

Types of Concurrent Sessions

Invited Paper Sessions

Invited Paper sessions are selected by the AAEA President and two additional Board members based on proposals submitted by AAEA members. These sessions are chosen because they may appeal to a broad spectrum of meeting attendees, further the development and dissemination of systematic knowledge in the field of agricultural and applied economics, and/or generate meaningful conversation. Invited Paper sessions generally involve 2-3 paper presentations and ample opportunity for discussion. Invited papers may also be published in the proceedings issue of the *American Journal of Agricultural Economics*.

Invited Case Study Papers

Invited Case Study Paper sessions are selected by members of the Case Study Committee based on proposals submitted by AAEA members. Papers presented in this session demonstrate how the application of economics principles to decision making in the public and/or private sectors lead to better decisions. Papers presented in this session may be published in the proceedings issue of the *American Journal of Agricultural Economics*.

Organized Symposia

Organized Symposia are selected by the AAEA President based on proposals submitted by AAEA members. They highlight work-in-progress and involve discussions of policy issues, research methods, emerging research results, teaching or outreach topics, and issues in professional organization. The format of a session may involve paper presentations, panel discussions, debates, roundtable meetings, or other formats.

Selected Presentation Lightning Session

New to the AAEA Annual Meeting is the Selected Presentation Lightning Session. This session includes 8 Selected Paper Presentations. Each presenter will have 9-10 minutes to present and discuss their paper.

Session 2013:

Food and Agricultural Marketing – Lightning Session

Tuesday, July 29

9:45 am – 11:15 am

Greenway G, Second Level

See page 75 for more information.

Selected Paper Presentations

The term “Selected Presentations” refers collectively to Selected Papers and Selected Posters.

Selected Paper Sessions include up to four paper presentations. Each paper presentation is given 20 minutes; 15 minutes to present and five minutes for discussion. A listing of sessions by subject can be found in the Topical Index, starting on page 111.

Track Sessions

Tracks are a set of multiple sessions submitted by AAEA Sections, scheduled throughout the meeting and devoted to a common interest area or topic. Sessions can be organized by a single Section or by multiple Sections to cover a wider range of topics. Track session listings by Section can be found in the Topical Index, starting on page 111.

Concurrent Sessions — Monday, 9:45 AM - 11:15 AM

1001 Cost Effective and Ecologically Effective Land Protection for Nature Conservation

Regency, Second Level

Invited Paper and AERE, ENV, and CRENET Section Track Session

This session provides a comprehensive study on ecological and economic effectiveness of land conservation. These three papers present cost measurement, benefit measurement, and prioritization tools that combine cost and benefit measurements of land conservation. The coherent theme deals with current needs of nature conservation under an increasingly growing demand for land conservation and increasingly limited conservation resources.

Organizer: Seong-Hoon Cho, University of Tennessee

Moderator: Seong-Hoon Cho, University of Tennessee

Discussant: Robert Haight, US Forest Service

Are There Economies of Scale in Cost Effective and Ecologically Effective Land Acquisition for Nature Conservation?

Seong-Hoon Cho, University of Tennessee; **Taeyoung Kim**, University of Tennessee; **Eric Larson**, University of Tennessee; **Paul Armsworth**, University of Tennessee

The Effect of Protected Areas on Ground Cover: Evidence from Mexico

Alexander Pfaff, Duke University; **Francisco Santiago-Ávila**, Resources for the Future; **Lucas Joppa**, Microsoft

Welfare and Biodiversity Tradeoffs in Urban Open Space Protection in the United States

Laila Tajibaeva, University of Minnesota; **Robert Haight**, US Forest Service; **Stephen Polasky**, University of Minnesota

1002 Non-standard Risk Contracting in Agriculture and Fisheries

Northstar A, Second Level

AFM and ARA Section Track Session

Food producers without access to the largesse of the US Federal crop insurance programs are often forced to manage risk more traditionally, through the use of futures, forwards and options contracts. However, as with mainstream crop insurance, these contracts have limited availability for produce farmers, aquaculturalists and fisheries, and for farmers in the developing world. For these underserved groups, alternative risk sharing arrangements have emerged. Community supported agriculture contracts (CSAs) and their fisheries counterpart, CSFs (in Japan), allow producers to substitute high-priced items/species out of consumer deliveries, so the contracts contain an option value providing superior risk management to producers at potentially lower cost. A challenge is to monitor the frequency of unfavorable substitutions, as multi-season renewal rates are often low. In the developing world, risk contingent credit arrangements allow for partial/complete non-repayment of loans for dairy farmers experiencing severe drought. These contracts embed an option value critical for the functioning of the Kenyan dairy industry, where limited capital and no access to forward contracting make loans difficult to secure with collateral. The session will combine results from theory, field experiments, and surveys of consumer preferences.

Organizer: Thomas Sproul, University of Rhode Island

Moderator: Thomas Sproul, University of Rhode Island

A Field Study for Assessing Risk Contingent Credit for Kenyan Pastoralists and Dairy Farmers

Apurba Shee, International Livestock Research Institute; **Calum Turvey**, Cornell University; **Joshua Woodard**, Cornell University

Forward Contracting and Option Value in Community Supported Agriculture (CSAs)

Thomas Sproul, University of Rhode Island

Member Retention and Contract Terms in Community Supported Fisheries (CSFs)

Hirotsugu Uchida, University of Rhode Island; **Emi Uchida**, University of Rhode Island

Concurrent Sessions — Monday, 9:45 AM - 11:15 AM

1003 Hunger and Hope: Progress in Reducing Poverty and Fostering Food Security in the Developing World

Lakeshore C, Main Level

International and Senior Section Track Session

A panel of agricultural development experts will address where the world currently stands with respect to poverty and malnutrition, where progress has been made and why, and what needs to occur in agricultural development to foster future gains in food security. One panelist will focus on poverty, a second on nutrition, a third on technical change and productivity growth in agriculture, and a fourth on institutional changes that affect agriculture. The latter two panelists will highlight how and where improved agriculture technologies and institutional changes have made a difference, who was responsible for those changes, and what technical and institutional changes are needed in the future in light of climate change, continued population growth, growing water scarcity, and persistent conflict in many countries. This international and senior track session is sponsored in part by the Blue Ribbon Development Panel of C-FARE, which is charged with identifying cutting edge solutions to international agricultural development problems that are being developed around the world, and communicating those solutions to a broad audience of practitioners and supporters of agricultural development programs.

Organizer: George Norton, Virginia Polytechnic Institute and State University

Discussant: George Norton, Virginia Polytechnic Institute and State University

Poverty: How Far Have We Come; Where Will We Go?

Jeffrey Alwang, *Virginia Polytechnic Institute and State University*

Global Food Security: Nutritional Status and Prospects for the Future

William Masters, *Tufts University*

Agricultural Productivity Growth: What Happened, How, Who is Responsible, the Road Ahead

Paul Heisey, *USDA-Economic Research Service*

The Critical Role of Institutions: What have We Learned?

Michael Carter, *University of California, Davis*

1004 Consumer Labeling Issues

Lakeshore A, Main Level

FAMPS and FSN Section Track Session

Labeling is one piece of a larger collaborative risk communication strategy. Labeling helps consumers to establish or reestablish individual control over consumption, leveling the playing field for making consumption decisions. Especially relevant for experience and credence goods, effective labeling initiatives can benefit both producers and consumers. This session examines three contemporary labeling issues. While the labeling of genetically engineered foods (or ingredients) is not new, the debate over labeling continues. Issues of food fraud, where a lack of labeling standards may allow adulterated or fraudulent ingredients into the marketplace has grown and, new technologies may make it easier for consumers to utilize available information. This session includes four papers that examine food labeling issues. Kolodinsky and Reynolds provide a historical perspective on consumer attitudes toward and demand for GMO labels. Pendell describes the current legislative landscape regarding GM labeling in Colorado. Derrick Jones presents a paper on horse meat food fraud. Diogo de Souza Montiero, Ben Lowe, and Iain Fraser present an analysis of willingness to pay for new technologies that provide product information.

Organizer: Jane Kolodinsky, University of Vermont

Information-seeking and Demand for GM Labeling in Vermont since 2000

Jane Kolodinsky, *University of Vermont*; *Travis Reynolds*, *Colby College*

GMO Labeling Legislative Update: The Colorado Experience

Dustin Pendell, *Colorado State University*

Willingness-to-Pay for Technology to Improve Access to Nutritional, Diet and Allergy Information in Retail Environments

Diogo Souza Monteiro, *University of Kent*; *Ben Lowe*, *University of Kent*; *Iain Fraser*, *University of Kent*

Fourth Presentation

TBD

Concurrent Sessions — Monday, 9:45 AM - 11:15 AM

1005 Behavioral Economics and Food Choice: Understanding the Environmental and Neurological Mechanisms That Influence Behavior

Greenway A, Second Level

IBES Section Track Session

Given the current trends in obesity, a significant amount of attention has been devoted to identifying and understanding the factors that influence food choices. Traditional economic models generally assume that prices and income are the main factors that contribute to food selection. Unfortunately, these models ignore the every-day situations and surroundings in which consumers live. Research in the behavioral sciences shows that emotions, environments, and situations can greatly influence choice, especially when dealing with food. Recent advances in technology have generated opportunities for using fMRI machines in understanding the neural pathways associated with food selection. Research in this area has generated greater insights into consumer behavior as decisions in various contexts can be linked to specific neural activity.

In this session, experts in behavioral economics and food choice will identify key behavioral factors and neural mechanisms that influence what consumers choose. In the first presentation, research will be presented that shows how in a setting where food options have been restricted, choice architecture can generate the perception of an expanded choice set and avoid the reactance associated with heavy-handed policies. The next two presentations will provide evidence documenting the influence of visual cues, social pressure, informational nudges, and pre-ordering on selection and consumption of fruits, vegetables, and other nutrient rich foods in school lunchrooms. The session will conclude with a presentation highlighting the neural pathways associated with food choice when individuals choose between foods processed with different technologies. Research presented in this session will provide greater insights into consumer behavior that can be leveraged to nudge individuals toward healthier lifestyles.

Organizer: Andrew Hanks, Cornell University

Moderator: David Just, Cornell University

Perceived Choice: Using Choice Architecture to Reduce Reactance in Food Choice

Andrew Hanks, Cornell University; **David Just**, Cornell University; **Brian Wansink**, Cornell University

Effects of Informational Nudging on Pre-ordered Fruit and Vegetable Choices of Middle School Students

Jaclyn Kropp, University of Florida; **Sonam Gupta**, University of Florida

Can Lunchroom Nudges Develop Healthy Taste Buds in Elementary School Children?

Janani Rajbhandari Thapa, Texas Tech University; **Conrad Lyford**, Texas Tech University

Predicting Consumer Choice in Food Price-Technology Tradeoffs Using Functional Magnetic Resonance Imaging

Jayson Lusk, Oklahoma State University; **John Crespi**, Kansas State University; **J. Bradley Cherry**, University of Missouri-Kansas City; **Brandon McFadden**, Oklahoma State University; **Laura Martin**, University of Kansas

1006 Washington Policy Update by Chief Economists from the House and Senate Ag Committees

Mirage, Second Level

Extension Section Track Session

Congress deals with a broad range of policy issues—from long-standing, agriculture-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 work for the Congress, as well as perspectives on farm bill development. They also will seek comments and insights on issues from session attendees.

Organizer: Steven Klose, Texas A&M University

Farm Policy Outlook: Perspective from the House Majority

Bart Fischer, US House of Representatives

Farm Policy Outlook: Perspective from the Senate Minority

Keith Coble, Mississippi State University

Farm Policy Outlook: Perspective from the Senate Majority

Joe Shultz, Senate Committee on Agriculture, Nutrition & Forestry

Concurrent Sessions — Monday, 9:45 AM - 11:15 AM

1007 Teaching Tips from AAEA Award Winners

Greenway C, Second Level

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.

The goal is to share ideas on what successful teachers are doing in and out of the classroom to facilitate learning. Contributions from audience members, in the form of shared experiences, questions, and observations, are both welcomed and considered a key part of this organized symposium. The session will open with a brief introduction and overview (five minutes) by the moderator. Each of the four presenters will then briefly comment on their successful strategies (15 minutes each) after which the moderator will facilitate a discussion among the presenters and the audience (30 minutes). Presenters are expected to provide the audience with written outlines of their major points.

Organizer: Aaron Johnson, University of Idaho

Presenters: TBD

1008 Agribusiness Data: Where Do We Get It? What Are The Questions We Should Be Answering? And What Big Data Means for Our Research

Greenway B, Second Level

AEM Section Track Session

This track session focuses on the emerging and nontraditional data sources available to agribusiness researchers. Three of the panelists will provide a brief discussion of three sources of data that are not only underutilized in Agribusiness research but also have the potential to contribute significantly to our research endeavors. The final panelist will provide a brief discussion on the pressing issues we need to answer in agribusiness and how these data sources help us accomplish this. The remainder of the session will be open to discussion with the panelists to inquire about the databases and how to use them. It is also our hope that audience members will also share with others databases they are using in their research as well as pressing questions we need to answer in agribusiness.

Organizer: Joshua Detre, Louisiana State University

Moderator: Robert Brent Ross, Michigan State University

Big Data and How We Can Use It in Agribusiness Research

Allan Gray, Purdue University

Utilizing Compustat and CRSP Data in Agribusiness Research

Ani Katchova, University of Kentucky

Data Sources for Food Industry Analysis

Robert Harrison, Louisiana State University

What Are the Questions We Need to Be Answering?

Michael Gunderson, Purdue University

1009 Agricultural Impacts on US National and Regional Accounts

Northstar B, Second Level

Organized Symposium

This purpose of this session is to present and discuss agricultural impacts on the U.S. national and regional accounts pertaining to GDP and personal income as estimated by the Bureau of Economic Analysis in the U.S. Department of Commerce. Emphasis will be on the impacts of recent droughts, crop insurance payments, other federal agricultural programs, agricultural exports, and agricultural prices. Differential impacts of various agricultural factors on the national and regional economies will be highlighted.

Moderator: Sarahelen Thompson, Bureau of Economic Analysis

Panelists: Carrie Litkowski, Bureau of Economic Analysis; Sarahelen Thompson, Bureau of Economic Analysis; James Zavrel, Bureau of Economic Analysis

Concurrent Sessions — Monday, 9:45 AM - 11:15 AM

1010 Leadership, Legacy, and Love – Remembering Dr. Sylvia Lane, her Contribution to AAEA and Impacts on Emerging Scholars

Greenway J, Second Level

Organized Symposium

This symposium will offer an opportunity for scholars to share their own experiences from working with Dr. Lane in their career; share the influence and impact of Sylvia Lane Special Purpose Fund on their career and professional development; and exchange ideas to further develop and enhance mentoring services, financial support, and other services.

Organizer: Kathleen Liang, University of Vermont

Panelists: Mary Ahearn, USDA-Economic Research Service; Jean Kinsey, University of Minnesota; Vicki McCracken, Washington State University

1011 Grain Markets and Price Discovery

Greenway D, Second Level

Selected Paper Presentation

This session discusses corn and grain production and marketing strategies with an emphasis on price discovery. Various econometric methods are used to test price discovery hypothesis as well as a paper on mixed oligopolies in the grain market.

Moderator: Blondel Brinkman, USDA-Animal and Plant Health Inspection Service

Pricing under Uncertainty in Agricultural Grain Markets and the Objectives of Cooperatives: A Mixed Oligopoly Analysis

Ziran Li, Iowa State University; **Hang Qian**, Iowa State University

Causality and Price Discovery in US Corn Markets: An Application of Error Correction Modeling and Directed Acyclic Graphs

Xiaojie Xu, North Carolina State University; **Wally Thurman**, North Carolina State University

Economic Role of Corn Price Discovery in US Corn Cash and Futures Markets: The Role of Cash Market Selection

Xiaojie Xu, North Carolina State University; **Wally Thurman**, North Carolina State University

Economic Role of Corn Production and Marketing Systems in the Midwest US

Sangyeol Jung, Southwest Minnesota State University; **Peter Wu**, University of Arkansas

1012 Agricultural Commodity Price Transmission and Market Linkage

Greenway E, Second Level

Selected Paper Presentation

This session focuses on empirical applications that examine the transmission of prices and market linkage in the US broccoli, timber, beef and lumber markets.

Moderator: Daniel Toro-Gonzalez, Universidad Tecnológica de Bolívar

Examining Spatiotemporal Market Integration in the US Broccoli Market: Implications for the Eastern Broccoli Industry

Xiaoli Fan, Cornell University; **Miguel Gomez**, Cornell University; **Juan Nicolas Hernandez-Aguilera**, Cornell University; **Shady Atallah**, Cornell University

Testing Timber Market Linkages with a STAR Model with Housing Start-Controlled Transitions

Harrison Hood, University of Georgia; **Jeffrey Dorfman**, University of Georgia

Asymmetric Vertical Price Transmission in the US Beef Sector: Differences among Product Cuts and Quality Grades

Prasanna Surathkal, Oklahoma State University; **Chanjin Chung**, Oklahoma State University; **Sungill Han**, Konkuk University

Spatial Price Transmission and Market Linkages in US Framing Lumber Markets

Evan Rogers, North Carolina State University

Concurrent Sessions — Monday, 9:45 AM - 11:15 AM

1013 Economic Impacts of Climate Change

Greenway F, Second Level

Selected Paper Presentation

Papers in this session study the impacts of climate change on economic activity with a specific focus on the agricultural sector. The impacts of climate change on yields, food prices and food security are considered.

Moderator: Mahesh Ramachandran, Cape Cod Commission

Climate Change, Monsoon Dynamics, and Tea Production in China

Rebecca Boehm, Tufts University; **Sean Cash**, Tufts University; **Tim Griffin**, Tufts University; **Bruce Anderson**, Boston University; **Selena Ahmed**, Montana State University; **Colin M. Orians**, Tufts University; **Albert Robbat, Jr.**, Tufts University; **Wenyan Han**, Tea Research Institute, Chinese Academy of Agricultural Sciences; **Richard Stepp**, University of Florida

Raising the Temperature on Food Prices: Climate Change, Food Security, and the Social Cost of Carbon

Peter Howard, New York University - Institute for Policy Integrity; **Thomas Sterner**, University of Gothenburg

The Impacts of Decadal Climate Variability on Crop Yields in Missouri River Basin: A Bayesian Approach

Pei Huang, Texas A&M University; **Bruce McCarl**, Texas A&M University

The Welfare Impacts of a Conservation Easement

James Vercammen, University of British Columbia

1014 Methods in Food and Agricultural Marketing

Greenway G, Second Level

Selected Paper Presentation

Researchers share methods used to better estimate consumer and market behavior.

Moderator: Gayaneh Kyureghian, Korea University

Assessing the Impact of Fresh Vegetable Growers' Risk Aversion Levels and Risk Perception on the Probability of Adopting Market-Input Contracts: A Bayesian Ordered Probit Analysis

Michael Vassalos, Clemson University; **Yingbo Li**, Clemson University

Demand for Organic /Non-Organic Non-alcoholic Beverages in the United States: Application of Semiparametric Estimation of Censored Quadratic Almost Ideal Demand System (C-QUAIDS) with Household-Level Micro Data

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

Visual Attribute Non-Attendance in a Food Choice Experiment: Results from an Eye-tracking Study

Ellen Van Loo, Ghent University; **Rodolfo Nayga**, University of Arkansas; **Han-Seok Seo**, University of Arkansas; **Wim Verbeke**, Ghent University

1015 Biotechnology Economics

Greenway H, Second Level

Selected Paper Presentation

This session analyzes the economics of biotechnology, the management of biotechnology, and the impact of biotechnology.

Moderator: Marin Bozic, University of Minnesota-Twin Cities

More of Less Isn't Less of More: Assessing Environmental Impacts of Genetically Modified Seeds in Brazilian Agriculture

Renato Seixas, University of California, Berkeley; **José Maria Silveira**, State University of Campinas

An Economic Analysis of Nanofood Labeling

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

Don't Farm So Close to Me: Testing Whether Spatial Externalities Contributed to the Emergence of Glyphosate-Resistant Weed Populations

Dallas Wood, North Carolina State University

Concurrent Sessions — Monday, 9:45 AM - 11:15 AM

1016 Dietary Health: Environmental and Individual Effects

Greenway I, Second Level

Selected Paper Presentation

This session presents work on the relationships between dietary health and recession. More specifically the impact of the great recession and job security on food choices are discussed. Also, preferences of pregnant women on dietary supplements are presented and quality and safety characteristics of duck on entrée choice are presented.

Moderators: Annemarie Kuhns, USDA-Economic Research Service; Trenton Smith, University of Otago

Assessing the Impact of the Great Recession on Healthfulness of Food Purchase Choices

Annemarie Kuhns, *USDA-Economic Research Service*; **Richard Volpe, III**, *USDA-Economic Research Service*

Is Job Insecurity Making Australians Fat? Evidence from Panel Data on Perceived Risk of Job Loss

Philippa Currie, *University of Otago*; **Trenton Smith**, *University of Otago*; **Steven Stillman**, *University of Otago*

A Discrete Choice Experiment to Understand Women's Preferences for Nutritionally Enhanced Food and Dietary Supplements During Pregnancy

Lenka Malek, *University of Adelaide*; **Wendy Umberger**, *University of Adelaide*; **Terry Flynn**, *University of South Australia*; **Shao Zhou**, *University of Adelaide*; **Maria Makrides**, *University of Adelaide*

Consumer Preference for Quality and Safety Attributes of Duck in Restaurant Entrees: Is China a Market for the US Duck Industry?

Hong Holly Wang, *Purdue University*; **Rachel Carnegie**, *Purdue University*; **Nicole Widmar**, *Purdue University*; **David Ortega**, *Michigan State University*

1017 The Role of Social Networks in Rural Livelihoods and Food Security: Evidence from Pakistan, India, and Tanzania.

Lakeshore B, Main Level

Selected Paper Presentation

The papers in this session explore the role of social networks in technology adoption, natural resource management, food security, and income diversification.

Moderator: Subbu Kumarappan, The Ohio State University

The Role of Social Network in an Imperfect Market for Agricultural Technology Products: Evidence on Bt Cotton Adoption in Pakistan

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

Role of Social Networks in Diversification of Income Sources in Rural India

Judit Jobny, *University of Alberta*; **Brent Swallow**, *University of Alberta*; **Bruno Wichmann**, *University of Alberta*

Gift Giving, Kinship Network and Household Food Security in Rural Tanzania: The Way they Give

Shaoyan Sun, *University of Alberta*; **Henry An**, *University of Alberta*; **Philippe Andre Marcoul**, *University of Alberta*

The Impact of Water Users' Associations on the Productivity of Irrigated Agriculture in Pakistan

Dawit Mekonnen, *International Food Policy Research Institute*; **Hira Channa**, *Pakistan Strategy Support Program*; **Claudia Ringler**, *International Food Policy Research Institute*

Concurrent Sessions — Monday, 9:45 AM - 11:15 AM

1018 Observable and Unobservable Factors Affecting Quality and Varietal Adoption in Africa and Asia

Lake Superior A, Fifth Level

Selected Paper Presentation

This session investigates the observable and unobservable factors that affect staple crop prices and varietal adoption in both Africa and Asia. Papers in this session address issues that include health, consumer preference and food security.

Moderator: William Burke, Stanford University

Maize Prices and Unobservable Quality: Evidence from Aflatoxin Tests in Kenya

Christine Moser, Western Michigan University; Vivian Hoffmann, University of Maryland; Romina Ordonez, University of Maryland

Dynamics of Modern Wheat Varieties on Farms in Pakistani Punjab: A Duration Analysis

Hina Nazli, Pakistan Strategy Support Program; Melinda Smale, Michigan State University

Impacts of Improved Bean Varieties on Food Security in Uganda and Rwanda

Catherine Larochelle, Virginia Polytechnic Institute and State University; Jeffrey Alwang, Virginia Polytechnic Institute and State University

Procurement of Fresh Produce by Modern Marketing Channels and their Impact on Farming Household - Evidence from India

Rajib Sutradhar, Jawaharlal Nehru University

1019 Broad Topics in International Trade

Lake Superior B, Fifth Level

Selected Paper Presentation

Moderator: Tim Graciano, Ernst & Young

The Impact of the African Growth and Opportunity Act (AGOA): An Empirical Analysis of Sub-Saharan African Agricultural Exports

Addisalem Zenebe, University of Nebraska; E. Wesley Peterson, University of Nebraska; Kassu Wamisho, University of Nebraska

Examining the Trade Adjustment Assistance for Farmers in the U.S.: Role of Information and Incentives in Program Participation

Ya Na Lee, University of Minnesota; Nancy Chau, Cornell University; David Just, Cornell University

Environmental Regulation and Competitiveness: Evidence from Trade and Production in the Manufacturing Sector

Tsung Yu Yang, North Carolina State University

Towards a Global Carbon Dioxide Market: Shadow Pricing CO₂ Across Countries

Flavius Badau, Oregon State University

1020 Shale Gas and Wildfire

Lake Harriet, Fourth Level

Selected Paper Presentation

This session includes two papers addressing wildfire risk management and two papers examining the effects of shale oil and gas development on agricultural and biofuel industries and on local housing markets.

Moderator: Michael Hand, US Forest Service

Spatial Interactions in Wildfire Risk Management Decisions

Gwenlyn Busby, Virginia Polytechnic Institute and State University; Richelle Geiger, Virginia Polytechnic Institute and State University; D. Evan Mercer, Southern Research Station

Attitudes and Private Investment to Mitigate Natural Disaster Risk: Explaining Homeowner Investment in Defensible Space in the Wildland-Urban Interface

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

Shale Oil and Gas Booms: Consequences for Agricultural and Biofuel Industries

Farzad Taberipour, Purdue University; Wallace Tynes, Purdue University

Boomtowns and the Nimbleness of the Housing Market: An Investigation into the Impact of Shale Oil and Gas Drilling on Local Housing Markets

Michael Farren, The Ohio State University

Concurrent Sessions — Monday, 9:45 AM - 11:15 AM

1021 Diverse Topics

Minneapolis, Second Level

Selected Paper Presentation

Papers in this session address a variety of issues in production economics.

Moderator: Raymond Massey, University of Missouri

A Hedonic Model of Corn Seed Price

Jorge Fernandez-Cornejo, USDA-Economic Research Service; **Karen Valle**, USDA-Economic Research Service

Exploring Agricultural Production Systems: Interactions between Crop and Livestock Sectors

Dong Hee Suh, University of Florida; **Charles Moss**, University of Florida

Contracting in the Presence of Insurance: The Case of Bioenergy Crop Production

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

1022 Household Environmental Behavior

LaSalle, Second Level

Selected Paper Presentation

This session presents four papers that use detailed datasets to examine household energy use and recycling. Policy effectiveness in reducing energy use or increasing adoption is analyzed.

Moderator: Kathleen Segerson, University of Connecticut

Solar Photovoltaic Technology Adoption in the United States: An Empirical Investigation of State Policy Effectiveness

Ilya Chernyakhovskiy, University of Massachusetts Amherst; **Christine Lasco Crago**, University of Massachusetts Amherst

An Empirical Analysis of Residential Adoption of Energy Efficiency by Different Housing Types and Occupancy

Kelly Miller, University of Massachusetts Amherst; **Francesca Colantuoni**, University of Massachusetts; **Christine Lasco Crago**, University of Massachusetts Amherst

Crunch the Can or Throw the Bottle? Effect of “Bottle Deposit Laws” and Municipal Recycling Programs

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



Concurrent Sessions — Monday, 1:00 PM - 2:30 PM

1023 Adapting to Climate Change: Water Resources, Extreme Weather Events, and Agricultural Sustainability

Regency, Second Level

Invited Paper

Under climate change, the rising frequency of serious extreme weather events has challenged agriculture production efficiency and productivity growth. The vulnerability of agriculture to climate change will depend, in part, on its ability to adapt to changing production conditions. Designing appropriate adaptation measures to extreme weather events requires rigorous and empirical analysis. Therefore, the goal of this session is to present studies from different perspectives in addressing the impacts of climate change.

Organizers: Paul Heisey, USDA-Economic Research Service; Sun Ling Wang, USDA-Economic Research Service

Moderator: Virgil Eldon Ball, USDA-Economic Research Service

Discussant: C. Richard Shumway, Washington State University

Farmers' Adaptation to Extreme Weather Events and Its Determinants in China

Jikun Huang, *Chinese Academy of Sciences*

Agricultural Production under Climate Change: The Potential Impacts of Shifting Regional Water Balances in the US

Elizabeth Marshall, *USDA-Economic Research Service*

1024 Effective Approaches to Working with Hard-to-Contact Limited Resource Agricultural Producers

Lakeshore B, Main Level

COSBAE and CWAE Section Track Session

Mainline extension programs frequently miss the specific needs of hard-to-contact limited resource and socially disadvantaged agricultural producers. Well-crafted partnerships between public and private organizations involving the government, higher education and the private sector hold the key to effectively addressing the needs of this client group. Four presenters will discuss some of successful and effective strategies used to work with this client group. The presenters represent extension, private industry, and community based organizations. The discussion will center on broad application of these strategies with specific examples from around the United States. Justification: Small, limited resource and socially disadvantaged agricultural producers are valuable members of rural communities. Frequently, it is from this population that new approaches to production and marketing are developed, out of the sheer necessity for survival. Moreover, mainline programs (production, education, marketing, etc.) typically miss the specific needs of these individuals. Frequently, this group of producers or farming community is difficult to contact using traditional extension channels or approaches. Identifying feasible approaches and credible organizations to address their needs is key and pivotal to ensuring the survival of this often neglected clientele.

Organizers: Blondel Brinkman, USDA-Animal and Plant Health Inspection Service; Duncan Chembezi, Alabama A&M University; Laurence Crane, National Crop Insurance Services

Moderator: Blondel Brinkman, USDA-Animal and Plant Health Inspection Service

Discussant: Duncan Chembezi, Alabama A&M University

Panelists: Ntam Baharanyi, Tuskegee University; Laurence Crane, National Crop Insurance Services; Albert Essel, Virginia State University; Ronald Rainey, University of Arkansas

Concurrent Sessions — Monday, 1:00 PM - 2:30 PM

1025 Role of Credit in Economic Performance of Rural Areas

Lakeshore C, Main Level

AFM and CRENET Section Track Session

Credit has been an important lifeline to rural communities. As wealth creation becomes a greater focus of economic development efforts in rural America, issues surrounding the financing of rural asset investments become increasingly important. This session provides a contemporary evaluation of the role of credit and institutions providing credit on the economic performance of rural places. The first paper studies the link between agricultural and rural credit and economic growth in rural counties. The second paper examines the role of the recent recession on the capital adequacy of Farm Credit System wholesale banks. The third paper explores the efficiency of rural financial institutions, specifically credit unions in rural counties.

Organizer: James Fannin, Louisiana State University

Moderator: James Fannin, Louisiana State University

Role of Agricultural and Rural Credit Growth on Economic Performance in Rural Counties

Denis Nadolnyak, Auburn University; **Valentina Hartarska**, Auburn University; **Xuan Shen**, Auburn University

Farm Credit: Reliable Credit for Rural America?

Jeremy D'Antoni, USDA-Economic Research Service

Notions of Efficiency with Rural Credit Unions

Steven Deller, University of Wisconsin; **Jean-Paul Chavas**, University of Wisconsin

1026 Food Quality and Trade

Lake Superior B, Fifth Level

FAMPS and International Section Track Session

This session focuses on three aspects of the connection between food quality and trade: (1) Luisa Menapace and GianCarlo Moschini provide an overview of key institutional aspects of Geographical Indications (GIs), including differing national policies and international harmonization efforts (TRIPS agreement), with an emphasis on their role in the provision of quality in agri-food markets. The implications for international trade in GI products that can be derived from the existing theoretical literature on the economics of GIs will also be discussed. Data on trade flows of GI products will then be used to illustrate some of potential implications of the ongoing debate on alternative approaches to the international protection of GI rights. (2) Alessandro Olper and Daniele Curzi review the role of product quality in recent firm heterogeneity models, followed by a discussion of methods to infer product quality from trade data, and how to analyze the effects of trade liberalization in the origin country, and/or the diffusion of voluntary food standards in the destination market, on the rate of quality upgrading in food export markets. (3) Ian Sheldon and Brian Roe extend existing work on credence goods and trade, to include a “diagnosis” stage whereby ill-informed consumers rely on a third party to certify that a food product has beneficial characteristics, e.g., shade-grown coffee is good for the environment. This compares to existing models of credence goods which focus only on a “treatment” stage, i.e., the coffee is simply certified as having been shade-grown. Adding the diagnosis stage allows for “deep capture” by food producers who attempt to influence regulatory outcomes on what quality claims can be made about food products, which has implications for the analysis of equilibrium food quality as well as trade flows.

Organizer: Ian Sheldon, The Ohio State University

Moderator: Jill McCluskey, Washington State University

Geographical Indications and International Trade in Agri-food Products

Luisa Menapace, Technische Universität München; **GianCarlo Moschini**, Iowa State University

Firms, Trade and Food Quality Upgrading

Daniele Curzi, University of Milan; **Alessandro Olper**, University of Milano

Certification, Food Quality Standards and Trade

Ian Sheldon, The Ohio State University; **Brian Roe**, The Ohio State University

Concurrent Sessions — Monday, 1:00 PM - 2:30 PM

1027 Feeding the Poor in America

Lakeshore A, Main Level

FSN and Senior Section Track Session

Given changes for food safety net programs in the new Farm Bill, innovative food access programs must be developed or enhanced. This session outlines the current state of food security policy in the U.S. and presents several ways in which the not-for-profit and private sectors are stepping up their initiatives to decrease food insecurity. The session concludes with a discussion of areas of research that can provide evidence as to improving the efficacy of, and exploration of new food delivery channels that can lead to decreased food security and improved nutrition while improving the economics conditions of communities.

Organizer: Jane Kolodinsky, University of Vermont

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

Discussant: Jean Kinsey, University of Minnesota

The Current State of the Food Security Safety Net

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

NGO Sector Innovations

Rob Zeaske, *Second Harvest*

Private Sector Innovations

Sarah Geisert, *General Mills, Inc.*

Current Evidence and Future Research Needs for Community Food Security and Health

Jane Kolodinsky, *University of Vermont*

1028 Behavioral Finance: Insurance, Loans, and Timing of Home Ownership

Greenway A, Second Level

IBES Section Track Session

This session aims to present and discuss the use of behavioral and experimental economics to empirically test and model individual decision-making involving risk. Topics cover insurance demand with choice-set-dependent preferences; relative efficiency of costly incentives and almost costless information in loan decisions; and the timing of homeownership as a function of credit constraints and future price expectations. Discussion will be focused on the power of experiment in establishing reliable causal inference, the strategies to distinguishing behavioral patterns from competing explanations, and policy implications that can inspire more cost effective program designs.

Organizer: Jessica Cao, University of Guelph

Moderator: Travis Lybbert, University of California, Davis

Discussant: Christopher Barrett, Cornell University

Optimal Insurance Contract Design When Consumers Exhibit Choice-Set-Dependent Preferences

Jing Cai, *University of Michigan*

Costly Incentives and Costless Information in Loan Decision: A Framed Field Experiment on China's Responsibility System for Rural Credit

Jessica Cao, *University of Guelph*; **Calum Turvey**, *Cornell University*

Rushing into American Dream? House Prices, Timing of Homeownership, and Adjustment of Consumer Credit

Xing Huang, *Michigan State University*; **Sumit Agarwal**, *National University of Singapore*; **Luoia Hu**, *Federal Reserve Bank of Chicago*

Concurrent Sessions — Monday, 1:00 PM - 2:30 PM

1029 Applications of Hierarchical Regression Models in Development Economics

Lake Superior A, Fifth Level

Econometrics and International Section Track Session

Although used widely outside of economics, hierarchical or mixed models have received relatively little attention by agricultural and applied economists. As research continues to take advantage of datasets constructed and assembled from multiple sources, utilizing data observed at different spatial or organizational scales, the scope for hierarchical estimation techniques expands. This is especially true in the context of development economics, where household data are increasing merged with institutional and geospatial data to draw statistical inferences about the importance of the economic, policy and physical environments in which economic decisions are made. This session focuses attention on the design and application of mixed model regression techniques. We provide a broad overview of the advantages and uses of hierarchical models, and provide examples from developing country contexts that include the incorporation of geospatial and institutional levels of analysis in the context of household- and individual-level analysis. We expect the topic to attract a wide audience given the focus on new methods and a range of innovative applications. Note that the session includes only three presentations in order to maximize discussion among those in attendance.

Organizer: Gerald Shively, Purdue University

Hierarchical Models: Some History, A Primer and An Application

Garth Holloway, *University of Reading*

Crop Portfolio Choice Under Risk: Discrete-continuous Hierarchical Analysis of Household Panel Data in West Africa

Jeremy Foltz, *University of Wisconsin*; **Daniel Phaneuf**, *North Carolina State University*

A Global Comparison of Economic Development and Natural Resource Use: Evidence from Hierarchical Regressions

Gerald Shively, *Purdue University*

1030 New Pathway and Scenario Concepts for Assessment of Climate Impacts and Adaptation at Regional and Global Scales

Greenway B, Second Level

ENV Section Track Session

The global change research community has recognized that new pathway and scenario concepts are needed to implement impact and vulnerability assessment that is logically consistent across local, regional and global scales (Moss et al. Science 2010). For global climate models, Representative Concentration Pathways (RCPs) have been developed; for impact and vulnerability assessment, new socio-economic pathway and scenario concepts have also been developed (Kriegler et al. 2012; van Vuuren et al. 2012, Global Env Change), with leadership from the Integrated Assessment Modeling Consortium (IAMC). One of the goals of these new developments is for them to be linked to sector-specific and regional pathways and scenarios. A major effort in this direction is the development of global and regional Representative Agricultural Pathways (RAPs), with leadership from the Agricultural Model Inter-comparison and Improvement Project (AgMIP). This session will provide an overview of the RAPs concept and methods for their development within the integrated assessment framework developed by AgMIP (presentation 1), and then illustrate their development and use by the global agricultural modeling community (presentation 2) and by a regional study of climate change in Pacific NW wheat systems in the United States (presentation 3). Applications using this methodology will also be presented in an International Section Track Session on “A New Trans-Disciplinary Approach to Regional Integrated Assessment of Climate Impact and Adaptation in Agricultural Systems,” based on studies being carried out in Africa and South Asia.

Organizer: John Antle, Oregon State University

Moderator: John Antle, Oregon State University

Representative Agricultural Pathways: A New Trans-Disciplinary Approach to Integrated Assessment of Climate Impacts and Adaptation
Roberto Valdivia, *Oregon State University*; **John Antle**, *Oregon State University*; **Lieven Claessens**, *ICRISAT*; **Gerald Nelson**, *University of Illinois at Urbana-Champaign*; **Cynthia Rosezweig**, *NASA*; **Alex Ruane**, *NASA*; **Joost Vervoort**, *Oxford University*

Global RAPs -- Framing Agricultural Futures at Different Scales

Hermann Lotze-Campen, *PIK*; **Martin Von Lampe**, *OECD*; **Hans Van Meijl**, *LEI-Wageningen University*; **Keith Weibe**, *International Food Policy Research Institute*; **Dominique Van Der Mensbrugghe**, *FAO of the United Nations*

Representative Agricultural Pathways and Climate Impact Assessment for Pacific Northwest Agricultural Systems

Jianhong Mu, *Oregon State University*; **John Antle**, *Oregon State University*; **Hongliang Zhang**, *Oregon State University*; **Susan Capalbo**, *Oregon State University*; **Sanford Eigenbrode**, *University of Idaho*; **Chad Kruger**, *Washington State University*; **Claudio Stockle**, *Washington State University*; **J.D. Wulfhirst**, *University of Idaho*

Concurrent Sessions — Monday, 1:00 PM - 2:30 PM

1031 Hydraulic Fracturing of Tight Formations to Produce Oil and Gas Creates New Competition for Resources: Balancing the Interests of Production Companies with Those of Agricultural and Other Resource Users

Mirage, Second Level

Extension Section Track Session

Hydraulic fracturing is transforming oil and gas production, but raises concerns among agricultural interests and others that also use surface and groundwater resources, as well as the land surface. This session explores balancing interests of landowners, water users, oil and gas companies, and public interest in resource protection and conservation.

Organizer: Theodore Feitshans, North Carolina State University

Moderator: L. Leon Geyer, Virginia Polytechnic Institute and State University

Water Quantity: Competition and Complementarity - Balancing Water Needs of Agriculture with Needs of Gas and Oil Production
Jesse Richardson, West Virginia University

Water Quality: Protecting the Quality of Water Needed for Agriculture in the Context of Gas and Oil Production
L. Leon Geyer, Virginia Polytechnic Institute and State University

Oil and Gas Lease/Surface Use Agreement Considerations
Shannon Ferrell, Oklahoma State University

Ownership of Oil and Gas Rights
Theodore Feitshans, North Carolina State University

1032 TAA for Farmers Program: Linking Extension Education Technologies with Economic Stimulus

Northstar A, Second Level

Organized Symposium

TAA for Farmers is a national multifaceted USDA program that used Extension to deliver technical and financial assistance to 10,983 agricultural producers and fishermen. This symposium presents the innovative application of Extension education technologies, financial assistance and how Extension delivered \$83 million in direct economic stimulus.

Organizers: Shannon Neibergs, Washington State University; Ronald Rainey, University of Arkansas

Moderator: Robert Craven, University of Minnesota

The Future of Extension Program Delivery: The Case for Online Training
Curtis Mahnken, University of Minnesota

The Effect of Cash Incentives on Extension Program Outcomes
Nathan Kemper, University of Arkansas

Beyond Evaluation as Usual: Evaluating TAA Program Effectiveness and Outcomes with a Broadened Range of Methods and Progressive Measures
Danna Moore, Washington State University

1033 New Data Opportunities and Data Challenges for Agricultural Economics Research

Northstar B, Second Level

Organized Symposium

Changes in the “data environment” and data availability can create challenges for Agricultural Economists and can limit the types of questions that economists can explore empirically. Yet, new data techniques and data possibilities are continually evolving, creating opportunities for new lines of inquiry. The presentations and discussion in this session highlight data opportunities and new data techniques and possibilities.

Moderator: James Michael Harris, USDA-Economic Research Service

Panelists: Kathleen Farrin, USDA-Economic Research Service; Barrett Kirwan, University of Illinois at Urbana-Champaign; Ashok Mishra, Louisiana State University; Jeremy Weber, USDA-Economic Research Service

Concurrent Sessions — Monday, 1:00 PM - 2:30 PM

1034 Information and Behavior

Greenway C, Second Level

AERE Section Organized Symposium

Information and its assimilation are critical for economic decision making. This session examines behavioral responses in a range of environmental contexts.

Economics of a Light Bulb: Experimental Evidence on CFLs and End-user Behavior

Robyn Meeks, *University of Michigan*; **Eliana Carranza**, *The World Bank*

Shock or Salience? A Natural Experiment in Billing Frequency

Casey Wichman, *University of Maryland*

Forecasts and Adaptation

Jeffrey Shrader, Jr., *University of California, San Diego*

Loss Aversion and Public Goods: A Field Experiment in Alternative Commuting

Laura Grant, *University of Wisconsin*

1035 Empirical Methods in Agricultural Finance

Greenway D, Second Level

Selected Paper Presentation

This session includes papers that advance the empirical methods in agricultural finance.

Moderator: James Williamson, USDA-Economic Research Service

A Relative Information Approach to Modeling Dynamics of US Farmland Values

Olufemi Bolarinwa, *University of Florida*; **Gulcan Onel**, *University of Florida*; **Jaclyn Kropp**, *University of Florida*; **Charles Moss**, *University of Florida*

A Split-Population Duration Approach to Understanding Agricultural Banking Survival Strategies During the Late 2000s Recession

Xiaofei Li, *University of Georgia*; **Cesar Escalante**, *University of Georgia*; **James Epperson**, *University of Georgia*

The Impact of Crop Price on Nitrous Oxide Emissions: A Dynamic Programming Approach

Ruohong Cai, *Princeton University*; **Xin Zhang**, *Princeton University*; **David Kanter**, *Princeton University*

Analysis of Supply Response and Price Risk on Rice Production in Nigeria

Opeyemi Ayinde, *University of Ilorin*

1036 Using Demand Analyses to Inform Public Health Policy

LaSalle, Second Level

Selected Paper Presentation

There are unique opportunities for agricultural economists to apply various consumer demand models to study public health topics. This session brings together four papers that aim to shed new light on important food and tobacco policies using demand analysis tools.

Moderator: Janani Rajbhandari Thapa, *Texas Tech University*

US Demand For Tobacco Products in a System Framework

Yuqing Zheng, *RTI International*; **Chen Zhen**, *Research Triangle Institute*; **James Nonnemaker**, *RTI International*; **Daniel Dench**, *RTI International*

Store-Differentiated Demand and Retail Food Availability

Gayaneh Kyureghian, *Korea University*; **Azzeddine Azzam**, *University of Nebraska*; **Rodolfo Nayga**, *University of Arkansas*

Dynamics of Advertising and Demand for Fluid Milk in the United States: An Incomplete Demand Approach

Rejeana Gvillo, *Texas A&M University*; **Senarath Dharmasena**, *Texas A&M University*; **Oral Capps, Jr.**, *Texas A&M University*

Information Cost and Consumer Choices of Healthy Foods

Xiaouu Liu, *Renmin University of China*; **Chen Zhu**, *China Agricultural University*; **Rigoberto Lopez**, *University of Connecticut*

Concurrent Sessions — Monday, 1:00 PM - 2:30 PM

1037 Adaptation to Climate Change

Greenway F, Second Level

Selected Paper Presentation

The papers in this session consider land use changes and other adaptations to changes in weather and water availability. The costs of adaptation choices are measured, and climate damage functions are assessed.

Moderator: John Stoll, University of Wisconsin, Green Bay

Loaded DICE: Refining the Meta-analysis Approach to Calibrating Climate Damage Functions

Peter Howard, *New York University*; **Thomas Sterner**, *University of Gothenburg*

Accounting for Land Use Adaptation to Climate Change Impacts on US Agriculture

Shun Chonabayashi, *Cornell University*

Farmer Adaptation to Heterogeneous Canal Water Supply

Agha Akram, *Yale University*

Evaluating the Cost-Effectiveness of Flood Mitigation Policies

Qin Fan, *California State University*; **Meri Davlasheridze**, *Texas A&M University*

1038 Consumer Preferences for Labels and Certifications

Greenway G, Second Level

Selected Paper Presentation

This session will highlight applied research on consumer preferences for a variety of labels that indicate production practices or supply chain decisions that have outcomes important to consumers.

Moderator: Sapna Kaul, University of Utah

Altruism and Preference for Social Certification Schemes

Leslie Verteramo Chiu, *Cornell University*

Understanding Producers' Motives to Adopt Sustainable Practices: The Role of Expected Rewards, Risk Perception, and Risk Tolerance

Dianne Hofenk, *Wageningen University*; **Joost Pennings**, *Maastricht University*; **Andres Trujillo-Barrera**, *Wageningen University*

Consumer Preferences, Ecolabels, and Effects of Negative Environmental Information

Xianwen Chen, *Norwegian University of Life Sciences*; **Frøde Alfnes**, *Norwegian University of Life Sciences*; **Kyrre Rickertsen**, *Norwegian University of Life Sciences*

Humane, Organic, or Grass-fed: Which Production Methods Matter Most to Consumers?

Kathleen Brooks, *University of Nebraska-Lincoln*; **Brenna Ellison**, *University of Illinois at Urbana-Champaign*

1039 Trade

Greenway H, Second Level

Selected Paper Presentation

Trade issues, policies, and economic effects.

Moderator: Bradley Rickard, Cornell University

Technology, Ecology and Agricultural Trade

Kari Heerman, *USDA-Economic Research Service*

A Political-Economy Analysis of the GMO Trade Agreement

Qianqian Shao, *Technische Universität München*; **Justus Wesseler**, *Technische Universität München*

Export Restrictions and Price Volatility Development in the Argentinean Wheat Market

Kateryna Schroeder, *University of Missouri*; **Estefania Puricelli**,

Trade Liberalization in the Presence of Domestic Regulations: Likely Impacts of the TTIP on Wine Markets

Bradley Rickard, *Cornell University*; **Olivier Gergaud**, *KEDGE, Bordeaux Business School*; **Wenjing Hu**, *Colorado State University*

Concurrent Sessions — Monday, 1:00 PM - 2:30 PM

1040 Topics in Water Resources and Water Use

Greenway I, Second Level

Selected Paper Presentation

Water resource availability and the efficient use of water will become increasingly important in the future. This set of studies extends from the optimal design of dams to farmer irrigation and water use by households.

Moderator: Nikos Ziorgiannis, Indiana University Bloomington

The Economics of Water Project Capacities and Conservation Technologies

Yang Xie, *University of California, Berkeley*; **David Zilberman**, *University of California, Berkeley*

Adapting to Monsoon Variability in India: The Case for Irrigation

Esha Zaveri, *The Pennsylvania State University*; **Karen Fisher-Vanden**, *The Pennsylvania State University*; **Douglas Wrenn**, *The Pennsylvania State University*; **Robert Nicholas**, *The Pennsylvania State University*

Modeling Effects of Multiple Conservation Policy Instruments and Exogenous Factors on Urban Residential Water Demand through Household Heterogeneity

Elena Tchigriaeva, *University of Nevada, Reno*; **Corey Lott**, *University of California, Santa Barbara*; **Kimberly Rollins**, *University of Nevada, Reno*

Household Adoption of Water Conservation and Resilience Under Drought: The Case of Oklahoma City

Patrick Kanza, *Oklahoma State University*; **Tracy A. Boyer**, *Oklahoma State University*; **Justin Moss**, *Oklahoma State University*

1041 Agriculture in a Changing Climate: Evidence from Latin America and Sub-Saharan Africa

Greenway J, Second Level

Selected Paper Presentation

This session considers the dynamic relationship between agricultural productivity and climate. Papers focus on changing agricultural productivity in Brazil, examine the effect of climate change on smallholder land use in Zambia, analyze the effect of climate fluctuations on rural labor markets in Mexico, and estimate the evolution of total factor productivity over in Sub-Saharan Africa.

Moderator: Channing Arndt, University of Copenhagen

The Effects of Climate Changes on Brazilian Agricultural Production – A Multisector Growth Model Analysis

Humberto Spolador, *University of Sao Paulo*; **Rodney Smith**, *University of Minnesota*

Climate Change and Crop Choice in Zambia: A Mathematical Programming Approach

Ayala Wineman, *Michigan State University*; **Eric Crawford**, *Michigan State University*

Rural Mexican Labor Market Responses to Weather Shocks

Katrina Jessoe, *University of California, Davis*; **Dale Manning**, *Colorado State University*; **J. Edward Taylor**, *University of California, Davis*

Agricultural Productivity and Climate Change in Sub-Saharan Africa: Water Scarcity, Moisture, and Temperature Effects

Aziza Kibonge, *University of Nebraska*

1042 The Increasing Role of Biofuels and Clean Technology in International Trade

Greenway E, Second Level

Selected Paper Presentation

The rise of new and alternative technology can have important implications for agricultural production and trade. Papers in this session explore aspects of alternative fuels and clean technology as well as their impact on international trade.

Moderator: Jeffrey Luckstead, University of Arkansas

The Nexus of Trade and Environmental Policy for Biofuels

Getachew Nigatu, *USDA-Economic Research Service*; **Jayson Beckman**, *USDA-Economic Research Service*; **Joseph Cooper**, *USDA-Economic Research Service*

Impacts of US Biofuel Mandate Waiver on World Ethanol and Biodiesel Market

Deepayan Deb Nath, *University of Missouri*; **Julian Binfield**, *University of Missouri*; **Jarrett Whistance**, *University of Missouri*

Does the US Have Market Power in Importing Ethanol from Brazil?

Sunil Dhoubhadel, *University of Nebraska*; **Azzeddine Azzam**, *University of Nebraska*; **Matthew Stockton**, *University of Nebraska*

Concurrent Sessions — Monday, 1:00 PM - 2:30 PM

1043 Fisheries Management and Modeling

Lake Harriet, Fourth Level

Selected Paper Presentation

This session examines topics related to fisheries management and modeling, including a study introducing a methodological innovation for estimating fisheries production functions, two bioeconomic studies examining fisheries management questions, and an empirical study estimating the impacts of disease management regulations on recreational fishing value.

Moderator: Jad Ziolkowska, University of Texas at Austin

Measurement Error in the Generalized Schaefer Production Model

Christopher Burns, *University of Massachusetts Amherst*

Optimal Management of a Multi-Species Fishery with Bycatch

Richard Melstrom, Jr., *Salisbury University*

Are Two Rents Better than None? When Monopoly Harvester Co-ops are Preferred to a Rent Dissipated Resource Sector

Hirotsugu Uchida, *University of Rhode Island*

A Natural Experiment Identifying Disease Regulation Effects on Recreational Fishing

Jessica Klatt, *Michigan State University*; **Frank Lupi**, *Michigan State University*; **Richard Melstrom, Jr.**, *Salisbury University*

1044 Agricultural Production Efficiency

Minnehaha, Second Level

Selected Paper Presentation

In this session a diverse set of applied papers are presented. Topics include the introduction of new crops, biotechnology, and migration on agricultural production efficiency.

Moderator: Alicia Rosburg, University of Northern Iowa

Stochastic Frontier Yield Function Analysis to Predict Returns to a New Crop: An Example of Camelina Sativa Yields Conditional on Local Factor Levels

Sofia Kotsiri, *North Carolina State University*; **Kelly Zering**, *North Carolina State University*; **Michelle Mayer**, *North Carolina State University*

Farm Heterogeneity in Biotechnology Adoption with Risk and Learning: An Application to US Corn

Do-il Yoo, *Chungbuk National University*

Migration, Local Off-farm Employment and Agricultural Production Efficiency: Evidence from China

Hui Wang, *Michigan State University*; **Jin Yang**, *Zhejiang University*; **Songqing Jin**, *Michigan State University*; **Kevin Chen**, *IFPRI-Beijing*; **Jeffrey Riedinger**, *University of Washington*; **Chao Peng**, *China Research Center for Rural Economy*

A Meta-regression Analysis of Frontier Efficiency Estimates from Africa

Kolawole Ogundari, *Kyushu University Fukuoka Japan*

Concurrent Sessions — Monday, 2:45 PM - 4:15 PM

1045 Methodological Developments and Challenges in Choice Experiments

Regency, Second Level

Invited Paper

This session is designed to highlight developments in state of the art methodological aspects in choice experiment (CE) studies. This session will cover three methodological issues related to CE: (1) position bias in CE, (2) randomization in CE multi-products valuation, and (3) analytical approaches to account for attribute non-attendance (ANA). Given the burgeoning reliance upon CEs across the many subfields of agricultural, environmental and food economics to elicit preferences and WTP values for both public and private goods, we hope to appeal to a broader cross-section of meeting attendees by proposing this topical session.

Organizers: Vincenzina Caputo, Korea University; Ellen Van Loo, Ghent University

Moderator: Rodolfo Nayga, University of Arkansas

Discussant: Riccardo Scarpa, University of Waikato

Position Bias in Best-worst Scaling Surveys: A Case Study on Trust in Institutions

Danny Campbell, *University of Stirling*; **Seda Erdem**, *University of Stirling*

Using a Randomized Choice Experiment to Test Willingness-to-Pay for Multiple Differentiated Products

Madiha Zaffou, *University of Connecticut*; **Benjamin Campbell**, *University of Connecticut*; **Jennifer Martin**, *University of Connecticut*

Using Experiments to Address Attribute Non-attendance in Consumer Food Choices

Vincenzina Caputo, *Korea University*; **Ellen Van Loo**, *Ghent University*; **Riccardo Scarpa**, *University of Waikato*; **Rodolfo Nayga**, *University of Arkansas*; **Wim Verbeke**, *Ghent University*

1046 Agricultural and Applied Economics Priorities for Government Statistics

Lakeshore B, Main Level

Econometrics and Senior Section Track Session

The output of federal statistical agencies – USDA, the Census, Bureau of Labor Statistics, and National Center for Health Statistics (to name a few) -- are input to commodity market modulation, agribusiness and other market decision making, and research performed by AAEA members and other applied economists. Statistical agencies are going through prioritization processes to identify programs that would be discontinued if they receive funding below current, real funding levels. This symposium provides a platform for the collection of AAEA member priorities as input to agencies' upcoming, really tough program decisions. Four prominent AAEA data users present priorities for their field. Abundant audience discussion is encouraged and a voting "slate" will be distributed for reaction.

Organizer: Katherine Smith, Council of Professional Associations on Federal Statistics

Moderator: Katherine Smith, Council of Professional Associations on Federal Statistics

Agribusiness and Market Research Priorities for Federal Data and Information

Scott Irwin, *University of Illinois at Urbana-Champaign*

Economic Development Priorities for Federal Statistical Data

Stephan Goetz, *The Pennsylvania State University*

Environmental Economics Priorities for Federal Statistical Data

Timothy Haab, *The Ohio State University*

Strategies for Identifying AAEA Priorities

Jayson Lusk, *Oklahoma State University*

Concurrent Sessions — Monday, 2:45 PM - 4:15 PM

1047 A Reflection on the Agricultural/Applied Economics Profession through the Lens of Our Veterans

Lakeshore C, Main Level

COSBAE and CWAE Section Track Session

The Committee on Women in Agricultural Economics (CWAE) was formed in 1981 with the purpose of promoting the welfare of women and underrepresented groups in agricultural and applied economics by representing their interests and engaging in activities that encourage their professional advancement through networking and leadership opportunities. Throughout the years, CWAE has addressed critical issues faced by the collective group. In its 2000 annual report, CWAE found that women continue to enter the academic profession though the agricultural research areas remain predominantly male; women generally accounted for less than half of students enrolled in the doctoral programs in agricultural business and management; salaries of recent PhD and MS women were almost identical with those of men; and women agricultural economists have successfully moved into senior positions in government. It's been 14 years since this report and a little over three decades since the inception of CWAE. It is time to revisit the issue and reassess the role of CWAE and its accomplishments to date. A lot of gains have been made, but a lot more needs to be done to empower women and other underrepresented professionals. Does the gap between minority groups and their male counterparts continue to narrow?

Organizers: Blondel Brinkman, USDA-Animal and Plant Health Inspection Service; Duncan Chembezi, Alabama A&M University

Moderator: Blondel Brinkman, USDA-Animal and Plant Health Inspection Service

Discussant: Dawn Thilmany McFadden, Colorado State University

Presenters: Corinne Alexander, Purdue University; Mariah Ehmke, University of Wyoming; Cheryl Wachenheim, North Dakota State University

1048 Crop Insurance and Implementation of the Farm Bill

Mirage, Second Level

Extension Section Track Session

Crop insurance is now the primary component of the farm safety net. It is the one risk management tool that is slated for expansion in the new Farm Bill, and is widely supported by growers, farm and commodity organizations, and policymakers. This discussion would provide industry, government, and academic perspectives on how the Farm Bill's crop insurance and related farm safety net changes will be implemented and their impacts.

Organizer: Laurence Crane, National Crop Insurance Services

Moderator: Keith Collins, National Crop Insurance Services

Presenters: Dwight Lanclos, USDA-Risk Management Agency; Joe Outlaw, Texas A&M University; Thomas Zacharias, National Crop Insurance Services

Concurrent Sessions — Monday, 2:45 PM - 4:15 PM

1049 The Development of the US Brewing Industry

Greenway A, Second Level

AEM and FAMPS Section Track Session

Over the past 20 years, the US brewing industry has experienced dramatic changes. While macro breweries continue to consolidate and expand, they have sought new ways to compete with both price and non-price marketing. In addition, the Craft beer segment has experienced a tremendous resurgence in popularity, resulting in a proliferation of the industry in terms of scale and scope. This session examines marketing in the US brewing industry. From a consumer perspective, the session explores both price and non-price marketing and its influence on consumer demand. With regards to the firm, the session analyzes how various market characteristics affect firm production and pricing behavior.

Organizer: Joshua Berning, University of Georgia

Moderator: Bradley Rickard, Cornell University

Quality Competition in the Craft Beer Industry: An Empirical Analysis of New England

Joshua Berning, *University of Georgia*; **Michael McCullough**, *California Polytechnic State University*

Retail Beer Prices Across Channels and Locations: A Hedonic Analysis

Joshua Berning, *University of Georgia*; **Alessandro Bonanno**, *Wageningen University*; **Michael McCullough**, *California Polytechnic State University*

That's Not My Style: US Beer Preferences in the Expanded Market

Gnel Gabrielyan, *Washington State University*; **Jill McCluskey**, *Washington State University*; **Thomas Marsh**, *Washington State University*; **Carolyn Ross**, *Washington State University*

Product Line Extension and Market Power in the Beer Industry

Yizao Liu, *University of Connecticut*; **Omer Hoke**, *University of Connecticut*

1050 Classroom Experiments, Games, and Simulations: Examples, Resources, and Assessment

Greenway B, Second Level

IBES and TLC Section Track Session

This session highlights classroom experiments, simulations, and games originally authored and developed, or adapted from existing sources, for use in an agricultural, environmental, or general microeconomics undergraduate classroom. The presenters will suggest ways to incorporate experiments for a variety of economic contexts to deepen student engagement with the process of scientific inquiry in the social sciences. The presenters will elaborate on methods for achieving better student outcomes through organization, participation and assessment.

Organizer: Hillary Sackett, Westfield State University

Encouraging Scientific Inquiry through Experimental Lab Reports: Assessing Student Outcomes with Classroom Experiments

Hillary Sackett, *Westfield State University*

Classroom Experiments with Money on the Line: Experience from a Game Theory Class

Matthew Rousu, *Susquehanna University*

Teachable Moments and Lessons Learned in Using Simulations and Games in Agribusiness Marketing and Management

Forrest Stegelin, *University of Georgia*

Do Students Learn from Classroom Economic Experiments?

Subbu Kumarappan, *The Ohio State University*

Concurrent Sessions — Monday, 2:45 PM - 4:15 PM

1051 Climate Change Adaptation and Resilience

Greenway C, Second Level

ENV Section Track Session

Economists have increasingly been called upon to estimate the economic impacts of climate change in order to identify management actions or investments to adapt existing systems to climate variability and change. Part of this includes developing policies and management guidelines that result in human-environmental systems that are resilient to extreme weather events and acceptable to economic decision-makers. The papers in this session utilize econometrics, novel data sets and integrated biophysical simulation and economic optimization to investigate shoreline management, the role of climate and water rights in adaptations already undertaken by farmers in different regions of the US, and how maize-based cropping systems in different Corn Belt states can most profitably adapt to projected climate change.

Organizer: Ben Gramig, Purdue University

Moderator: Scott Swinton, Michigan State University

Coupled Coastal Economic Modeling for Climate Adaptation and the Nourishment Dilemma

Sathya Gopalakrishnan, *The Ohio State University*; Dylan McNamara, *University of North Carolina, Wilmington*; Martin Smith, *Duke University*; Brad Murray, *Duke University*

Adaptation to Climate Change: Evidence from US Agriculture

Kyle Emerick, *University of California, Berkeley*; Marshall Burke, *University of California, Berkeley*

Prior Appropriation Water Rights and Climate Change Adaptation: Using Remote Sensing Data to Evaluate Long-Run Changes in Land and Water Use in the Eastern Snake River Plain

Kelly Cobourn, *Virginia Polytechnic Institute and State University*; Alejandro Flores, *Boise State University*; Blaine Dawson, *Boise State University*

Profit Maximizing Adaptations to Projected Climate Change in the US Corn Belt

Ben Gramig, *Purdue University*; E.M. Sajeev, *Purdue University*; Paul Preckel, *Purdue University*; Otto Doering, III, *Purdue University*

1052 Frontier Topics in International Agricultural Development

Greenway D, Second Level

International Section Track Session

This section will feature four papers at the research frontier in the microeconomics of international agricultural development by established researchers in that area. As with almost all cutting-edge research in development economics, each paper relies on an experimental methodology to identify a causal relationship that is of interest to policy makers. As such, the papers in this session not only contribute to our understanding of persistent underdevelopment, but several of them also include a methodological innovation.

Organizer: Marc Bellemare, University of Minnesota

Moderator: Paul Glewwe, University of Minnesota

Discussant: Paul Glewwe, University of Minnesota

Health Information, Treatment, and Worker Productivity: Experimental Evidence from Malaria Testing and Treatment among Nigerian Sugarcane Cutters

Andrew Dillon, *Michigan State University*; Jed Friedman, *The World Bank*; Pieter Serneels, *University of East Anglia*

Experimental Markets for Ready-to-Use Supplementary Foods (RUSFs) in Burkina Faso: Implications for Private and Public Sector Involvement in RUSF Supply Chains

Travis Lybbert, *University of California, Davis*; Stephen Vosti, *University of California, Davis*

Index-Based Livestock Insurance and Cash Transfers: A Comparative Analysis from Northern Kenya

Nathaniel Jensen, *Cornell University*; Christopher Barrett, *Cornell University*; Andrew Mude, *International Livestock Research Institute*

Adaptation to Climate Change: Experimental Evidence from the Ethiopian Rift

Marc Bellemare, *University of Minnesota*; Marc Jeuland, *Duke University*; Christopher Paul, *Duke University*; Erika Weinthal, *Duke University*

Concurrent Sessions — Monday, 2:45 PM - 4:15 PM

1053 The National Household Food Acquisition and Purchase Survey: Early Findings and Future Research Directions *Northstar A, Second Level*

Organized Symposium

The National Food Acquisition and Purchase Survey (FoodAPS) is the first nationally representative survey of American households to collect unique and comprehensive data about household food purchases and acquisitions. This symposium has three main objectives: 1) Summarize food acquisition patterns among US households and across subgroups of particular interest, 2) Present geographical data collection and analysis that complements the survey and expands the research possibilities, and 3) Provide a format to exchange information about the intricacies of working with the data.

Organizers: Jessica Todd, USDA-Economic Research Service; Michele Ver Ploeg, USDA-Economic Research Service

Moderator: Chen Zhen, Research Triangle Institute

Discussants: Timothy Beatty, University of Minnesota; Julie Caswell, University of Massachusetts Amherst

Panelists: Mark Denbaly, USDA-Economic Research Service; Christian Gregory, USDA-Economic Research Service; Craig Gundersen, University of Illinois at Urbana-Champaign; Joseph Llobrera, Tufts University; Jessica Todd, USDA-Economic Research Service

1054 What is the Value of Agricultural Economics Research - New Data and Analysis *Northstar B, Second Level*

Organized Symposium

The federal budget allocates \$2.3 billion for the USDA to support R&D. What does that buy? What are the results? This symposium describes some preliminary results of a new USDA funded project that uses food safety as an example of how to answer these questions

Moderator: Kaye Husbands Fealing, University of Minnesota

Panelists: John King, USDA-Economic Research Service; Evgeny Kkochikhin, American Institutes for Research; Robbin Shoemaker, National Institute of Food and Agriculture

1055 Prices, Marketing, and Risk in Agricultural Finance *Greenway E, Second Level*

Selected Paper Presentation

This session includes papers on price, marketing, and risk in agricultural markets.

Moderator: Jon Biermacher, The Samuel Roberts Noble Foundation

Relative Performance of Semi-Parametric Nonlinear Models in Forecasting Basis

Gulcan Onel, *University of Florida*; **Berna Karali**, *University of Georgia*

Heterogeneous Responses to Market Information and The Impact on Price Volatility and Trading Volume: The Case of Class III Milk Futures

Xiaodong Du, *University of Wisconsin*; **Fengxia Dong**, *University of Wisconsin*

Is Storage Rational When the Price is Expected to Decline? An Empirical Study Using Data from US Futures and Options Markets
Carl Zulauf, *The Ohio State University*; **Sanghyo Kim**, *The Ohio State University*

Cooperatives and the Risk Aversion of Farmers

Jafar Olimov, *The Ohio State University*

Concurrent Sessions — Monday, 2:45 PM - 4:15 PM

1056 Scanner Data in Demand Studies: Issues and Solutions

Greenway F, Second Level

Selected Paper Presentation

Scanner data are becoming increasingly available to academic researchers for conducting advanced analyses. These four papers address challenges associated with using these data including data quality, censored purchases, construction of price indices, and curse of dimensionality.

Moderator: Alba Collart, Texas A&M University

A Comparison of Food Demand Estimation from Homescan and Consumer Expenditure Survey Data

Tullaya Boonsaeng, *Texas Tech University*; **Carlos Carpio**, *Texas Tech University*

Explaining the Shift from Preserved to Fresh Vegetable Consumption

Peyton Ferrier, *USDA-Economic Research Service*; **Chen Zhen**, *Research Triangle Institute*

Estimating Demand for Differentiated Eggs Using Scanner Data

Yan Heng, *Kansas State University*; **Hikaru Hanawa Peterson**, *Kansas State University*

Beer Snobs Do Exist: Estimation of Beer Demand by Type

Daniel Toro-Gonzalez, *Universidad Tecnologica de Bolivar*; **Jill McCluskey**, *Washington State University*; **Ron Mittelhammer**, *Washington State University*

1057 Studies in Choice Experiments

Greenway G, Second Level

Selected Paper Presentation

This session contains applications of and innovations in choice experiments.

Moderator: Kenneth Baerenklau, University of California, Riverside

The Effect of Forced Choice with Constant Choice Experiment Complexity

Jerrold Penn, *University of Kentucky*; **Wuyang Hu**, *University of Kentucky*; **Linda Cox**, *University of Hawaii*

Identifying Which Ecosystem Services Coastal Residents Actually Value: A Choice Experiment Survey of the Eastern Shore of Virginia Regarding Climate Change Adaptation

Ian Yue, *University of Connecticut*; **Stephen Swallow**, *University of Connecticut*

Assurance Payments for Multiple Units Public Goods Provision: Experiments Motivated by Ecosystem Service Markets

Zhi Li, *University of Washington*; **Pengfei Liu**, *University of Connecticut*; **Stephen Swallow**, *University of Connecticut*

Spatially-Referenced Choice Experiments: Tests of Individualized Geocoding in Stated Preference Questionnaires

Benedict Holland, *Clark University*; **Robert Johnston**, *Clark University*

1058 Implications of Food Policies on Food Markets

Greenway H, Second Level

Selected Paper Presentation

The applied research presented in this session will explore how various food policies and programs affect the markets for various foods and beverages.

Moderator: René Roy, McGill University

Prevalence and Cost of On-Farm Produce Safety Measures in the Mid-Atlantic

Erik Lichtenberg, *University of Maryland*; **Elina Tselepidakis**, *University of Maryland*

The Incidence of Soda Taxes with Imperfect Information and Strategic Firm Behavior

Hualu Zheng, *University of Connecticut*; **Lu Huang**, *University of Connecticut*

The Use of Food Nutrition Fact Panel Information and Juice Consumption

Hyeyoung Kim, *University of Florida*; **Carlos Jauregui**, *University of Florida*; **Jong-Ying Lee**, *Retired*

The Dynamics of Brand Value in the Carbonated Soft Drinks Industry

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

Concurrent Sessions — Monday, 2:45 PM - 4:15 PM

1059 Bioenergy *Greenway I, Second Level*

Selected Paper Presentation

Bioenergy policies and economic effects.

Moderator: Omer Hoke, University of Connecticut

The Political-Economy of Biofuel and Cheap Oil Policies in Brazil

Madhu Khanna, *University of Illinois at Urbana-Champaign*; **Hector Nunez**, *Centro de Investigación y Docencia Económicas*; **David Zilberman**, *University of California, Berkeley*

Impact of US Biofuel Policy in the Presence of Drastic Climate Conditions

Hector Nunez, *Centro de Investigación y Docencia Económicas*; **Andres Trujillo-Barrera**, *Wageningen University*

Food Versus Crude Oil: What Do Prices Tell Us? Evidence from China

Yumeng Wang, *Renmin University of China*; **Donald Liu**, *University of Minnesota*; **Shuoli Zhao**, *University of Minnesota*; **Zhibai Yang**, *Huazhong Agricultural University*

How Biofuels Policies Boosted Grain Staple Prices: A Counterfactual Analysis

Di Zeng, *Lawrence Berkeley National Laboratory*; **Brian Wright**, *University of California, Berkeley*; **Eugenio Bobenrieth**, *Pontificia Universidad Católica De Chile*

1060 Effects of Federal Nutritional Programs on Food Choices *Greenway J, Second Level*

Selected Paper Presentation

This session is about federal nutrition programs such as SNAP and NSLP and their impacts on food choices.

Moderator: Norbert Wilson, Auburn University

Effect of the School Lunch Program on Children's Food Preferences and Family Grocery Shopping

Yuan Jiang, *University of Florida*; **Lisa House**, *University of Florida*; **Zhifeng Gao**, *University of Florida*

The Effect of an Information Intervention on the Healthfulness of College Meal Plan Purchases in a Use-it or Lose-it Meal Plan Currency System

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

Ambiguity Aversion and Preferences for Food Origin Post Fukushima Nuclear Disaster

Hikaru Hanawa Peterson, *Kansas State University*; **Koichi Yamaura**, *Tokyo University of Agriculture and Technology*

À la Carte Offerings Effect on Fruit and Vegetable Selection Behavior of National School Lunch Program Participants

Gabrielle Ferro, *University of Florida*; **Sonam Gupta**, *University of Florida*; **Jaclyn Kropp**, *University of Florida*; **Kelly Grogan**, *University of Florida*

1061 New Production Technologies: Household Responses and Preferences in the Developing World *Lake Superior A, Fifth Level*

Selected Paper Presentation

This session examines the ways households incorporate and adopt new technologies. Papers focus on household preferences and intra-household bargaining over new technologies as well as the income effects of a new hybrid rice variety.

Moderator: Conner Mullally, University of Florida

Yield and Income Effects of the Green Super Rice (GSR) Varieties: Evidence from a Fixed-Effects Model in the Philippines

Jose Yorobe, Jr., *University of the Philippines - Los Banos*; **Valerien Pedé**, *International Rice Research Institute*; **Jauhar Ali**, *International Rice Research Institute*; **Roderick Rejesus**, *North Carolina State University*; **Orlee Velarde**, *Asian Development Bank*

Gender-disaggregated Time and Risk Preferences and Agricultural Technology Adoption in Kenya and Tanzania

Abby Moore, *University of Georgia*; **Nicholas Magnan**, *University of Georgia*; **Ruth Meinzen-Dick**, *International Food Policy Research Institute*

Household Bargaining Over Technology Adoption

Sandeep Mohapatra, *University of Alberta*; **Leo Simon**, *University of California, Berkeley*

Concurrent Sessions — Monday, 2:45 PM - 4:15 PM

1062 Land Allocation and Risk Management Issues in Africa

Lake Superior B, Fifth Level

Selected Paper Presentation

Papers in this session address two key issues that affect household well-being in Africa. Two papers address financial and insurance services, while the other two papers focus on land related challenges facing farmers.

Moderator: Anita Regmi, CGIAR

Land Fragmentation with Double Bonuses -- The Case of Tanzanian Agriculture

Xudong Rao, *University of Minnesota*

Productive Spillovers of the Take-up of Index-Based Livestock Insurance

Russell Dean Toth, *University of Sydney*; **Christopher Barrett**, *Cornell University*; **Rich Berstein**, *Cornell University*; **Patrick Clark**, *US-DA-Agricultural Research Service*; **Carla Gomes**, *Cornell University*; **Shibia Mohamed**, *International Livestock Research Institute*; **Andrew Mude**, *International Livestock Research Institute*; **Birhanu Tadesse**, *International Livestock Research Institute*

Determinants of Land Allocation in a Multi-crop Farming System: An Application of the Fractional Multinomial Logit Model to Agricultural Households in Mali

James Allen, IV, *University of Kentucky*

Financial Services and Divisible Technology Dis-adoption among Farm Households: Theory and Empirical Application Using Data from Ethiopia

Isai Guizar, *Tecnologico de Monterrey*; **Nicholas Dadzie**, *The Ohio State University*

1063 Price and Labor Dynamics in International Trade

Lakeshore A, Main Level

Selected Paper Presentation

Price adjustments and labor mobility are two important mechanisms for the diffusion of volatility in world markets. Papers in the session investigate how fast market participants adjust to changes in trade policy, with an emphasis on price dynamics.

Moderator: Mark Gibson, Washington State University

The Role of Self-Employment in Mitigating Trade Shocks on US County Labor Markets

Jiaochen Liang, *The Pennsylvania State University*; **Stephan Goetz**, *The Pennsylvania State University*

Price Discovery of World and China Vegetable Oil Markets and Causality with Non-Gaussian Innovations

Senarath Dharmasena, *Texas A&M University*; **Lu Fang**, *Texas A&M University*; **David Bessler**, *Texas A&M University*; **Jing Wang**, *Northeast Agricultural University*

1064 Water Use and Externalities

Minnehaha, Second Level

Selected Paper Presentation

This session explores effects of climate variability on water use and crop yields; externalities and strategic scheduling of irrigation; externalities related to water transfers in managed water systems; and the effects of agricultural policy change on groundwater management in China and other places.

Moderator: David Lambert, Kansas State University

Inter-Decadal Climate Variability in the Edwards Aquifer: Regional Impacts of DCV on Crop Yields and Water Use

Jinxin Ding, *Texas A&M University*

Hydrologic Externalities and Water Transfers in Conjunctively Managed Water Systems

Levan Elbakidze, *University of Idaho*; **Hannah Vinson**, *University of Idaho*; **Kelly Cobourn**, *Virginia Polytechnic Institute and State University*; **R. Garth Taylor**, *University of Idaho*

Safe Water, Sanitation and WTP (Willingness to Pay)

Alaba Modupe Dare, *Federal University of Agriculture*

Concurrent Sessions — Monday, 2:45 PM - 4:15 PM

1065 Health and the Environment

LaSalle, Second Level

Selected Paper Presentation

This set of empirical studies examines the effect of the environment on health and the effect of healthy behaviors on the environment, particularly climate change. The studies use unique datasets to examine these issues.

Moderator: Catherine Greene, USDA-Economic Research Service

Long-term Effect of Climate Change on Health: Evidence from Heat Waves in Mexico

Jorge Aguero, *University of Connecticut*

Does Obesity Matter for the Environment? Evidence from Vehicle Choices and Driving

Hocheol Jeon, *Iowa State University*; **Joseph Herriges**, *Iowa State University*

Taxing Animal Products: Protein Demand Under Environmental Pressure and Social Impact in France

France Caillavet, *INRA ALISS*; **Fadhuile Adelaide**, *INRA-ALISS*; **Veronique Nichele**, *INRA-ALISS*

Pollution Whack-a-Mole: Ambient Acetaldehyde and the Introduction of E-10 Gasoline in the Northeast

Christopher Steiner, *University of California, San Diego*

1066 Risk Preferences

Lake Harriet, Fourth Level

Selected Paper Presentation

Presentations in this session focus on producer risk preferences and the impact these preferences may have on production decisions. This session includes both applied and theoretical examinations of the challenges associated with eliciting producer attitudes towards risk.

Moderator: Harun Bulut, NCIS

Cow-calf Producer Risk Preference Impacts on Willingness-to-Pay for Sustainable Breeding Practices

Albert Boaithey, *University of Alberta*

Identifying Risk Preferences with Semiparametric Estimation of Risk

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

Firm Exit under Inefficiency and Uncertainty: The Case of Dairy Farming

Simone Pieralli, *University of Maryland*; **Silke Huettel**, *Humboldt University of Berlin*; **Martin Odening**, *Humboldt University of Berlin*



Concurrent Sessions — Monday, 4:30 PM - 6:00 PM

1067 Agriculture, Food, and Natural Resources Case Studies

Regency, Second Level

Invited Case Studies

Case studies show how the application of economic principles may inform the public or private sectors in making better decisions. They present solutions and explanations of AAEA relevant problems for their targeted audiences and cover a wide range of topics, from food safety to environmental policy. This year the session's topics cover the organic farm, dairy, and seed industries.

Moderator: David Widmar, Purdue University

Dairy United

Jingjing Wang, *University of Missouri*; **Mei Chen**, *Dongbei University of Finance and Economics*; **Peter Klein**, *University of Missouri*

The Case Study of Organic Valley: Price Leadership - Price Stability?

Ye Su, *University of Missouri*; **Michael Cook**, *University of Missouri*

Wilson Seeds, Inc. A Period of Transition

David Widmar, *Purdue University*; **Allan Gray**, *Purdue University*; **Michael Gunderson**, *Purdue University*

1068 Crop Insurance: Opportunities and Challenges Facing the Industry

Lakeshore B, Main Level

ARA Section Track Session

Current and future economic and policy opportunities and challenges facing the crop insurance industry will be addressed by a panel of leading experts from government, private industry, and academia. The discussion will focus on both domestic and international policy issues affecting the crop insurance industry and the implications for producer risk management options going forward.

Organizer: Scott Fausti, South Dakota State University

Discussant: Dmitry Vedenov, Texas A&M University

Crop Insurance: Domestic Opportunities and Challenges Facing the Industry

Thomas Zacharias, *National Crop Insurance Services*

Crop Insurance: International Opportunities and Challenges Facing the Industry

Oscar Vergara, *Air Worldwide*

Crop Insurance: Opportunities and Challenges Facing Policy Administrators

Dwight Lanclos, *USDA-Risk Management Agency*

Concurrent Sessions — Monday, 4:30 PM - 6:00 PM

1069 Raising Productivity in African Agriculture: Issues and Implications for Development Strategy

Lake Superior B, Fifth Level

COSBAE and International Section Track Session

In recent years interest has grown in explaining how African smallholders make choices that affect the productivity and resilience of their operations and how agricultural policy influences the choices made. The four papers in this moderated session provide state-of-the-art empirical analysis drawing on data at the farm- or household-level. Issues related to agricultural productivity and poverty reduction are emphasized. Topics addressed include adoption of modern maize varieties, efficiency of agricultural input subsidy programs, and critical review of how different African countries are attempting to foster agricultural development. Policy implications and new hypotheses arising from these papers will be discussed.

Organizers: Monica Fisher, International Maize and Wheat Improvement Center; Jeffrey Reimer, Oregon State University

Moderator: Titus Awokuse, University of Delaware

Whom Should Farm Input Subsidy Programs Target? Evidence from Malawi

Jacob Ricker-Gilbert, *Purdue University*; **Francis Darko**, *Purdue University*; **Talip Kilic**, *The World Bank*; **Gerald Shively**, *Purdue University*

Do Adult Equivalence Scales Matter in Poverty Estimates? Evidence from Ghana

Timothy Dalton, *Kansas State University*; **Gregory Regier**, *Kansas State University*; **Yacob Zereyesus**, *Kansas State University*; **Vincent Amanor-Boadu**, *Kansas State University*

Economic Analysis of Modern Maize Varieties in Malawi

Jeffrey Reimer, *Oregon State University*; **Monica Fisher**, *International Maize and Wheat Improvement Center*; **Woinishet Asnake**, *CIM-MYT-Ethiopia*

Heterogeneous Approaches to Agricultural Development in Africa: Lessons from Ethiopia and Malawi

Gaush Berhane, *International Food Policy Research Institute*; **Karl Pauw**, *International Food Policy Research Institute*

1070 Challenges and Opportunities in Creating a Global Campus through International Programs and Curriculum

Greenway G, Second Level

AEM and TLC Section Track Session

In this track session, we will examine internationalizing the curriculum and research efforts by several universities. The Export Project at Illinois State University started with the intent to assist businesses in their international marketing efforts. The presenters will highlight the challenges of establishing a hands-on global project and the strategies they followed to overcome them. The incentives offered by various agriculture-related businesses and government or private entities as well as the challenges University of Kentucky faculty and students face to respond to the need for proactive agribusiness education abroad programs in China will be discussed. Presenter from Penn State University will introduce participants to a number of case studies and discuss how they prepare students for the embedded trip to France after the semester ends. Finally, presenters from University of Vermont and Ohio State University will discuss the opportunities and challenges for educators in designing, creating, and delivering global supply chain courses.

Organizer: Aslihan Spaulding, Illinois State University

Multidisciplinary Approach to Help Creating a Global Campus – Export Project

Asliban Spaulding, *Illinois State University*; **Klaus Schmidt**, *Illinois State University*

Creating Agribusiness Education Abroad in China: Institutional Support and Challenges Faced by Faculty and Students

Wuyang Hu, *University of Kentucky*

Internationalizing the Curriculum with an Embedded International Trip and Food-based Case Studies

Edward Jaenicke, *The Pennsylvania State University*

Challenges and Opportunities in Developing Global Agribusiness Curriculum

Kathleen Liang, *University of Vermont*; **Subbu Kumarappan**, *The Ohio State University*

Concurrent Sessions — Monday, 4:30 PM - 6:00 PM

1071 Livestock Outlook

Mirage, Second Level

Extension Section Track Session

This session continues the tradition of Extension Section Outlook organized symposia and will focus on livestock situation and outlook. The presenters will discuss the trends in domestic and global livestock production, trade, supplies, demand and prices as well as the prospects for profitability for the coming year.

Organizer: Jeremy Ross Pruitt, Louisiana State University

Discussant: David Anderson, Texas A&M University

Cattle and Beef

Kenneth Burdine, *University of Kentucky*

Hogs and Pork

Lee Schulz, *Iowa State University*

Dairy

Scott Brown, *University of Missouri*

Poultry

Jeremy Ross Pruitt, *Louisiana State University*

1072 To Nudge or Not to Nudge: When Does Food Policy Become Paternalism?

Greenway A, Second Level

FSN and IBES Section Track Session

Should high calorie foods and beverages be taxed? Should SNAP recipients be restricted in what they are allowed to purchase? In this session, panelists will discuss (1) whether and (2) to what extent policymakers should be involved in influencing consumers' food choices.

Organizer: Brenna Ellison, University of Illinois at Urbana-Champaign

Moderator: Jane Kolodinsky, University of Vermont

Panelists: Sean Cash, Tufts University; David Just, Cornell University; Jayson Lusk, Oklahoma State University; Lisa Mancino, USDA-Economic Research Service; Trenton Smith, University of Otago

1073 Developments in China's Agriculture

Lake Superior A, Fifth Level

IAAE and International Section Organized Symposium

This session will involve three papers examining different aspects of China's agricultural development. The first paper will report on a major study examining the implications of China's urbanization for food security in China. The second will examine the implications of structural change in China's agriculture. The third uses a simple econometric approach to examine the implications of income growth on China's demand and supply for food.

Organizer: William Martin, The World Bank

Urbanization and Food Security in China

Jikun Huang, *Chinese Academy of Sciences*; **Scott Rozelle**, *Stanford University*; **Jun Yang**, *Chinese Academy of Sciences*; **Jinxia Wang**, *Chinese Academy of Sciences*; **Xiangzheng Deng**, *Chinese Academy of Sciences*; **Junfei Bai**, *Chinese Academy of Sciences*

Wage Growth, Landholding, Machine Investment and Services in China

Futoshi Yamauchi, *The World Bank*; **Keijiro Otsuka**, *National Graduate Institute for Policy Studies*; **Xiaobing Wang**, *Center for Chinese Agricultural Policy, Chinese Academy of Sciences*; **Jikun Huang**, *Center for Chinese Agricultural Policy, Chinese Academy of Sciences*

Who Will Feed China in the 21st Century

William Martin, *The World Bank*; **Emiko Fukase**, *The World Bank*

Concurrent Sessions — Monday, 4:30 PM - 6:00 PM

1074 China's Increasingly Commercial Village-level Swine Producers: Implications for World Grain, Oilseed, and Pork Markets, as well as Food Safety, and the Environment in China

Greenway C, Second Level

Organized Symposium

China's growing and rapidly modernizing swine industry is a major driver of trends in world commodity markets, has contributed to improved diets in China, but is also generating adverse environmental effects and food safety concerns. While modern swine production facilities are growing rapidly in China, the bulk of pork production still takes place at the village-level with medium-sized producers that are getting larger and more sophisticated. Despite its importance, little is known about this industry. This symposium provides a series of presentations on village-level swine production in China using a panel survey of 450 swine producers stratified throughout China taken in 2011 and 2013. The data covers issues such as size and structure of village-level production, feed and sow efficiency measures and their determinants, animal health and manure management practices, and marketing arrangements. This symposium will present preliminary research from this project to paint a picture of swine production in China, and opportunities to discuss implications for trade in feed and meat, future pork production growth, environmental outcomes, and food safety.

Organizer: Bryan Lohmar, US Grains Council

Moderator: Michael Boddington, Asian Agribusiness Consulting

Discussants: Fred Gale, USDA-Economic Research Service; Dermot Hayes, Iowa State University

Pork Production in China: Triangulating Feed, Consumption, and Slaughter Data to Determine Current Levels and Potential for Future Production and Consumption growth

Bryan Lohmar, US Grains Council

Feeding and Sow Productivity in Rural China: The Role of Size, and Technical Assistance from Input Providers and Contractors

Dan Wang, Chinese Academy of Sciences

Swine Marketing Arrangements in China: Implications for Traceability and Food Safety

Xiangping Jia, Chinese Academy of Sciences

Swine Waste Management in Rural China: Implications of Size, Markets, and Cropping Patterns

Huang Weiming, Stanford University

1075 How to Fund and Where to Publish the Scholarship of Teaching and Learning in Agricultural Economics and Agribusiness

Northstar A, Second Level

Organized Symposium

The session will highlight the similarities and differences of the scholarship of teaching and learning (SoTL) from other funding and publication practices with which most academics are familiar. Panelists include SoTL researchers, editors of journals who publish SoTL work, and a university Center for Teaching and Learning director. These perspectives will provide attendees the ability to determine if SoTL work is compatible with their position, which opportunities may be most appropriate to pursue, and where to fund and publish their SoTL work.

Organizer: Leah Mathews, University of North Carolina, Asheville

Moderator: Leah Mathews, University of North Carolina, Asheville

Panelists: Michael Gunderson, Purdue University; Leah Mathews, University of North Carolina, Asheville; Rick Parker, NACTA Journal; Ann Marie VanDerZanden, Iowa State University

Concurrent Sessions — Monday, 4:30 PM - 6:00 PM

1076 Land Use Issues at the Urban Fringe: Is there a Fundamental Disconnect between Rural and Urban Analysts? Practitioners?

Northstar B, Second Level

Organized Symposium

This symposium is part of a larger funded project designed to bring together scholars working on fringe land use issues from within rural disciplines, like agricultural economics, and urban disciplines, like city and regional planning. Our premise is that these two groups of applied scholars study the same issues: “rural preservation” and “sprawl control” are essentially two names for the same perceived problem. But they talk to different stakeholders, have different research approaches, read different journals, and often have different perspectives on what is important.

Organizer: Paul Gottlieb, Rutgers University

Moderator: Paul Gottlieb, Rutgers University

The Urban-Rural Fringe: Removing Siloed Scholarship and Planning for the Future

Paul Gottlieb, Rutgers University

A Multidisciplinary Middle-Ground Examination of Land Use Planning Outcomes in the Portland, OR-Vancouver, WA Metropolitan Area

Jeffrey Kline, USDA-Forest Service

Moving Beyond Land Preservation: Planning for Viable Agriculture at the Fringe

Brian Schilling, Rutgers University

Deconstructing the Real Purpose of Agricultural Zoning

Jesse Richardson, West Virginia University; **Paul Gottlieb**, Rutgers University

1077 Innovation in the Agricultural Bioeconomy: Implications for Yield, Market Concentration, and Regulation in the Crop Sector

Greenway D, Second Level

AARES Organized Symposium

Human-induced climate change is projected to increase the frequency and intensity of extreme events. However, the welfare impacts of these changes are poorly understood. The papers in this session examine the short- and long-run impacts of tornadoes, hurricanes, and ENSO on a range of economically important outcomes, including migration, employment, earnings, and human capital. The authors also consider the effects of ex-ante and ex-post policies, such as disaster assistance and rebuilding and draw implications as to what their appropriate role should be.

Organizers: Gregory Graff, Colorado State University; Elizabeth Nolan, University of Sydney; Alan Randall, University of Sydney

Moderator: Alan Randall, University of Sydney

Panelists: Gregory Graff, Colorado State University; Emily Gray, Australian Bureau for Agricultural and Resource Economics and Sciences; Elizabeth Nolan, University of Sydney; Alan Randall, University of Sydney

Innovation in the Global Bioeconomy

Gregory Graff, Colorado State University; **Devon Phillips**, University of Minnesota; **Philip Pardey**, University of Minnesota

Market Concentration and Productivity in the United States Corn Sector: 1996-2009

Elizabeth Nolan, University of Sydney; **Guanming Shi**, University of Wisconsin; **Paulo Santos**, Monash University

Financial Risk Analysis of the Decision to Release a GM Crop Variety

Emily Gray, Australian Bureau for Agricultural and Resource Economics and Sciences

Concurrent Sessions — Monday, 4:30 PM - 6:00 PM

1078 Farm Finance *Greenway E, Second Level*

Selected Paper Presentation

This session examines a number of important topics in farm financial management.

Moderator: Forrest Stegeln, University of Georgia

Modernization of United States Farm Income Forecasts

Kevin Patrick, *USDA-Economic Research Service*; **Ryan Kuhns**, *USDA-Economic Research Service*; **Mitchell Morehart**, *USDA-Economic Research Service*; **Chris McGath**, *USDA-Economic Research Service*

Federal Crop Insurance and Credit Constraints: Theory and Evidence

Jennifer Ifft, *USDA-Economic Research Service*; **Liang Lu**, *University of California, Berkeley*; **Xiaoxue Du**, *University of California, Berkeley*; **David Zilberman**, *University of California, Berkeley*

The Crowd-Out Effect of Crop Insurance and Farm Survival and Profitability

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

1079 The Interdependence of US Food and Energy Policies *Greenway F, Second Level*

Selected Paper Presentation

The policy push toward clean renewable sources of energy has created closer interrelationship between fuel and grain prices. The four studies explore the mechanisms and extent to which grain prices are associated with energy prices.

Moderator: Yizao Liu, University of Connecticut

Food for Stomachs or Fuel for Tanks: What Do Prices Tell Us?

Kashi Kafle, *University of Illinois at Urbana-Champaign*

The Impacts of Energy Prices on Global Agricultural Commodity Supply, Demand and Trade

Getachew Nigatu, *USDA-Economic Research Service*; **Kim Hjort**, *USDA-Economic Research Service*; **James Hansen**, *USDA-Economic Research Service*; **Agapi Somwaru**

Using Copula to Test Dependency between Energy and Agricultural Commodities

Krishna Koirala, *Louisiana State University*; **Ashok Mishra**, *Louisiana State University*; **Joey Mehlhorn**, *University of Tennessee at Martin*

1080 Beyond Hedonic Models *LaSalle, Second Level*

Selected Paper Presentation

This session contains applications of and innovations in choice experiments.

Moderator: Cheryl Wachenheim, North Dakota State University

Estimating the Impact of Water Quality on Surrounding Property Values in Upper Big Walnut Creek Watershed in Ohio

Hongxing Liu, *The Ohio State University*; **Sathya Gopalakrishnan**, *The Ohio State University*; **Drew Browning**, *The Ohio State University*; **Patrick Herak**, *The Ohio State University*; **Gajan Sivandran**, *The Ohio State University*

The Effect of Spatial Interpolation on the Hedonic Model: A Case of Forest Damages

Xiaoshu Li, *Virginia Polytechnic Institute and State University*; **Kevin Boyle**, *Virginia Polytechnic Institute and State University*; **Thomas Holmes**, *USDA-Forest Service*; **Evan Pressier**, *University of Rhode Island*; **Klaus Moeltner**, *Virginia Polytechnic Institute and State University*; **Andrew Liebhold**, *USDA-Forest Service*; **David Orwig**, *Harvard Forest*

Preference Tradeoffs Across Spatial Scales: Developing a Micro Level Sorting Model

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

Marketing Ecosystem Services Using a Lindahl-Style Individual Price Auction Mechanism: A Case Study from Vermont

Anwesha Chakrabarti, *University of Connecticut*; **Stephen Swallow**, *University of Connecticut*; **Christopher Anderson**, *University of Washington*

Concurrent Sessions — Monday, 4:30 PM - 6:00 PM

1081 Causes and Effects of Farm Programs

Greenway H, Second Level

Selected Paper Presentation

Economic analysis of farm policy, causes of political action, and impacts of farm programs.

Moderator: Matthew Pham, The Ohio State University

Why Do Members of Congress Support Agricultural Protection?

Marc Bellemare, *University of Minnesota*; **Nicholas Carnes**, *Duke University*

Revisiting Decoupled Agricultural Policies in CGE Frameworks: Theory and Empirics

Emanuele Ferrari, *European Commission - Joint Research Centre - IPTS*; **Pierre Boulanger**, *European Commission - Joint Research Centre - IPTS*; **Aida Gonzalez-Mellado**, *Johann Heinrich von Thünen Institute*; **Scott McDonald**, *Oxford Brookes University*

Are Subsidies Decoupled from Production in the Presence of Incomplete Financial Markets?

Daniel Voica, *University of Maryland*

1082 Food Marketing

Greenway I, Second Level

Selected Paper Presentation

This session discusses food marketing trends, issues, and policy impacts.

Moderator: Siny Joseph, Kansas State University

Dynamics of the Food Environment in the United States

Senarath Dharmasena, *Texas A&M University*; **Jessica Todd**, *USDA-Economic Research Service*; **David Bessler**, *Texas A&M University*; **Oral Capps, Jr.**, *Texas A&M University*

What's Cooking? The Rise in Demand for Prepared Foods in the United States

Abigail Okrent, *USDA-Economic Research Service*; **Aylin Kumcu**, *USDA-Economic Research Service*

A Century of Eating: Revealed Preferences for Nutrients and Foods in the United States

Rebekah Shrader, *Washington State University*; **Jeffrey LaFrance**, *Monash University*; **Hayley Chouinard**, *Washington State University*; **Philip Wandschneider**, *Washington State University*

Long Term Consequences of Changing Global Food Consumption Patterns on US Agricultural Commodity Export Demand

Deepayan Debnath, *University of Missouri*; **Michael Helmar**, *University of Nevada, Reno*; **Julian Binfield**, *University of Missouri*; **Wyatt Thompson**, *University of Missouri*

1083 Entrepreneurship and Labor: Issues and Transitions

Greenway J, Second Level

Selected Paper Presentation

This session focuses on labor issues within the context of entrepreneurship, self-employment, and small business. During tough economic times, entrepreneurs may be forced to reconsider their self-employment/wage and salary labor trade-off. Entrepreneurial businesses may be more nimble and able to better adapt to changing macroeconomic conditions.

Moderator: Aycan Koksall, Cleveland State University

Employment Transitions among the Self-Employed During the Great Recession

Julia Beckhusen, *US Census Bureau*

Direct and Indirect Effects of Cash Transfers on Entrepreneurship

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

Small Business Disaster Resilience: The Importance of Informal Insurance

Tia McDonald, *Purdue University*; **Maria Marshall**, *Purdue University*

Veterinary Supply, Gender and Practice Location Choices in the United States, 1990-2010

Tong Wang, *Texas AgriLife Research*; **David Hennessy**, *Iowa State University*; **Seong Park**, *Texas AgriLife Research*

Concurrent Sessions — Monday, 4:30 PM - 6:00 PM

1084 Evaluating the Impacts of Cash and Food Transfer Programs in Africa

Lakeshore C, Main Level

Selected Paper Presentation

Papers in this section evaluate the impact of cash transfer programs in Africa. Two of the papers compare cash and food transfers, while the other two papers focus on assets and savings issues surrounding cash transfers.

Moderator: Michael Reed, University of Kentucky

Households' Investments in Productive Assets in Rural Niger: Quasi-experimental Evidences From a Cash Transfer Project

Quentin Stoeffler, Virginia Polytechnic Institute and State University; Bradford Mills, Virginia Polytechnic Institute and State University

Resolving the Puzzle of the Conditional Superiority of In-kind versus Cash Food Assistance: Evidence from Niger

Joanna Upton, Cornell University

Much Ado about Modalities: A Multicountry Experiment on the Effect of Cash and Food Transfers on Consumption Patterns

Daniel Gilligan, International Food Policy Research Institute; **Melissa Hidrobo**, International Food Policy Research Institute; **John Hoddinott**, International Food Policy Research Institute; **Shalini Roy**, International Food Policy Research Institute; **Benjamin Schwab**, International Food Policy Research Institute

How to Bank the Poor? Evidence from a Savings Field Experiment in Malawi

Jeffrey Flory, Claremont McKenna College

1085 Climate and Water

Lakeshore A, Main Level

Selected Paper Presentation

This session explores the effects of climate change on water management, demand, and availability. Papers explore residential water demand, economic impacts and groundwater use, migration and water shortages, and irrigation demand.

Moderator: Wendong Zhang, The Ohio State University

Residential Water Demand, Climate Change and Exogenous Economic Trends

Corey Lott, University of California, Santa Barbara; **Elena Tchigriaeva**, University of Nevada, Reno; **Kimberly Rollins**, University of Nevada, Reno

Projecting the Economic Impact and Level of Groundwater Use in the Southern High Plains under Alternative Climate Change Forecasts Using a Coupled Economic and Hydrologic Model

David Brian Willis, Clemson University; **Rachna Tewari**, Texas Tech University; **Jeff Stovall**, Espey Consultants, Inc.; **Katharine Hayhoe**, Texas Tech University; **Annette Hernandez**, Texas Tech University; **Steven Mauget**, USDA-ARS Plant Stress and Water Conservation Lab; **Gary Leiker**, USDA-Agricultural Research Service; **Jeffrey Johnson**, Mississippi State University

Climate Change, Migration, and Water Shortage

Ruohong Cai, Princeton University

Irrigation Demand in a Changing Climate: Using Disaggregate Data to Predict Future Groundwater Use

Calvin Shaneyfelt, University of Nebraska; **Karina Schoengold**, University of Nebraska

Concurrent Sessions — Monday, 4:30 PM - 6:00 PM

1086 Topics in Bioenergy

Minnehaha, Second Level

Selected Paper Presentation

Papers in this session address issues pertaining to bioenergy vertical supply chain. Issues range from land use implications of bioenergy markets to assessment of policies designed to facilitate investment in processing plants.

Moderator: James MacDonald, USDA-Economic Research Service

Estimating the Supply of Corn Stover at the Farm Level for Biofuel Production: Taking Account of Farmers' Willingness to Harvest

Jason Bergtold, *Kansas State University*; **Aleksan Shanoyan**, *Kansas State University*; **Ira Altman**, *Southern Illinois University*; **Jason Fewell**, *University of Tennessee*; **Jeffery Williams**, *Kansas State University*

Cost Effectiveness of Alternative Policies to Induce Investment in Cellulosic Biofuels

Juan Pablo Sesmero, *Purdue University*; **Tanner McCarty**, *Purdue University*

Impact of Different Bioenergy Crops on Area Allocation and Cellulosic Ethanol Feedstock Mix

Jerome Dumortier, *Indiana University-Purdue University Indianapolis*

1087 Rural Wealth Creation

Lake Harriet, Fourth Level

Selected Paper Presentation

To better understand the wealth creation process in rural areas is not only of theoretical but also practical importance. This session includes four presentations that address the same theme from different perspectives: (1) rural-urban difference in wealth creation, (2) the impact of broadband investment (3) The presence of Shale oil and gas and (4) the impact of hospitals and medical services.

Moderator: Peter Stenberg, USDA-Economic Research Service

Rural and Urban Differences in Household Wealth Accumulation: What Role Do Demographics, Wages and Property Values Play?

Alexander Marre, *USDA-Economic Research Service*

The Farm Bill and Rural Economies: Broadband Investment Over the Last Decade

Peter Stenberg, *USDA-Economic Research Service*

Land Values and Shale Oil and Gas Development: Research Opportunities, Perils, and Some Evidence from the Pennsylvania-New York Border

Jeremy Weber, *USDA-Economic Research Service*; **Claudia Hitaj**, *USDA-Economic Research Service*

The Impact of Hospitals on Local Labor Markets in Georgia: Going Beyond IMPLAN

Anne Mandich, *University of Georgia*; **Jeffrey Dorfman**, *University of Georgia*

1088 Insurance: Empirical Issues and Implementation

Greenway B, Second Level

Selected Paper Presentation

Insurance has long been considered an effective method for managing risk. This session examines crop, dairy margin, and livestock insurance as well as examining insurance structures and investment choices.

Moderator: Feng Qiu, University of Alberta

The Importance of Crop Insurance Subsidies: Examining Enterprise Units

Erik O'Donoghue, *USDA-Economic Research Service*

Parametric Bootstrap Tests for Futures Price and Implied Volatility Biases with Application to Rating Dairy Margin Insurance

Marin Bozic, *University of Minnesota-Twin Cities*; **John Newton**, *The Ohio State University*; **Cameron Thraen**, *The Ohio State University*; **Brian Gould**, *University of Wisconsin*

Estimating the Effect of Index Based Livestock Insurance on Subjective Wellbeing

Christopher Barrett, *Cornell University*; **Kibrom Hirfjot**, *Cornell University*; **Erin Lentz**, *Bucknell University*