural Technology in Eastern Uttar Pradesh, India

Nicholas P. Magnan, International Food Policy Research Institute; **David J. Spielman**, International Food Policy Research Institute; **Kajal Gulati**, University of California, Davis

Does Inheritance Law Reform Improve Women's Access to Capital? Evidence from India

Klaus W. Deininger, World Bank; **Songqing Jin**, Michigan State University; **Hari Nagarajan**, National Council for Applied Economic Research; **Fang Xia**, Michigan State University

Gender Production Differentials in Africa

Julia C. Collins, University of Wisconsin; **Jeremy D. Foltz**, University of Wisconsin

Concurrent Sessions Tuesday, 2:45 pm–4:15 pm

2071 Spatial Methods in Natural Resource Economics

Lobby Level, Park 8216

Selected Presentation

This session includes papers that make use of spatial methods to address natural resource economics questions. Topics include biological control of crop pests, groundwater extraction, CO2 emissions, and crop yields.

Moderator: Seong Do Yun, Purdue University

Integrating Spatial Dimension Into Jointly Dynamic Groundwater Extraction

Hongliang Zhang, Oregon State University

Spatial Analysis of China Provincial-Level CO2 Emission Intensity

Xueting Zhao, West Virginia University; **Wesley Burnett**, West Virginia University; **Jerald J. Fletcher**, West Virginia University

Climate and the Spatial Distribution of Crop Yields: Evidence from the US Pacific Northwest

Jianhong Mu, Oregon State University; **John M. Antle**, Oregon State University; **Susan M. Capalbo**, Oregon State University; **John Abatzoglou**, University of Idaho

Spatially Explicit Dynamically Optimal Provision of Ecosystem Services: An Application to Biological Control of Soybean Aphid

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

2072 Water Quality and Quantity Protection

Lobby Level, Park 8219

Selected Presentation

This session focuses on water-related management and policies. In particular, this session discusses the implications of different water allocation policies in Southern Alberta, the impacts of land management and nutrient runoff capture on water quality in a watershed, and the economic efficiency of cropping systems in an agricultural watershed. One of the papers also examines the impact of atrazine on tillage and other conservation practices.

Moderator: Fengxia Dong, University of Wisconsin

Implications of Current and Alternative Water Allocation Policies in Southern Alberta

Md Kamar Ali, University of Lethbridge; **Kurt K. Klein**, University of Lethbridge

Eco-Efficiency of Alternative Cropping Systems Managed in An Agricultural Watershed

Frederick Amon-Armah, Dalhousie University; **Emmanuel K. Yiridoe**, Dalhousie University; **Dale Hebb**, Agriculture and Agri-Food Canada; **Rob Jamieson**, Dalhousie University

The Effect of Land Management Changes and Nutrient Runoff Capture on Water Quality and Farm and Watershed Economics

Mohammad Khakbazan, Agriculture and Agri-Food Canada; **Cliff Hamilton**, Deerwood Soil and Water Management Association; **Jim Yarotski**, Agriculture and Agri-Food Canada

Impact of Atrazine on the Sustainability of Weed Management in Wisconsin Corn Production

Fengxia Dong, University of Wisconsin; **Paul D. Mitchell**, University of Wisconsin; **Vince Davis**, University of Wisconsin; **Ross Recker**, University of Wisconsin



Concurrent Sessions Tuesday, 2:45 pm–4:15 pm

2073 Productivity and technology adoption in developing economies

Lobby Level, Park 8226

Selected Presentation

This session examines behavioral responses and choices made by farmers regarding the adoption of new agricultural technologies in developing economies. Spatial patterns of technology diffusion are also examined in the context of developing economies.

Moderator: Patrick S. Ward, International Food Policy Research Institute

Evaluating Agricultural Growth and Productivity in India

Nicholas E. Rada, USDA-Economic Research Service

Modeling the Choice of Irrigation Technologies of Urban Vegetable Farmers in Accra, Ghana

Akuffo Amankwah, Purdue University

Spatial Patterns of Technology Diffusion: The Case of Hybrid Rice in Bangladesh

Patrick S. Ward, International Food Policy Research Institute; **Valerien O. Pede**, International Rice Research Institute

2074 Climate Change and Agro-environmental Impacts

Lobby Level, Park 8228

Selected Presentation

The agricultural, environmental and land use impacts of agricultural carbon sequestration and conservation programs are examined.

Moderator: Adam J. Daigneault, Landcare Research

Cropland Productivity, Carbon Sequestration, and Commodity Prices

Suk-Won Choi, The Ohio State University; **Sara B. Ohrel**, US Environmental Protection Agency; **Brent Sohngen**, The Ohio State University

Multilevel Meta-Regression Analysis of Soil Organic Carbon Sequestration in the Corn Belt States

Kassu Wamisho, University of Nebraska

Greenhouse Gas Mitigation from the Conservation Reserve Program: The Contribution of Post-Contract Land Use Change

Mark Sperow, West Virginia University; **Carol A. Jones**, USDA-Economic Research Service; **Emma Ruth**, West Virginia University; **Cynthia J. Nickerson**, USDA-Economic Research Service

Economic and Environmental Impacts of Implementing Multiple Agro-Environmental Policies in New Zealand

Adam J. Daigneault, Landcare Research

2075 Reducing Water Quality Impacts from Manure

Lobby Level, Maryland A

Selected Presentation

This session examines a variety of policy instruments to reduce water pollution from livestock operations.

Moderator: Stacy E. Sneeringer, USDA-Economic Research Service

Differences Between Livestock and Crop Producers' Potential Participation in Chesapeake Bay Nutrient Trading

Stacy E. Sneeringer, USDA-Economic Research Service

Optimal Regional Policies to Control Manure Nutrients to Surface and Ground Waters

Antti Iho, MTT Economic Research; **Doug Parker**, University of California; **David Zilberman**, University of California, Berkeley

Assessing the Efficiency of Alternative Best Management Practices to Reduce Nonpoint Source Pollution in the Broiler Production Region of Louisiana

Bryan Gottshall, Louisiana State University; **Krishna P. Paudel**, Louisiana State University

Effects of Clean Water Act Regulations on Livestock Producers' Behaviors

Stacy E. Sneeringer, USDA-Economic Research Service; **Nigel D. Key**, USDA-Economic Research Service



Concurrent Sessions Tuesday, 2:45 pm–4:15 pm

2076 Analyses of Risk, Investments, and Growth in Developing Nations

Lobby Level, Maryland B

Selected Presentation

Presentations in this session address the specific risks faced in developing countries and offer explanations for producer responses to investment decisions, as well as analysis of agricultural and economic growth.

Moderator: Ngeno Vincent Cheruiyot, MOI University

Basis Risk and Compound-Risk Aversion: Evidence from a WTP Experiment in Mali

Ghada Elabed, *University of California, Davis*; **Michael R. Carter**, *University of California, Davis*

A Dynamic Stochastic Programming Framework for Modeling Large Scale Land Deals in Developing Countries

Luca Di Corato, *Swedish University of Agricultural Sciences*; **Sebastian Hess**, *Swedish University of Agricultural Sciences*

Understanding the Investment Behavior of Ugandan Smallholder Farmers: An Experimental Analysis

Hanna Julia Ihli, *University of Göttingen*; **Oliver Musshoff**, *University of Göttingen*

Agricultural and Economic Growth in Kenya: A Kaldorian Approach

Ngeno Vincent Cheruiyot, *MOI University*

2077 Amenities: Ecosystem Service and Provision of Public Lands

Lobby Level, Maryland C

Selected Presentation

Papers in this session focus on valuing amenities for community residents.

Moderator: James E. Allen, IV, University of Kentucky

The Effect of School Quality on House Prices and Rural Development: A Meta-Regression Analysis

Anita Yadavalli, *Purdue University*; **Raymond J.G.M. Florax**, *Purdue University*

Local Collective Goods Provision and Communal Benefits: Evidence from the DC B.I.D Movement

Mark V. Miller, *University of Maryland*

The Impact of India's National Rural Employment Guarantee on Demand for Agricultural Technology

Anil K. Bhargava, *University of California, Davis*

The Value of Access to Rural Hospitals

Alison Davis, *University of Kentucky*; **James E. Allen, IV**, *University of Kentucky*; **Wuyang Hu**, *University of Kentucky*



Concurrent Sessions Tuesday, 2:45 pm–4:15 pm

2078 Adaptation to and Mitigation of Climate Change: The Potential Role of Conservation Agriculture in Developing Countries

Lobby Level, Virginia A

International Section Track Session

Conservation agriculture (CA) is promoted as a sustainable means of mitigating and adapting to climate change. However its spread has been modest among small-holders in developing countries. Four presentations in this session describe the results of recent research on the Sustainable Agriculture and Natural Resource Management Collaborative Research Support Program (SANREM) that examine economic, social, and environmental potential of conservation agriculture. The presentations provide cases from three continents and focus on CA impacts on soil quality, carbon sequestration, yield changes, productivity, and short run profitability. Reasons behind the limited adoption of CA to date will be explored, and the overall potential of CA in several countries will be discussed. Possible policy changes will be considered that might encourage adoption of CA practices when long-run economic, social, and environmental benefits of CA outweigh costs but limited short run profitability results in slow adoption.

Organizers: Jeffrey Alwang, Virginia Polytechnic Institute and State University; George W. Norton, Virginia Polytechnic Institute and State University

Discussant: Catherine Larochelle, Virginia Polytechnic Institute and State University

Perceptions and Performance of Conservation Agriculture Practices in Northwestern Ghana

Timothy J. Dalton, *Kansas State University*; **Iddrisu Yahaya**, *Kansas State University*

Household Decision-Making and Climatic Risk in Central Haiti

Nathan Kennedy, *Virginia Polytechnic Institute and State University*; **Gregory S. Amacher**, *Virginia Polytechnic Institute and State University*

Smallholder Adoption of Conservation Agriculture and Ghg Reduction Potential in Mozambique and Lesotho

Dayton M. Lambert, *University of Tennessee*; **Neal Eash**, *University of Tennessee*

Economics of Transition from Conventional to Conservation Agriculture for Subsistence Agriculture Systems in South Asia : A Case Study from Nepal

Bikash Paudel, *University of Hawaii at Manoa*; **Catherine Chan-Halbrendt**, *University of Hawaii at Manoa*; **George W. Norton**, *Virginia Polytechnic Institute and State University*

2079 Bioenergy Policy Amid Missing Markets, Changing Technology and Environmental Trade-offs

Lobby Level, Virginia B

ENV Section Track Session

Bioenergy in the form of liquid fuels or electricity can be produced using different feedstocks and technologies. The natural resource and environmental effects of bioenergy development are influenced by changing public policies governing energy and the environment, changing technology, market forces that include the cost of substitutes, and incentives for associated ecosystem services. The papers in this session will examine environmental and natural resource dimensions of bioenergy development at different scales of economic analysis ranging from a watershed to the globe.

Additionally, Kevin J. Boyle, Virginia Tech will be providing an introduction to the new AAEA / ENV (Land, Water and Environmental Economics) Section.

Organizer: Ben Gramig, Purdue University

Moderator: Ben Gramig, Purdue University

The Cost of Mitigating Greenhouse Gas Emissions With Biofuels in the Us

Madhu Khanna, *University of Illinois at Urbana-Champaign*; **Weiwei Wang**, *University of Illinois at Urbana-Champaign*

Optimal Placement of Second Generation Biofuels in a Watershed: Is Marginal Land the Answer?

Catherine Kling, *Iowa State University*; **Philip W. Gassman**, *Iowa State University*; **Todd Campbell**, *Iowa State University*

Biofuels in a Resource Constrained World

Niven Winchester, *University of Otago & MIT*; **John M. Reilly**, *Massachusetts Institute of Technology*

Whither Bioenergy Economics Amid Energy Transitions?

Scott M. Swinton, *Michigan State University*

Concurrent Sessions Tuesday, 2:45 pm–4:15 pm

2080 Teaching Tips from AAEA Award Winners

Lobby Level, Virginia C

GSS and TLC Section Track Session

This session offers the opportunity for AAEA Teaching Award recipients to share teaching tips and have a dialogue with AAEA members. The emphasis is on winning strategies that have worked for them; the approaches, techniques, and/or teaching styles they consider to be instrumental to their success in the classroom. While they may utilize specific subject-matter examples to illustrate their points, the emphasis will be on pedagogical approaches to improving education in our profession.

Organizer: Joshua D. Detre, Louisiana State University

Moderator: Joshua D. Detre, Louisiana State University

Teaching Tips: Perspective from Less Than 10 Years of Experience

Michael A. Gunderson, *Purdue University*

Teaching Tips: Perspective from 10 + Years of Experience

Stephen Devadoss, *University of Idaho*

Teaching Tips: Graduate Teaching and Advising

Terry L. Roe, *University of Minnesota*

Teaching Tips: Perspective from a Graduate Student

Sofia Kotsiri, *North Carolina State University*

2081 Value-added through Food Processing: Price, Time, and Nutrition Trade-offs

Mezzanine Level, Johnson

FAMPS and FSN Section Track Session

In choosing foods for purchase, consumers evaluate trade-offs between price and other product attributes such as convenience, nutrition, taste, shelf-life, food safety risk, and potential waste. This session begins with a theoretical discussion of food product attribute dimensions derived from household production theory and the quality literature. Then, two presentations focus on different comparisons of food product attributes using available USDA and other data sources. The final presentation focuses on the food industry perspective regarding minimizing costs of production and waste thus influencing food pricing.

Organizers: Helen H. Jensen, Iowa State University; Mary K. Muth, Research Triangle Institute International

Moderator: John Cranfield, University of Guelph

Some Theoretical Notes on Tradeoffs Between Prices, Time, and Nutrition from a Producer's Perspective

George C. Davis, *Virginia Polytechnic Institute and State University; Wen You, Virginia Polytechnic Institute and State University*

Comparing Prices and Attributes of Foods at Different Levels of Processing

Mary K. Muth, *Research Triangle Institute International; Helen H. Jensen, Iowa State University; Christian A. Gregory, USDA-Economic Research Service*

The Price of Less Healthy Convenience Foods Measured Three Different Ways

Andrea C. Carlson, *USDA-Economic Research Service; Elizabeth Frazao, USDA-Economic Research Service*

The Packaged Food Industry's Role in Reducing Food Waste

Gail Tavill, *ConAgra Foods*

Concurrent Sessions Tuesday, 2:45 pm–4:15 pm

2082 Behavioral Economics: What Every Policy Maker Should Know

Mezzanine Level, Truman

IBES Section Track Session

Research in the behavioral sciences, and behavioral economics in particular, predicts that restrictions on individual liberty can trigger resistance and reactance creating a drag on policy goals. Models that ignore this effect risk predicting responses far from reality and suggest social and private benefits that may not actually occur. A less paternalistic approach, grounded in the principles of behavioral economics, would be to preserve individual liberties. The focal point of this session is the intersection of behavioral economics and public policy—how insights and predictions from behavioral economics are powerful in guiding policy decisions—and will feature a presentation by Cass Sunstein, a public policy and behavioral economics expert.

Organizer: David R. Just, Cornell University

Moderator: Andrew Hanks, Cornell University

Food and Obesity Policy and Behavioral Economics

David R. Just, Cornell University

Environmental and Resource Policy and Behavioral Economics

Laura M. McCann, University of Missouri

Agricultural and Trade Policy and Behavioral Economics

David Zilberman, University of California, Berkeley

2083 Structural Stability Testing in Time Series Data

Mezzanine Level, Taylor

Econometrics Section Track Session

A common concern in time series econometric analysis is that parameters may change over the sample. This talk reviews some recent developments in the literature on both diagnosing neglected discrete parameter variation and also on the estimation of models that allow for such behaviour at unknown locations in the sample. For the latter class of models, an important inferential issue is the estimation of the number of parameter changes and the comparative properties of methods based on sequential testing and information criteria are discussed.

Organizer: Alan P. Ker, University of Guelph

Moderator: Alan P. Ker, University of Guelph

Structural Stability Testing in Time Series Data

Alastair Hall, University of Manchester

Concurrent Sessions Tuesday, 2:45 pm–4:15 pm

2084 Food Demand and Dietary Patterns: The Role of Income, Health, Geography, and Other Sociodemographic Factors

Mezzanine Level, Taft

AEM and COSBAE Section Track Session

In light of modern diet-related health problems such as obesity, diabetes, and cardiovascular disease, members of the nutrition, public health and economics communities acknowledge that both consumers and industry must play active roles in improving diet quality. This track session will present studies that examine how managerial decisions, firm strategy, and store format are tied to health issues and health claims through food marketing, advertisement, refrigeration, product labeling, packaging, product reformulation, and shipping. In other words, how are retail stores and the production and product sales of the food industry shaping consumer demand and health outcomes? 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).

Organizers: Tobenna Anekwe, USDA-Economic Research Service; Christopher G. Davis, USDA-Economic Research Service

Moderator: Christopher G. Davis, USDA-Economic Research Service

Discussant: Alfred Parks, Prairie View A&M University

Regional Demands for Disaggregated Food-Away-From-Home Products

Abigail M. Okrent, USDA-Economic Research Service; Aylin Kumcu, USDA-Economic Research Service; Christian A. Gregory, USDA-Economic Research Service

Analysis of Consumer Attitudes Toward Health, Wellness and Local Foods on Consumption of Grass Fed Beef

Robert W. Harrison, Louisiana State University; Bo Lin; Jeffrey M. Gillespie, Louisiana State University; Guillermo Scaglia, Louisiana State University

The Demand for Organic and Nonorganic Vegetable in the Southern United States

Erika K. Styles, Fort Valley State University; Christopher G. Davis, USDA-Economic Research Service; Mack C. Nelson, Fort Valley State University; Xuanli Liu, Fort Valley State University

Consumer's Food Shopping Choice in Ghana: Supermarket or Traditional Outlets?

Ting Meng, University of Georgia; Wojciech J. Florkowski, University of Georgia; Daniel Sarpong, University of Ghana-Legon; Manjeet Chinnan, University of Georgia

2085 Current Issues in the Federal Crop Insurance Program

Mezzanine Level, Tyler

AFM and ARA Section Track Session

Over the past 5 years the size and scope of the Federal Crop Insurance program has continued to grow rapidly as preferences have continued to shift towards revenue insurance programs, agricultural commodity prices have increased, and a number of modifications have been made to policy design and rating. Moreover, the program is positioned to officially become the main agricultural safety net as proposed Farm Bill programs shift away from income support towards revenue and price risk management programs designed to supplement existing insurance programs. This session will discuss program loss experience, issues related to rating methods, and suggestions for potential program reform. Discussants will provide their viewpoints on the industry from the public and private sectors, contrasting them with the academic panelists.

Organizer: Bruce J. Sherrick, University of Illinois at Urbana-Champaign

Discussants: Joseph W. Glauber, USDA-Office of the Chief Economist; Thomas P. Zacharias, National Crop Insurance Services

Crop Insurance Loss Experience

Bruce J Sherrick University of Illinois at Urbana-Champaign Gary D. Schnitkey, University of Illinois at Urbana-Champaign; Joshua D. Woodard, Cornell University

Crop Insurance Rating Issues

Barry K. Goodwin, North Carolina State University

Potential for Crop Insurance Reform

Nicholas D. Paulson, University of Illinois at Urbana-Champaign; Bruce A. Babcock, Iowa State University



Concurrent Sessions Tuesday, 2:45 pm–4:15 pm

2086 Invited Paper Session Featuring Selected Case Studies

Lobby Level, Delaware B

Invited Case Studies

Moderator: Amy L. Damon, Macalester College

Brasilagro: Organizational Architecture for a High Performance Farming Corporation

Fabio R. Chaddad, *University of Missouri*; **María Rodríguez-Alcalá**, *University of Missouri*

Deer Creek Farms: A Case Study Illustrating Strategic Risk Management in Agriculture

Elizabeth A. Yeager, *Purdue University*; **Sarah Stutzman**, *Purdue University*

Angel Investment and Collective Agricultural Marketing: Case Study of the Southeast Minnesota Food Network

Amy L. Damon, *Macalester College*; **Diego Nicola**, *Molino Dolores*

2087 Peer Advisory Groups for Agricultural Producers

Lobby Level, Salon 1

Extension Section Track Session

This symposium will explore ways for extension to develop and market the peer advisory concept as well as discuss potential impediments and roadblocks. The discussion will focus on pricing and marketing options, and related services that could be offered. Other topics to be addressed would be facilitator training and opportunities for networking across state lines. Finally, the session will explore ways peer groups could be self-supporting and even income generating as a means to partially offset increasingly strained extension budgets.

Organizer: Danny A. Klinefelter, Texas A&M University

Presenters: Damona Doye, Oklahoma State University; Jason Karszes, Cornell University

2088 The All-Important Year 2013: Farm Policy Making in the EU, the US and Canada

Lobby Level, Delaware A

CAES Organized Symposium

The session takes stock of the proposed or adopted policy changes in the EU and the US and examines how policy initiatives in Canada meet pressures like those in the EU and the US and pressures that are unique to Canada. Three experts assess the 2013 policy challenges in the EU, the US and Canada and a fourth expert discusses the views advanced. The context for policy development in the three countries includes international factors, budgetary concerns, procedural issues and the country-specific drivers.

Moderator: Lars Brink, Private Expert Advisor

Discussant: David Freshwater, University of Kentucky

Presenters: David Freshwater, University of Kentucky; Stephanie A. Mercier, Agricultural Policy Consultant; R. Allan Mussell, The George Morris Centre; James I. Rude, University of Alberta

Concurrent Sessions Tuesday, 2:45 pm–4:15 pm

2089 Rural Poverty and the Social Safety Net

Mezzanine Level, Harding

Organized Symposium

This session will explore two questions: (1) What are the causes and effects of persistent and concentrated poverty and why is poverty more persistent and concentrated in rural America? (2) What are the strengths and weaknesses of people- v. place-based social safety net policies in reducing poverty, particularly persistent and concentrated poverty?

Organizers: Paul A. Lewin, University of Idaho; Bruce A. Weber, Oregon State University

Moderator: Paul A. Lewin, University of Idaho

Discussants: Maureen Kilkenny, National Center for Food and Agricultural Policy; Alexander W. Marre, USDA-Economic Research Service

Panelists: Tracey L. Farrigan, USDA-Economic Research Service ; David J. Peters, Iowa State University; Bruce A. Weber, Oregon State University

2090 Topics in Environmental Economics and Policy

Mezzanine Level, Hoover

AARE Organized Symposium

Organizer: Antonio Miguel Bento, Cornell University

Moderator: Stephen F. Hamilton, California Polytechnic State University, San Luis Obispo

Third Party Verification and the Effectiveness of Voluntary Pollution Abatement Programs: Evidence from Responsible Care
Neha Khanna, Binghamton University; Martina Vidovic, Rollins College; Michael Delgado, Purdue University

No Free Polluting Anymore: the Impact of a Vehicle Pollution Charge on Air Quality

Davide Cerruti, University of Maryland

Expressing Value for Environmental Improvements in WTP and Willingness to Help

Amy W. Ando, University of Illinois at Urbana-Champaign; Catalina Londono, University of Illinois at Urbana-Champaign; Noelwah R. Netusil, Reed College

Environmental Policy With Collective Waste Disposal

Stephen F. Hamilton, California Polytechnic State University, San Luis Obispo; David L. Sunding, UC Berkeley; David Zilberman, University of California, Berkeley; Thomas W. Sproul, University of Rhode Island

2091 The European Union's Common Agricultural Policy after 2013

Mezzanine Level, Wilson A

Organized Symposium

The symposium aims at providing participants with a presentation of the CAP post-2013 and with the opportunity to discuss and exchange information and ideas on its likely implications. The political process which yielded the final decisions on the European Union's 2014-2020 budget and the new CAP will also be addressed.

Organizer: Giovanni Anania, University of Calabria

Discussants: Lars Brink, Private Expert Advisor; Daniel A. Sumner, University of California, Davis

Panelists: Giovanni Anania, University of Calabria; Tassos Haniotis, European Commission; Harald W. Von Witzke, Humboldt University of Berlin; Stephan Cramon-Taubadel, Georg-August University, Goettingen

Concurrent Sessions Tuesday, 4:30 pm–6:00 pm

2092 Role of Ownership *Mezzanine Level, Wilson B*

Selected Presentation

Various forms of ownership exist and each has its pros and cons. These papers present four different aspects of the role ownership structure plays in the management of firms.

Moderator: Julien Cadot, Institut Supérieur de Gestion

Pricing and Investment Under Uncertainty in a Duopoly: Evidence from Iowa Agricultural Marketing Cooperatives

Ziran Li, Iowa State University; **Keri L. Jacobs**, Iowa State University

Decision Making Among Canola Growers: The Impact of Farm and Grower Characteristics

Elwin G. Smith, Agriculture and Agri-Food Canada; **Richard Carew**, Agriculture and Agri-Food Canada; **Kace Warner**, University of Lethbridge

Family Conflict and Farm Profitability: Not Always a Negative Relationship

Tia M. McDonald, Purdue University; **Maria I. Marshall**, Purdue University

Agency Costs, Vertical Integration and Ownership Structure: The Case of Wine Business in France

Julien Cadot, Institut Supérieur de Gestion

2093 Price Movements in Agricultural Markets *Mezzanine Level, Wilson C*

Selected Presentation

The papers in this section explore how shocks, such as the effects of weather, food recalls, and political conflict, are transmitted through prices in agricultural commodity markets, or affect firm stock prices.

Moderator: Mohammad J. Alam, Ghent University

Dynamic Effects of Drought on the US Livestock Sector

Amanda M. Leister, Colorado State University; **John G Lee**, Purdue University; **Philip L. Paarlberg**, Purdue University

The Impact of Violent Political Conflict on Food Prices: Israel and the Palestinian Territories

Ofir D. Rubin, Ben-Gurion University of the Negev; **Rico Ihle**, University of Göttingen; **Yael Kachel**, Hebrew University of Jerusalem; **Barry K. Goodwin**, North Carolina State University

How Meat Recall Characteristics Affect Firm Stock Prices

Veronica Pozo, Kansas State University; **Ted C. Schroeder**, Kansas State University

Spatial Price Integration in the World and Bangladesh Rice Markets

Mohammad J. Alam, Ghent University

Concurrent Sessions Tuesday, 4:30 pm–6:00 pm

2094 Water Use and Valuation in Agriculture

Mezzanine Level, McKinley

Selected Presentation

The papers in this session use diverse methods to explore the value of water in different geographic, institutional, and climatic settings.

Moderator: Alyssa K. Cultice, Virginia Polytechnic Institute and State University

Farmer Preferences for Abiotic Stress Tolerance in Hybrid Versus Traditional Rice: Evidence from Bihar, India

Patrick S. Ward, *International Food Policy Research Institute*; **David J. Spielman**, *International Food Policy Research Institute*; **David L. Ortega**, *Michigan State University*; **Vartika Singh**, *International Food Policy Research Institute*; **Nicholas P. Magnan**, *University of Georgia*

The Value of Heterogeneous Property Rights and the Cost of Water Volatility

Daniel A. Brent, *University of Washington*

Farmer Response to Nutrient Credit Trading Opportunities in the Coastal Plain of Virginia

Olivia S. Movafaghi, *Virginia Polytechnic Institute and State University*; **Kurt Stephenson**, *Virginia Polytechnic Institute and State University*; **Daniel B. Taylor**, *Virginia Polytechnic Institute and State University*

Horticultural Producers' Willingness to Adopt Water Recirculation Technology

Alyssa K. Cultice, *Virginia Polytechnic Institute and State University*; **Darrell J. Bosch**, *Virginia Polytechnic Institute and State University*; **Jim Pease**, *Virginia Polytechnic Institute and State University*; **Kevin J. Boyle**, *Virginia Polytechnic Institute and State University*

2095 Consumer Valuation of Food Labels

Mezzanine Level, Balcony A

Selected Presentation

Several different food labels are evaluated in the papers presented in this session as a way to demonstrate potential implications from emerging labeling schemes (private and/or regulated).

Moderator: David Brian Willis, Clemson University

Consumer Acceptance and Willingness to Pay for Eggs from Enhanced Animal Welfare Production Systems

Yiqing Lu, *University of Guelph*; **John Cranfield**, *University of Guelph*

Consumer Response to Egg Production Systems and the Effect of Proposition 2 Advertising: A Neuroeconomic Analysis

Brandon R. McFadden, *Oklahoma State University*; **Jayson L. Lusk**, *Oklahoma State University*; **John M. Crespi**, *Kansas State University*; **J. Bradley C. Cherry**, *University of Missouri at Kansas City*; **Laura E. Martin**, *University of Kansas Medical Center*; **Amanda S. Bruce**, *University of Missouri at Kansas City*

The Chicken Wears No Skin: Ordering Effects in Elicitation of Willingness to Pay for Multiple Credence Attributes in Ethical and Novel Food Products

Sean B. Cash, *Tufts University*; **John Cranfield**, *University of Guelph*; **Peter Slade**, *University of Guelph*

Consumer Willingness to Pay for Locally Grown Produce Designed to Support Local Food Banks and Enhance Locally Grown Producer Markets

David Brian Willis, *Clemson University*; **Carlos E. Carpio**, *Clemson University*; **Kathryn A. Boys**, *Virginia Polytechnic Institute and State University*; **Emily D. Young**, *Clemson University*

Concurrent Sessions Tuesday, 4:30 pm–6:00 pm

2096 New Technologies and Research in Agriculture

Lobby Level, Virginia C

Selected Presentation

The session covers various topics related to new technologies in food and research in agriculture. Two of the presentations investigate nano technology in food while the other two presentations look into disease control in US crops.

Moderator: Kate B. Fuller, University of California, Davis

Effect of Information from Various Sources on Consumers' Willingness to Pay for Nano-Packaged Food Products: Evidence from Experimental Auctions

Bhagyashree Katare, University of Minnesota; Chengyan Yue, University of Minnesota; Terrance M. Hurley, University of Minnesota

Public Acceptance of and Willingness to Pay for Nanofood: Case of Canola Oil

Guzhen Zhou, University of Florida; Wuyang Hu, University of Kentucky; John K. Schieffer, University of Kentucky

Bioeconomic Modeling of an Imported Disease in California Lettuce

Christine L. Carroll, University of California, Davis; Colin Andre Carter, University of California, Davis; Krishna V. Subbarao, University of California, Davis; C.-Y. Cynthia Lin, University of California, Davis

The Costs and Benefits of Pierce's Disease Research in the California Winegrape Industry

Julian M. Alston, University of California, Davis; **Kate B. Fuller**, University of California, Davis; Jonathan D. Kaplan, California State University, Sacramento; Kabir Tumber, University of California, Davis

2097 Analyzing Relationships Between Food Labels and Dietary Patterns

Lobby Level, Park 8206

Selected Presentation

This session focuses on nutritional label usage and diet health behavior. One presentation will analyze the impact of parental nutritional label usage and children's diet quality. Furthermore, the role of food deserts on diet quality will be examined.

Moderator: Lisa Mancino, USDA-Economic Research Service

Nutrition Label Usage, Diet Health Behavior, and Information Uncertainty

Sven M. Anders, University of Alberta; **Christiane Schroeter**, California Polytechnic State University, San Luis Obispo

Parental Nutrition Label Usage and Children's Dietary-Related Outcomes

Wen You, Virginia Polytechnic Institute and State University; Rodolfo M. Nayga, University of Arkansas; **Maria V. Vinales**, Virginia Polytechnic Institute and State University

Stress in the Desert: Estimating the Relationship Among Diet Quality, Allostatic Load, and Food Access

Lisa Mancino, USDA-Economic Research Service; Michele L. Ver Ploeg, USDA-Economic Research Service



Concurrent Sessions Tuesday, 4:30 pm–6:00 pm

2098 Economy, Poverty, and Welfare

Lobby Level, Park 8209

Selected Presentation

Presentations examine different aspects of the relationship between economy, poverty and welfare.

Moderator: Mark Musumba, Texas A&M University

Does the Economy Explain the Explosion in the SNAP Caseload?

Caroline Danielson, Public Policy Institute of California; **Jacob A. Klerman**, Abt Associates

Meeting Nutritional Guidelines in the United States: The Prevalence, Depth, and Severity of Money and Time Poverty for Food Stamp Targeted Households

George C. Davis, Virginia Polytechnic Institute and State University; **Wen You**, Virginia Polytechnic Institute and State University; **Rana Sauyma**, Virginia Polytechnic Institute and State University

The Coming of 'Lewis Turning Point' or 'Aging Before Affluence'? The Impact of China's Demographic Transition

Xinxin Wang, Zhejiang University

Remitter/Receiver Relations in Africa

Mark Musumba, The Earth Institute, Columbia University; **James Mjelde**, Texas A&M University

2099 Industrial Organization and Supply Chain Management at the Farm Level

Lobby Level, Park 8212

Selected Presentation

Papers in this session address issues that affect supply chain and organizational decisions of farmers and farms.

Moderator: Alexander E. Saak, International Food Policy Research Institute

Vertical Integration or Contract Farming on Biofuel Feedstock Production: A Technology Innovation Perspective

David Zilberman, University of California, Berkeley; **Liang Lu**, University of California, Berkeley; **Xiaoxue Du**, University of California, Berkeley

Farmers' Markets Location Determinants: An Empirical Analysis in New England

Joshua P. Berning, University of Connecticut; **Alessandro Bonanno**, Wageningen University; **Hamideh Etemadnia**, Pennsylvania State University

Traceability in a Supply Chain With Repeated Double Moral Hazard

Alexander E. Saak, International Food Policy Research Institute

2100 Cash and In-Kind Transfers

Lobby Level, Park 8216

Selected Presentation

Cash transfers have become an increasingly popular tool for improving the lives of recipients in poor countries. These papers explore different ways in which cash and in-kind transfers impact beneficiaries. The topics investigated by these papers include the impact of these transfers on productive capacity and the comparison of benefits by transfer modality.

Moderator: Joanna Upton, Cornell University

Does Early Cash-Based Interventions in a Food Crisis Enhance Resilience? Lessons from Niger

Emmanuel Tumusiime, Oxfam

Development Chutes and Ladders: A Joint Impact Evaluation of Asset and Cash Transfers in Brazil

Dylan B. Fitz, University of Wisconsin

Food Aid Or Cash? Evidence from a Randomized Trial in Yemen

Benjamin Schwab, International Food Policy Research Institute

The Impact of Cash and Food Transfers: Evidence from a Randomized Intervention in Niger

John Hoddinott, International Food Policy Research Institute; **Susanna Sandström**, Abo Akademi University; **Joanna Upton**, Cornell University

Concurrent Sessions Tuesday, 4:30 pm–6:00 pm

2101 Health and Conflict in Developing Countries

Lobby Level, Park 8219

Selected Presentation

These papers explore several different topics in the areas of health and conflict.

Moderator: Eeshani Kandpal, World Bank

Growing Their Own: Unobservable Quality and the Value of Self-Provisioning

Vivian E. Hoffmann, University of Maryland; Ken Gatobu

Can National Health Insurance Programs Improve Health Outcomes: Re-Examining the Case of the New Cooperative Medical Scheme in Rural China

Xueling Chu, Zhejiang University; **Qihui Chen**, University of Minnesota; Xiangming Fang, University of Minnesota

Utilizing Local Capacity to Supplement Government Health Programs: Cautionary Evidence from a Malaria Prevention RCT in India

Ashish Kumar Das, World Bank; Jed Friedman, World Bank; **Eeshani Kandpal**, World Bank

2102 Trade Policies: Assessing Their Impacts

Lobby Level, Park 8226

Selected Presentation

The impacts of various trade policy interventions will be identified and assessed in this session. Trade policy effects on price transmission, the organization of specific industries, the relative extent of extensive and intensive trade margins, and the preferential treatment of developing countries are specifically considered. Case examples in this session are largely focused on EU and European country policies.

Moderator: Luca Salvatici, Università Roma Tre

Impacts of Export Controls on Price Transmission

Feng Qiu, University of Alberta

Strategic Trade Policies in the US Orange Juice Market: Competition Between Florida and São Paulo

Jeffrey A. Luckstead, Washington State University

Margins of Trade and Margins of Preferences: The Impact of EU Trade Preferences on the Intensive and Extensive Agricultural Product Margins

Valentina Raimondi, University of Milano; **Margherita Scoppola**, University of Macerata; Alessandro Olper, University of Milano

Do Preferential Trade Policies (Actually) Increase Exports? An Analysis of EU Trade Policies

Maria Cipollina, Università del Molise; David Laborde, International Food Policy Research Institute; **Luca Salvatici**, Università Roma Tre

2103 Bioeconomic and Dynamic Models

Lobby Level, Park 8228

Selected Presentation

This session contains papers that make use of bioeconomic and dynamic models. Topics include deer hunting, invasive species, pesticide use, and greenhouse gases.

Moderator: Justin S. Baker, Research Triangle Institute International

Designing Cost-Efficient Surveillance Strategies for Early-Detection of Invasive Species

Rebecca S. Epanchin-Niell, Resources for the Future; Eckehard Brockerhoff, New Zealand Forest Research Institute; John Kean, AgResearch, New Zealand; James Turner, AgResearch, New Zealand

Should We Internalize Intertemporal Production Externalities in the Case of Pesticides?

Elsa Martin, CESAER (INRA-Agrosup)

A Multi-Sector Intertemporal Optimization Approach to Assess the Ghg Implications of US Forest and Agricultural Biomass Electricity Expansion

Justin S. Baker, Research Triangle Institute International; Gregory Latta, Oregon State University; Robert H. Beach, Research Triangle Institute International; Bruce A. McCarl, Texas A&M University; Steven K. Rose, Electric Power Research Institute

Concurrent Sessions Tuesday, 4:30 pm–6:00 pm

2104 Estimation of Supply and Agricultural Production

Lobby Level, Maryland A

Selected Presentation

This session focuses on the role of price expectations and futures prices in estimating agricultural supply functions. It also examines factors contributing to efficiency and profitability of general and organic corn farms.

Moderator: William D. McBride, USDA-Economic Research Service

Evaluating Price Expectations When Estimating Agricultural Supply Response Models

Carlos Anthony Arnade, USDA-Economic Research Service; **Joseph C. Cooper**, USDA-Economic Research Service

Futures Prices in Supply Analysis Reconsidered

Nathan P. Hendricks, Kansas State University; **Aaron D. Smith**, University of California, Davis; **Joseph Janzen**, University of California, Davis

The Impacts of Off-Farm Income on Efficiency, Scale, and Profitability for Corn Farms

Richard F. Nehring, USDA-Economic Research Service; **Ashok K. Mishra**, Louisiana State University; **Jorge A. Fernandez-Cornejo**, USDA-Economic Research Service; **Charles Hallahan**, USDA-Economic Research Service; **Michael Harris**, USDA-Economic Research Service; **Kenneth W. Erickson**, USDA-Economic Research Service

The Structure and Profitability of Organic Corn Production

William D. McBride, USDA-Economic Research Service; **Catherine R. Greene**, USDA-Economic Research Service; **Linda F. Foreman**, USDA-Economic Research Service

2105 Advances in the Econometric Analysis of Microeconomic Data

Lobby Level, Maryland B

Selected Presentation

Four innovative contributions illustrating techniques to analyze firm or consumer data with low level of aggregation.

Moderator: Tor N. Tolhurst, University of Guelph

Food Insecurity and Educational Achievement: A Multi-Level Generalization of Poisson Regression

Allison J. Ames, University of North Carolina at Greensboro; **Glenn C.W. Ames**, University of Georgia; **Jack E. Houston, Jr.**, University of Georgia; **Simone Angioloni**, University of Georgia

Correcting for Measurement Error in a Stochastic Frontier Model: A Fishery Context

Christopher Burns, University of Massachusetts Amherst

Pseudo Panel Data Estimation Technique and Rational Addiction Model: An Analysis of Tobacco, Alcohol, and Coffee Demands

Aycan Koksas, Cleveland State University; **Michael K. Wohlgenant**, North Carolina State University

Rethinking the Technological Trend in Crop Yields: Modelling a Heterogeneous Trend in the Component Means of a Normal Mixture Yield Model

Tor N. Tolhurst, University of Guelph; **Alan P. Ker**, University of Guelph

Concurrent Sessions Tuesday, 4:30 pm–6:00 pm

2106 Conservation Biology and Land Use Decisions

Lobby Level, Maryland C

Selected Presentation

Land use and conservation interactions are examined from the perspective of optimal site selection, minimizing land acquisition, and incentivizing reduced risks of ecosystem losses, including wildfire.

Moderator: Taeyoung Kim, University of Tennessee

Private Incentives for Investments to Mitigate Wildfire Risk in the Wildland-Urban Interface

Laine Christman, University of Nevada, Reno; Michael H. Taylor, University of Nevada, Reno; Kimberly S. Rollins, University of Nevada, Reno

Land Development Restrictions and Preemptive Action – On the Benefits of Differentiated Regulation

Andreas Lange, University of Hamburg; Xiangping Liu, University of Gothenburg

Optimal Biological Reserve Site Selection With Spatially Correlated Risk

Ying Xu, Virginia Polytechnic Institute and State University; Gwenlyn Busby, Virginia Polytechnic Institute and State University

Impacts of Size of Protected Areas on Land Acquisition Costs for Conservation

Taeyoung Kim, University of Tennessee; Seong-Hoon Cho, University of Tennessee; Paul R. Armsworth, University of Tennessee; Eric R. Larson, University of Tennessee

2107 Electricity, Conservation, and Renewable Energy Policy

Lobby Level, Virginia B

Selected Presentation

Session covers renewable electricity policy, demand side management, and consumer and producer investment.

Moderator: Joseph A. Maher, University of Maryland

Renewable Energy Policies for the Electricity, Transportation, and Agricultural Sectors: Complements Or Substitutes for Reducing Ghg Emissions

Anthony Oliver, University of Illinois at Urbana-Champaign; Madhu Khanna, University of Illinois at Urbana-Champaign

Uncertainty in the Renewable Electricity Credits Market and the Production Tax Credit: Is it Worth Investing in Renewable Electricity Today?

Derya Eryilmaz, University of Minnesota; Frances R. Homans, University of Minnesota

Households' Investment in Distributed Energy Generation: Determinants and Policy Implications

Christine Lasco Crago, University of Massachusetts Amherst

Evaluating the Cost-Effectiveness of Rebate Programs for Residential Energy-Efficiency Retrofits

Joseph A. Maher, University of Maryland

Concurrent Sessions Tuesday, 4:30 pm–6:00 pm

2108 Local Food and Its Connections to Local Communities

Mezzanine Level, Balcony B

CRENET and CWAE Section Track Session

This session will introduce 3 presentations to discuss essential information about opportunities to promote local food including the USDA and local programs - USDA funding opportunities and programs to support local food projects, factors influencing the decisions of fruit and vegetable producers to participate in PTP and TFF programs, and distribution and value chain on local food.

Organizers: Dayton M. Lambert, University of Tennessee; Chyi-Lyi (Kathleen) Liang, University of Vermont

Moderator: Chyi-Lyi (Kathleen) Liang, University of Vermont

Ams Funding Opportunity for Local Food Projects

Luanne Lohr, *USDA-Agricultural Marketing Service*

Factors Influencing Fruit and Vegetable Producer Participation in a State-Sponsored Locally Grown Campaign

Margarita M. Velandia, *University of Tennessee*

Factors Affecting the Success of Values-Based Supply Chains in the Western United States

Shermain D. Hardesty, *University of California, Davis*

Farm-Local Community Linkages in a Local Food Systems Context

Stephen J. Vogel, *USDA-Economic Research Service*; **Gary Matteson**, *The Farm Credit Council*

2109 The Utility of Tablets and Technology in Teaching Agribusiness Courses

Mezzanine Level, Taft

AEM and TLC Section Track Session

The pros and cons of teaching agribusiness classes with tablets are discussed, along with a survey and demonstration of relevant apps. Additionally, opportunities and challenges in course instruction due to student use of social media and electronic communication are discussed. Student survey results of tablet and technology use are reported from multiple institutions.

Organizers: Charles Robert Stark, Jr., University of Arkansas at Monticello; Steven S. Vickner, The Ohio State University

The Impact of Social Media and Electronic Communication on Teaching: Some Survey Results Comparing Student Usage at Large Versus Small Agricultural Universities

Charles Robert Stark, Jr., *University of Arkansas at Monticello*

An Overview of Tablet Apps for Agribusiness Professors

Michelle L. Santiago, *Sam Houston State University*

The Role of Tablets in Modernizing the Classroom Experience

Steven S. Vickner, *The Ohio State University*

Concurrent Sessions Tuesday, 4:30 pm–6:00 pm

2110 The Life and Times of a New Faculty Member

Lobby Level, Delaware B

GSS Section Track Session

The only guarantee on the road from student to faculty is a bumpy ride! The responsibilities of a new faculty member can be nebulous and how to best manage time can be even more unclear. Don't be a victim of asymmetric information, come to this track session and find out what to expect from newly hired faculty members.

Organizer: Brandon R. McFadden, Oklahoma State University

Panelists: Brenna Ellison, Oklahoma State University; Brian R. Williams, Mississippi State University

2111 The Evolving Dual Burden of Obesity and Malnutrition: Driving Forces and Implications for Development

Mezzanine Level, Truman

FSN and Senior Section Track Session

Our session explores the driving forces behind the recent growth of obesity in developing countries, despite the continuing presence of malnutrition. This “dual burden” is now common across communities as well as within households, and significantly complicates policy interventions designed to alleviate hunger or raise living standards. The papers in this session discuss the driving forces of dual burden and investigate how it is affected by conditional cash transfer programs.

Organizer: Chad D. Meyerhoefer, Lehigh University

Moderator: Chad D. Meyerhoefer, Lehigh University

The Changing Face of Global Child Malnutrition

William A. Masters, Tufts University

Cash and In-Kind Transfers Lead to Excess Weight Gain in a Population of Women With a High Prevalence of Overweight in Rural Mexico

Jef Leroy, International Food Policy Research Institute; **Paola Gadsden**, State Government of Morelos; **Teresa González De Cossío**, National Institute of Public Health, México; **Paul Gertler**, University of California, Berkeley

Can Intra-Household Allocation Help Us Explain the Relationship Between Conditional Cash Transfer Programs and Anthropometric Outcomes?

Chad D. Meyerhoefer, Lehigh University; **Lea Gimenez Duarte**, World Bank; **David Sahn**, Cornell University

The Effect of Household Technology on Obesity and Weight Gain Among Chinese Female Adults: Evidence from China's Home Appliances Going to the Countryside Policy

Cheng Chen, Lehigh University; **Shin-yi Chou**, Lehigh University & NBER; **Robert J. Thornton**, Lehigh University



Concurrent Sessions Tuesday, 4:30 pm–6:00 pm

2112 The Economics of Executive Order 13508: The Chesapeake Bay and Implications for Large-Scale Watershed *Mezzanine Level, Taylor*

ENV Section Track Session

The US EPA is charting a new course for addressing point and non-point source pollution in watersheds and coastal estuaries through the Chesapeake Bay Program. Pollution control throughout the 64,000 square mile Chesapeake Bay watershed been popularly characterized as the imposition of upstream costs to provide downstream benefits. However, a closer look reveals that there are heterogeneous benefits and costs throughout the watershed. Moreover, much of the recent work on the economics of non-point source pollution control emphasizes potential applications to Chesapeake Bay or similarly high profile estuaries and bays that drain large watershed areas. Given the prominence of the watershed, the recent executive order mandating its protection and restoration, a total maximum daily load (TMDL) for nutrients that is catalyzing explorations of novel approaches to water quality management, and central role of economics in both informing policy approaches and evaluating outcomes, papers in this session present primary contributions on the economics of Chesapeake Bay pollution control. These papers address both potential methods of pollution control and outcomes in terms of heterogeneous

benefits and costs across the watershed. While emphasizing Chesapeake Bay, these analyses have broad implications for pollution control in watersheds across the US.

Additionally, Kevin J. Boyle, Virginia Tech will be providing an introduction to the new AAEE / ENV (Land, Water and Environmental Economics) Section.

Organizer: Robert J. Johnston, Clark University

Using Markets to Achieve Large Scale Ecosystem Restoration: Oysters and Nutrient Trading in the Chesapeake Bay

Douglas Lipton, *University of Maryland*; **Geret DePiper**, *National Oceanic and Atmospheric Administration*

Nutrient Credit Trading and Incentives to Meet Agricultural Baseline Requirements for the Chesapeake Bay TMDL

George Van Houtven, *Research Triangle Institute International*; **Ross Loomis**, *Research Triangle Institute International*; **Justin S. Baker**, *Research Triangle Institute International*

The Efficiency of Alternative Policy Approaches for Reducing Agricultural Nonpoint Source Pollution in the Chesapeake Bay TMDL

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

Water Quality Trading and Adoption of Best Management Practices

Joshua M. Duke, *University of Delaware*; **Tyler Monteith**, *University of Delaware*; **Joshua M. McGrath**, *University of Maryland*; **Nicole M. Fiorellino**, *University of Maryland*; **Emileigh Rosso**, *University of Maryland*

2113 Agricultural Trade and Price Transmission in African Countries

Lobby Level, Virginia A

COSBAE and International Section Track Session

In this session we focus on factors affecting agricultural trade in African countries. In particular, we highlight how export bans impact international price transmission, as well as how GMO adoption impact price transmission. The session also focuses on trade between Africa and the EU.

Organizer: Andrew Muhammad, USDA-Economic Research Service

Moderator: Blondel A. Brinkman, USDA-Animal and Plant Health Inspection Service

Tanzania's Maize Export Ban and Heterogeneous Impacts on Regional Prices

Athur Mabiso, *International Food Policy Research Institute*

Adoption of Genetically Modified Maize in South Africa: Effects on Price Transmission With Global Markets

Edward T. Mabaya, *Cornell University*; **Babatunde O. Abidoye**, *University of Pretoria*

Structural Change in EU Fish Import Demand: Implications for East African Exports.

Andrew Muhammad, *USDA-Economic Research Service*

Food Trade Restrictions and Price Volatility: Implications for African Developing Countries

William J. Martin, *World Bank*

Concurrent Sessions Tuesday, 4:30 pm–6:00 pm

2114 Risk Modeling for Extension Economists

Mezzanine Level, Tyler

ARA and Extension Section Track Session

Extension economists often need to incorporate risk into the advice given to client groups. Simulation analysis can be an effective technique to examine a problem involving risk, but this technique can be difficult to use and the results difficult to convey. This session will illustrate how extension economists can approach such a problem and how best to use some of the available simulation tools.

Organizer: Gregory A. Ibendahl, Kansas State University

Spreadsheet Modeling Techniques - Historical Data

Gregory A. Ibendahl, Kansas State University

Spreadsheet Modeling Techniques - Trend Components

Steven L. Klose, Texas A&M University

PGH Method

Ardian Harri, Mississippi State University

Improving Simulation Results

John D. Anderson, American Farm Bureau Federation

2115 Madly Off in All Directions - The Pursuit of Preferential Trade Agreements by North American Governments

Lobby Level, Delaware A

CAES Organized Symposium

This session analyses the prospects for liberalising trade between important North American partners, outside the auspices of the WTO. The discussion focuses on negotiations radiating out from North America, including between the US and the EU, the Trans-Pacific Partnership, and agricultural negotiations between NAFTA countries and countries in Central and South America and the Caribbean. The symposium comprises three presentations, followed by a moderated discussion between presenters and audience members.

Moderator: Jill E. Hobbs, University of Saskatchewan

Presenters: Adriana Herrera Moreno, Johns Hopkins University; Jill E. Hobbs, University of Saskatchewan; Timothy E. Josling, Stanford University; William A. Kerr, University of Saskatchewan; Steven S. Zahniser, USDA-Economic Research Service