

## 1001 Regression Discontinuity Designs in Applied Econometrics

Washington State Convention Center, Room 204

### Frontier Session/Econometrics Section Track Session

Regression Discontinuity (RD) designs are at the forefront of the “credibility revolution” in applied econometrics. The RD approach estimates the causal effect of a treatment by leveraging an exogenous cut-off in a continuous variable that determines which groups receive a treatment and which groups do not. By comparing households immediately above and below the exogenous threshold, local treatment effects can be estimated. In the last decade, the number of studies using and extending RD methods has grown dramatically and RD has become a key part of the empirical tool kit of labor, health, development, and environmental economists. This session features Professor Thomas Lemieux who has been at the forefront of developing these methods and demonstrating their usefulness to applied economists. He will describe the historical evolution of RD studies and describe good empirical practice when applying them.

**Organizer:** Timothy KM Beatty, University of Minnesota

**Moderator:** Timothy KM Beatty, University of Minnesota

#### Presentation:

Regression Discontinuity Designs in Applied Econometrics  
*Thomas Lemieux, University of British Columbia*

## 1002 Constraints on Rural Development

Washington State Convention Center, Room 211

### Selected Paper Session

Presentations address how vacant building demolitions affect crime in the short and long term, how individual borrower characteristics influence response to mortgage assistance, whether increasing population density leads to agricultural intensification, and complementary models for analyzing drought impacts.

**Moderator:** Allison Gunter, Colorado State University

#### Presentations:

The Effect of Vacant Building Demolitions on Crime under Depopulation

*Christina Plerhoples, Michigan State University*

Staring Down Foreclosure: Modification Findings from Homeowners Seeking Assistance

*Shannon A. McKay, Urvi Neelakantan, and Kimberly Zeuli, Federal Reserve Bank of Richmond*

How Does Population Density Affect Agricultural Production? Evidence from Ethiopia

*Anna Leigh Josephson, Jacob E. Ricker-Gilbert, and Raymond J.G.M. Florax, Purdue University*

Integrating Different Approaches to Analyze a Drought Event's Impact on Communities: Applying EDM and IO Models to Analysis of the Drought in Southeast Colorado

*Allison Gunter, Chris Goemans, James G. Pritchett, and Dawn D. Thilmany McFadden, Colorado State University*

## 1003 Consumer Decision Making and Willingness to Pay

Washington State Convention Center, Room 212

### Selected Paper Session

A number of different techniques are used by the authors of these papers to evaluate consumers' decisions and determine their willingness to pay. Decision variables are organic and local, domestic and imported, type of production processes used in raising the commodity.

**Moderator:** Brandon R. McFadden, Oklahoma State University

#### Presentations:

Consumers' Willingness to Pay for Organic and Local Blueberries: A Multi-store BDM Auction Controlling for Purchase Intentions

*Lijia Shi, Lisa A. House, and Zhifeng Gao, University of Florida*

Consumer Preference Variation between Domestic and Imported Food

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

Truthful, Misguiding Labels: The Implications of Labeling Production Processes Rather Than Their Outcomes

*Marco Costanigro, Colorado State University*

Effect of Advocacy Information on Consumer Preferences for Cage Free Eggs: A Neuroeconomic Analysis

*Brandon R. McFadden and Jayson L. Lusk, Oklahoma State University; John M. Crespi, Kansas State University; J. Bradley C. Cherry, University of Missouri at Kansas City; Laura E. Martin, University of Kansas Medical Center; Amanda S. Bruce, University of Missouri at Kansas City*

## 1004 Hedging Strategies in Risky Markets

*Washington State Convention Center, Room 213*

### Selected Paper Session

Futures markets provide an opportunity for market participants to hedge price risks. Improving risk hedging strategies is the theme underlying these presentations.

**Moderator:** Jieyuan Zhao, North Carolina State University

#### Presentations:

Effectiveness of Weather Derivatives as Cross-hedging Instrument against Climate Change: The Cases of Reservoir Water Allocation Management in Guanajuato, Mexico

*Dmitry V. Vedenov, Leonardo F. Sanchez, Miriam Juarez-Torres, and Leonardo F. Sanchez, Texas A&M University*

Hedgers' Participation in Futures Markets under Varying Price Regimes

*Daniel J. Sanders and Timothy G. Baker, Purdue University*

Do RIN Mandates and Blender's Tax Credit Affect Blenders' Hedging Strategies?

*Zafarbek N. Ahmedov, Texas A&M University; Joshua D. Woodard, Cornell University*

Dynamic Cross-hedge Ratios: An Application of Copula Models

*Jieyuan Zhao and Barry K. Goodwin, North Carolina State University*

## 1005 Regional Perspectives on the Importance of Transportation Issues and Concerns to the U.S. Fresh Fruit and Vegetable Industry

*Washington State Convention Center, Room 214*

### Organized Symposium

There are a number of transportation issues that affect the transportation of fresh fruit and vegetables between different regions of the United States. One driving issue is federal and state regulatory policies and rules that affect the capacity of the transportation sector to adequately service the domestic and international markets for U.S. produced fresh fruit and vegetables. This symposium will provide discussion on the impact of those regulatory policies on fresh fruit and vegetable regional competitiveness issues.

**Organizer:** Jay E. Noel, California Polytechnic State University, San Luis Obispo

**Moderator:** Jay E. Noel, California Polytechnic State University, San Luis Obispo

**Panelists:** Mechel S. Paggi, California State University, Fresno; Kenneth L. Casavant, Washington State University; Sean P. Hurley, California Polytechnic State University, San Luis Obispo; Miguel I. Gomez, Cornell University

## 1006 Agricultural Land Use and Grassland Conversion in the Northern Plains: Implications from Alternative Data and Modeling Strategies

*Washington State Convention Center, Room 303*

### Invited Paper Session

The papers in this session employ different data and methods to examine the direction of, and reasons for, land use flux, especially the conversion of grassland in the Northern Plains. The first paper uses spatially explicit satellite imagery data from NASS's Cropland Data Layer data. The second paper applies mixed logit methods to model land use conversion choices. The third paper uses recent signup data from the Conservation Reserve Program and survey data from the Farm Service Agency.

**Organizer:** Hongli Feng, Iowa State University

**Moderator:** David W. Archer, USDA-Agricultural Research Service

**Discussant:** Randal Dell, Ducks Unlimited

#### Presentations:

Modeling Grassland Conversion: The Need for, and Challenges of, Using Satellite Imagery Data in Empirical Land Use Models

*Benjamin S. Rashford and Shannon Albeke, University of Wyoming; David J. Lewis, University of Wisconsin*

Using Mixed Logit in Land Use Models: Can Expectation Maximization (EM) Algorithms Facilitate Estimation?

*Roger L. Claassen, Seung Gyu Kim, and Daniel M. Hellerstein, USDA-Economic Research Service*

The Effects of Government Payments on Native Grassland Conversion, the CRP, and Corn Acreage Changes in the Dakotas

*Hongli Feng, David A. Hennessy, and Ruiqing Miao, Iowa State University*

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

## **1007 Advances, Updates, and Practical Issues in U.S. Crop Insurance Premium Rating Methods**

*Washington State Convention Center, Room 304*

### **AFM Section and ARA Section Track Session**

Crop insurance programs have moved from the periphery to the core of U.S. federal risk support for crop producers. Not only has the program grown in participation, but coverage levels and revenue products have increased. Further, the rating system for the program has been the subject of significant research over the past decade. The upshot is that a considerable evolution in rating has occurred. This session will provide an update of current rating procedures and provide an overview of the research that led to the current system. Finally, Tom Worth, Chief Actuary of USDA-RMA, will provide an overview of the challenges and future directions for program rating.

**Organizer:** Keith H. Coble, Mississippi State University

**Moderator:** Roderick M. Rejesus, North Carolina State University

#### **Presentations:**

A Primer on the RMA Rating System and How We Got Here  
*Thomas O. Knight, Texas Tech University*

At the Nexus of Economics and Actuarial Science: A Joint Project to Evaluate Crop Insurance Loss History  
*Keith H. Coble, Mississippi State University*

It's Not Just APH: Current Approaches to Rating Revenue Insurance and Area Designs  
*Barry K. Goodwin, North Carolina State University*

Updates, Challenges, and Future Directions in RMA Premium Rating  
*Thomas W. Worth, USDA-Risk Management Agency*

## **1008 Behavioral Responses and Water**

*Washington State Convention Center, Room 305*

### **AERE Session**

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

#### **Presentations:**

Climate Change, Rainfall Variability, and Adaptation through Irrigation: Evidence from Indian Agriculture  
*Ram Fishman, Harvard University*

Climate, Water Scarcity, and the Choice of Crop-specific Irrigation Technology and Water Application Rates  
*Beau Olen and Christian A. Langpap, Oregon State University*

Paying for Pollution? How General Equilibrium Effects Undermine the "Spare the Air" Program  
*Steven E. Sexton, University of California, Berkeley*

The Perceived Price for Residential Water Demand: Evidence from a Natural Experiment  
*Casey J. Wichman, University of North Carolina at Chapel Hill*

## **1009 Returns to the Agricultural Sector: Where Have We Been and Where Are We Going**

*Washington State Convention Center, Room 307*

### **Organized Symposium**

Various trends in today's society have sparked interest in investment in the agricultural sector. This increased interest has provided a signal for the need in understanding the historical performance of the various components of the agricultural sector and what it might reveal about future performance.

**Organizer:** Joshua D. Detre, Louisiana State University

**Moderator:** Michael A. Gunderson, University of Florida

**Discussants:** Jason R. Henderson, Federal Reserve Bank of Kansas City-Omaha Branch; Hector O. Zapata, Louisiana State University

## **1010 Food Marketing and Nutrition: An Industrial Organization Perspective**

*Washington State Convention Center, Room 308*

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

The purpose of this session is to examine the role of non-price marketing strategies employed by firms in the food industry. While the primary intention of marketing is to facilitate exchange between buyers and sellers, this session will focus on the impact food marketing has on the subsequent nutritional quality of consumer food purchases. This session encourages important discussion of the impact of food marketing strategies on consumers' diet. Given the current obesity crisis and proposals for regulating industry marketing practices, this is a particularly timely topic.

**Organizer:** Joshua P. Berning, University of Connecticut

#### **Presentations:**

Store Format and the Healthfulness of Food-at-Home  
*Richard J. Volpe, III, USDA-Economic Research Service*

Welfare Effects of New Products' Introduction: To Health or Not to Health?  
*Alessandro Bonanno, Penn State University*

Star Wars and Cereal Wars: Implications of Food Marketing with Movie Tie-ins  
*Rui Huang, Joshua P. Berning, Hongju Liu, and Adam N. Rabinowitz, University of Connecticut*

Does Breakfast Cereal Advertising Target Young Children?  
*Joshua P. Berning, Rui Huang, and Adam N. Rabinowitz, University of Connecticut*

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

## **1011 Social Media and Firm Response to Information in the Supply Chain** *Washington State Convention Center, Room 309*

### **AEM Section Track Session**

Information technology allows firms greater ability to network and communication with stakeholders in their supply chain. This session analyzes industry-level and firm-level responses to information technology, with specific regards to how firms utilize information to manage risks within their supply chain. The papers in this session focus on different aspects of the supply chain including factors that influence firms use of social media, how producers are using social media to network with input suppliers, the ability of firms to effectively use social media as a marketing and/or promotional tool, and implications of firms' responses to product recall information.

**Organizer:** Michelle L. Santiago, Sam Houston State University

**Moderator:** Michelle L. Santiago, Sam Houston State University

### **Presentations:**

Factors Influencing Local Agribusiness's Social Media Use  
*Michelle L. Santiago and Julie Cooper, Sam Houston State University*

Firm Response to Food Recalls Information: Implications for Welfare Effects  
*William E. Nganje and Timothy J. Richards, Arizona State University; Victoria Salin, Texas A&M University*

## **1012 Designing and Implementing Collaborative Metrics for Departments, Schools, and Colleges** *Washington State Convention Center, Room 310*

### **NAAEA Track Session**

Departments, Schools, and Colleges that comprise agricultural, food and natural resources within the Land Grant Universities and other public Universities are increasingly seeking better impact and productivity metrics to explain and justify the importance of research, extension, and academic capacity-building to long term sustainability and welfare. This track session is focused on designing and utilizing collaborative metrics to enhance our internal prioritizing and our education, research, and outreach efforts. The discussion will draw upon the expertise of current and former department Heads, Deans, and faculty who have engaged in and managed the teaching, research, and outreach missions of universities and research institutions.

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

**Moderator:** Susan M. Capalbo, Oregon State University

**Discussants:** Kenneth A. Foster, Purdue University; Cathy A. Roheim, University of Idaho

**Panelists:** Larry W. Van Tassell, University of Nebraska; Loren W. Tauer, Cornell University; Octavio A. Ramirez, University of Georgia; Daniel J. Bernardo, Washington State University; Richard J. Sexton, University of California, Davis

## **1013 Women in Academic Training and Professional Careers: Identifying and Analyzing Factors Impacting Success** *Washington State Convention Center, Room 602*

### **CWAE Track Session**

Women appear to be impacted by different barriers and reward structures than do their male counterparts at various points in their academic training and professional careers. This session contains a collection of three papers which analyze women at different points in their academic training and professional life. This session will stimulate discussion and contribute to a better understanding of the challenges and barriers, and opportunities that women face first as students, and then as faculty members and leaders in their professional careers. One paper identifies multiple points where women fail to continue their education despite being academically able to do so! Another paper addresses a problem often faced by academic couples: finding two jobs at the same institution. This paper finds that assistant professors hired under the accommodation policy at one institution are more likely than their peers to gain tenure. The third paper provides an overview of changes in the female leadership (styles, positions, and approaches) with respect to education, family environment, and societal expectations based on literature review and cases in our profession. This paper concludes despite no significant difference in leadership styles, that the barriers and rewards impact men and women differently.

**Organizer:** Vicki A. McCracken, Washington State University

**Moderator:** Kelly M. Cobourn, Boise State University

### **Presentations:**

Academic Performance and Persistence of Undergraduate Students at a Land Grant Institution: Women and Their Male Counterparts

*Vicki A. McCracken, Washington State University; Diem Nguyen, American Express; Fran Hermanson, Washington State University*

Effects of University Partner Accommodation Policies on Productivity

*Jared L. Woolstenhulme, Benjamin Cowan, Jill J. McCluskey, and Tori Byington, Washington State University*

When Nonconformist Meets Conformist: Rewards and Challenges for Female Leaders

*Chyi-Lyi (Kathleen) Liang, University of Vermont*

## 1014 Policy and Agribusiness

Washington State Convention Center, Room 603

### Selected Paper Session

Government programs and policies play a key role in agricultural markets. With the passage of acts like Sarbanes-Oxley and Food Safety Modernization, the expectation is government will play an increasing role. These papers examine how government policies ranging from immigration enforcement to sugar policy impact agribusiness firms.

**Moderator:** Aleksan Shanoyan, Kansas State University

### Presentations:

Overcoming Selection Bias in Measuring the Effect of Entrepreneurial Assistance Programs

*Adam J. Lovgren, Michigan State University; Christopher Peterson, MSU Product Center; Robert Brent Ross, Michigan State University*

The Impact of Immigration Enforcement on the Farming Sector  
*Gentian Kostandini, University of Georgia; Elton Mykerezzi, University of Minnesota; Cesar L. Escalante, University of Georgia*

Long-Term Sustainability of Third Party Facilitated Market Linkages: Evidence from the USDA Marketing Assistance Program in the Armenian Dairy Industry

*Aleksan Shanoyan, Kansas State University; J. Roy Black, Michigan State University; Hamish R. Gow, Massey University; Christopher Peterson, MSU Product Center; Robert Brent Ross, Michigan State University*

## 1015 Risk, Efficiency, and Financial Performance

Washington State Convention Center, Room 604

### Selected Paper Session

This session is a compilation of papers dealing with the application of various techniques in risk and efficiency analyses to such issues as the recent surge of bank failures among agricultural and non-agricultural lending institutions, the financial sustainability of microfinance operations in various regions in Asia and Europe, and the effect of the ethanol demand surge on livestock feed markets. Novel techniques such as traditional and 'value at risk' analytical methods as well as stochastic frontier approach to efficiency analysis are explored in a couple of papers in this session.

**Moderator:** Carl Johan Lagerkvist, Swedish University of Agricultural Sciences

### Presentations:

Technical Efficiency and the Probability of Bank Failure among Agricultural and Non-agricultural Banks

*Xiaofei Li, Cesar L. Escalante, James E. Epperson and Lewell F. Gunter, Jr., University of Georgia*

The Universality of Microfinance Operations Model in Eastern Europe and Central Asia: Financial Sustainability vs. Poverty Outreach

*Ganna Sheremenko, Cesar L. Escalante, and Wojciech J. Florkowski, University of Georgia*

Time-Varying Price Interactions and Risk Management in Livestock Feed Markets—Determining the Ethanol Surge Effect  
*Hernan A. Tejada, North Carolina State University*

Comparison of Traditional and Copula-based 'Value at Risk' Methods for Farm-financial Investment Portfolios

*Carl Johan Lagerkvist and Maitreyi Mandal, Swedish University of Agricultural Sciences*

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

## 1016 Examining Energy and Commodity Price Volatility

Washington State Convention Center, Room 606

### Selected Paper Session

This session discusses volatility in energy, grain, and food prices.

**Moderator:** Berna Karali, University of Georgia

#### Presentations:

Do Energy Prices Stimulate Food Price Volatility? Examining Volatility Transmission between the U.S. Oil, Ethanol, and Corn Markets

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

Interrelationship and Volatility Transmission between Grain and Oil Prices

*Doo Bong Han, Korea University; Minji Kong, Korea Rural Economic Institute*

Commodity Prices and Volatility in Response to Anticipated Climate Change

*Anh N. Tran and Michael James Roberts, North Carolina State University; David Lobell, Stanford University; Wolfram Schlenker, Columbia University; Jarrod R. Welch, University of California, San Diego*

When Do the USDA Forecasters Make Mistakes?

*Berna Karali, University of Georgia; Olga U. Isengildina-Massa, Clemson University; Scott H. Irwin, University of Illinois at Urbana-Champaign*

## 1017 Hedonic Pricing

Washington State Convention Center, Room 607

### Selected Paper Session

Hedonic pricing can be used to estimate the value of a multitude of environmental attributes. This session considers hedonic methods used to value resource access as well as conservation.

**Moderator:** Katherine Y. Zipp, University of Wisconsin

#### Presentations:

Measuring the Economic Impact of Shale Oil Exploration on Housing Value in Pennsylvania

*Allen Klaiber and Sathya Gopalakrishnan, The Ohio State University*

Valuing Access to Multiple Water Supply Sources in Irrigated Agriculture with a Hedonic Pricing Model

*Monobina Mukherjee and Kurt A. Schwabe, University of California, Riverside*

The Value of Water Rights in Agricultural Properties in the Phoenix Active Management Area

*James Yoo, Perrings Charles, Silvio Simonit, and Paul Maliszewski, Arizona State University*

Using the Benefit Function to Value Non-market Goods: An Application to Open-space Conservation

*Katherine Y. Zipp, University of Wisconsin*

## 1018 How to Be a Reviewer

Washington State Convention Center, Room 608

### GSS Track Session

Have you ever wondered if you could make it as a reviewer? What are the expectations of reviewers? How do you get involved? What are the criteria for judgment? This session helps answer these questions and more.

**Organizer:** Brandon R. McFadden, Oklahoma State University

**Panelists:** Peter D. Goldsmith, University of Illinois at Urbana-Champaign; Siva Sureshwaran, USDA-National Institute of Food and Agriculture; Greg Traxler, Bill & Melinda Gates Foundation

## 1019 Risk Management and Crop Insurance

Washington State Convention Center, Room 609

### Selected Paper Session

The first paper examines producers risk management strategies, including crop insurance. The second paper examines the impact of crop yield distributions on crop insurance premiums. The third paper looks at expanding crop insurance to organic producers. The fourth paper proposes offering farmers the opportunity to self-insure through crop insurance savings accounts.

**Moderator:** Gregory J. Colson, University of Georgia

#### Presentations:

Modeling Correlated and Disaggregated Crop Revenue Distributions: Implications under Mixed Policy and Program Initiatives  
*Jim A. Jansen, Matthew C. Stockton, and Bradley D. Lubben, University of Nebraska*

Estimation of Crop Yield Distribution and Insurance Premium Using Shrinkage Estimator: A Hierarchical Bayes and Small Area Estimation Approach

*Sebastain Nde Awondo, Octavio A. Ramirez, Gauri S. Datta, and Esendugue Greg Fonsah, University of Georgia*

Revenue Protection for Organic Producers: Too Much or Too Little

*Ariel Singerman, National Rice Company; Chad E. Hart and Sergio H. Lence, Iowa State University*

Crop Insurance Savings Accounts

*Gregory J. Colson, Shengfei Fu, and Octavio A. Ramirez, University of Georgia*

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

## 1020 Taxes and Nudges for Healthy Eating

Washington State Convention Center, Room 611

### Selected Paper Session

The papers in this session look at the effects of a variety of taxes and nudges on consumer decision making. Outcomes of interest include diet quality and restaurant revenue.

**Moderator:** Abigail M. Okrent, USDA-Economic Research Service

#### Presentations:

Effect of Menu Labeling on Caloric Intake and Restaurant Revenue in Full-service Restaurants

*Brenna Ellison and Jayson L. Lusk, Oklahoma State University*

The Effect of Soft Drinks Taxes on Consumption: Evidence from Scanner Data

*Francesca Colantuoni and Christian Rojas, University of Massachusetts Amherst*

The Effects of State and County Taxes on Healthfulness of Food Consumption

*Abigail M. Okrent and Richard J. Volpe, III, USDA-Economic Research Service*

## 1021 Institutional Economics and Development

Washington State Convention Center, Room 612

### Selected Paper Session

This group of papers will explore the role that institutions play in developing countries. Theories from John R. Commons and voting behavior shape this session. The effects of communities and community organizations on economic life and resource management are also discussed.

**Moderator:** Christian H.C.A. Henning, University of Kiel

#### Presentations:

John R. Commons and the Evolution of Institutions: The Case of the Malian Cotton Sector

*Veronique Theriault, Michigan State University; James A. Sterns, University of Florida*

Determinants of Rural Service Provision and External Linkages in Village Organizations in the Democratic Republic of Congo

*Catherine R. Ragasa and Jenny Golan, International Food Policy Research Institute*

To Identify the Community Characteristics of Successful Common Resource Management: A Case of Shrimp Farming in Bangladesh

*Sadika Haque, Md. Nazmul Hoque, and Siegfried Bauer, Giessen University*

Constitutional Rules, Informal Institutions, and Agricultural Protection in Developing and Industrial Countries: Theory and Empirical Evidence

*Christian Afsmann, University of Bamberg; Eva Krampe and Christian H.C.A. Henning, University of Kiel*

## 1022 Politics and Power

Washington State Convention Center, Room 613

### Selected Paper Session

The role of democracy and political institutions are explored in through analysis of politics and power in the allocation of agricultural supports, access to health and education services, and food security.

**Moderator:** Christine M. Moser, Western Michigan University

#### Presentations:

Political Manipulation of Agricultural Support: Evidence from Andhra Pradesh

*Sharad A. Tandon, USDA-Economic Research Service*

Endogeneity between Education and Health and Caste Bias

*Abdoul G. Sam and Ganita Bhupal, The Ohio State University*

Election Outcomes and Food Security: Evidence from Consumption of Scheduled Castes and Tribes in India

*Sharad A. Tandon, USDA-Economic Research Service*

State Presence and Power in Remote Areas in Madagascar

*Marc F. Bellemare, Duke University; Christine M. Moser, Western Michigan University*

## 1023 Spatial Applications to Agriculture and Economic Development

Washington State Convention Center, Room 614

### Selected Paper Session

Spatial and other geographic data are increasingly integrated with economic data to better understand development processes. This session highlights novel spatial applications focused on marketing agricultural products and food, and understanding economic growth.

**Moderator:** Mesbah J. Motamed, USDA-Economic Research Service

#### Presentations:

Using Satellite-based Remote Sensing Data to Assess Millet Price Regimes and Market Performance in Niger

*Timothy M. Essam, University of Maryland; Molly E. Brown, NASA; Kenneth L. Leonard, University of Maryland*

Differentiation in a Two-dimensional Market with Endogenous Sequential Entry

*Jeffrey D. Michler and Ben Gramig, Purdue University*

Geography and Economic Growth in Vietnam

*Thu Ngo and Paulo J. Santos, University of Sydney*

Borders and Barriers: Analyzing Agricultural Yield Spillovers at the Grid Cell Level

*Mesbah J. Motamed, USDA-Economic Research Service; Raymond J.G.M. Florax, Purdue University; William A. Masters, Tufts University*

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

## 1024 Non-tariff Barriers

Washington State Convention Center, Room 615

### Selected Paper Session

As regional and multilateral trade negotiations lower tariff barriers, attention has turned toward non-revenue mechanisms for restricting trade. The researchers in this session are investigating aspects of safeguards and other limits on trade.

**Moderator:** Derek Farnsworth, University of California, Davis

#### Presentations:

Estimating Gravity Equation Models in the Presence of Heteroskedasticity and Frequent Zeros

*Bo Xiong and Sixia Chen, Iowa State University*

Voluntary Standards and International Trade: A Heterogeneous Firms Approach

*William Henry McGuire and Ian M. Sheldon, The Ohio State University*

Maximum Residue Limits: Protectionism or Food Safety?

*Derek Farnsworth, University of California, Davis*

## 1025 Climate Change

Washington State Convention Center, Room 616

### Selected Paper Session

This group of papers explores the effects of climate change on agriculture, forests, and air quality.

**Moderator:** Denis A. Nadolnyak, Auburn University

#### Presentations:

Feedlots, Air Quality, and Dust Control-benefit Estimation under Climate Change

*Chin-Hsien Yu, Texas A&M University; Seong C. Park, Texas AgriLife Research and Extension Center at Vernon; Bruce A. McCarl and Stephen H. Amosson, Texas A&M University*

Modeling Forestry in Dynamic General Equilibrium: A Climate Change Policy Analysis

*Adam J. Daigneault and James A. Lennox, Landcare Research; James Turner, AgResearch New Zealand*

Predicting the Effects of Climate Change on Crop Yields Using Geographically Weighted Panel Regression

*Ruohong Cai, Princeton University; Danlin Yu, Montclair State University; Michael Oppenheimer, Princeton University*

The Impacts of Climate Change on Agricultural Production in the Southeast United States

*Jaehyuk Lee, Denis A. Nadolnyak, and Valentina M. Hartarska, Auburn University*

## 1026 The Economics of Biofuels Production

Washington State Convention Center, Room 617

### Selected Paper Session

This session includes economic analyses of biofuels production, including the performance of ethanol plants and implications of biofuels for land use and the environment.

**Moderator:** Juan Pablo Sesmero, Purdue University

#### Presentations:

Economic Considerations of Soil Nutrient Mining and Remobilization Associated with Switchgrass Feedstock Production

*Jon T. Biermacher, Mohua Haque, and Maru Kering, The Samuel Roberts Noble Foundation; John A. Guretzky, University of Nebraska*

Environmental Impacts of Cellulosic Feedstock Production: A Case Study of a Cornbelt Aquifer

*Jin-Young Moon, University of Minnesota; Solomon Folle, Stone Environmental, Inc; Jeffrey Apland and David Mulla, University of Minnesota*

Analysis of Ethanol Plants' Shutdown Price

*Juan Pablo Sesmero, Purdue University; Richard K. Perrin and Lilyan E. Fulginiti, University of Nebraska*

## 1027 Impacts of Free Trade Agreements

Washington State Convention Center, Room 618

### International Section and Senior Section Track Session

This session examines the impacts of free trade agreements (FTA) on major topics included in U.S. FTAs: agriculture, the environment and labor. These are included in U.S. agreements with and, while they are contentious, labor and the environment are required under the 2002 Trade Promotion Act. They became very important issues during the NAFTA negotiations and have had significant impacts in Mexico, the ten FTAs approved following NAFTA and are important in the three (Colombia, Panama and South Korea) approved by Congress in 2011. Agricultural trade, both imports and exports, have increased in volume and value and are important to the U.S. trade position, producing a surplus in contrast to the deficits in most other sectors.

**Organizer:** Dale Colyer, West Virginia University

**Moderator:** P. Lynn Kennedy, Louisiana State University

#### Presentations:

Impacts of FTAs on Agricultural Trade

*William A. Amponsah, Georgia Southern University*

Environmental Provisions in U.S. FTAs

*Dale Colyer, West Virginia University*

Role of Labor in U.S. FTAs

*Luis A. Ribera and Marco A. Palma, Texas A&M University*



## **1028 Climate and Development**

*Washington State Convention Center, Room 619*

### **Selected Paper Session**

Topics in this session include climate change mitigation and development.

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

#### **Presentations:**

Technology Adoption and Climate-Related Policy Evaluation among East African Smallholders: A Bioeconomic Model of the Trade-offs between Trees and Subsistence

*Isabel Call, Stephen A. Vosti, and Steve Boucher, University of California, Davis; Eike Luedeling, World Agroforestry Centre*

Climate Change Mitigation Policies and Global Poverty

*Zekarias M. Hussein, Alla Golub, and Thomas W. Hertel, Purdue University*

Conserving Forests: Mandates, Management, or Money?

*Katherine R. Baylis and Jordi Honey-Roses, University of Illinois at Urbana-Champaign; Isabel Ramirez, UNAM, Morelia*

## **1029 Crop Insurance and Farm Programs**

*Washington State Convention Center, Room 620*

### **Extension Section Track Session**

The objective of this symposium is to discuss the relative roles and performance of crop insurance and farm programs in the farm safety net and their potential roles in the agricultural support programs of the future. Three key topics will be addressed in this symposium: 1) a discussion of the expected interaction of crop insurance and farm programs that likely will emerge from the 2012 Farm Bill; 2) the impact on the private delivery system of program changes and budget cuts, and 3) an assessment of the respective roles of the public and private sectors in the delivery of agricultural support programs over the long run.

**Organizer:** Laurence M. Crane, National Crop Insurance Services

**Moderator:** Keith J. Collins, National Crop Insurance Services

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

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

## 1030 Effective Extension Program Responses to the Changing Composition of Agricultural Producers

*Washington State Convention Center, Room 204*

### Organized Symposium

Growers are actively seeking assistance to help them navigate through today's challenging economic environment. Increasing ethnic diversity of farm operators as well as the growth of female operators adds additional complexity to risk management education efforts geared toward Southern agricultural producers. Risk management education and outreach efforts must be intentional in engaging these diverse audiences. Discussion during the session will focus on key issues facing diverse producer groups and successful approaches for effective outreach.

**Organizers:** Ronald L. Rainey, University of Arkansas

**Panelists:** Shannon J. Neibergs, Washington State University; Kevin Klair, University of Minnesota; Damona Doye, Oklahoma State University; Ronald L. Rainey and Harold L. Goodwin, Jr., University of Arkansas

## 1031 Innovations in the Classroom: New Methods for Changing Times

*Washington State Convention Center, Room 211*

### Selected Paper Session

This session features four papers exploring new teaching techniques in and out of the classroom. These papers will discuss innovative approaches to curricula designed to reengage student's interest and willingness to learn.

**Moderator:** Molly Espey, Clemson University

#### Presentations:

Students' Preferences and Willingness to Pay for College Course Attributes

*John T. Mann, II and Shida Rastegari Henneberry, Oklahoma State University*

The Inverted Agricultural Economics Classroom

*Justin G. Gardner, Middle Tennessee State University*

Using Social Media to Enhance Learning through Collaboration in Higher Education: A Case Study

*Marianne McGarry Wolf, Mitchell J. Wolf, and Tom Frawley, California Polytechnic State University, San Luis Obispo; Ann Torres, National University of Ireland Galway; Shane M. Wolf, ValuePulse*

Team-based Learning, Team Composition, and Team Success: What Really Matters?

*Molly Espey, Clemson University*

## 1032 Organizing and Teaching Courses for Beginners

*Washington State Convention Center, Room 212*

### GSS Track Session

This session will feature presentations, discussions, and question-and-answer sessions to help new teachers plan, organize, and implement courses from the ground up. The session will cover where to start when planning courses, designing quizzes and tests, preparing lectures, managing time between teaching and research, tricks of the trade, and general guidelines to follow in order to create a positive teaching and learning experience.

**Organizer:** Beth L. Nielsen, University of Georgia

**Panelists:** Michelle L. Santiago, Sam Houston State University; Wesley Burnett, West Virginia University; Gregory J. Colson, University of Georgia; Kathleen R. Brooks, West Texas A&M University

## 1033 The Economics of Dietary Quality

*Washington State Convention Center, Room 213*

### Selected Paper Session

Four papers examining the economics of diet quality are presented. The papers explore the roles of public programs and public policy in determining the quality of diets, and they examine decision making about dietary quality and changes in the distribution of dietary quality over time.

**Moderator:** Trenton G. Smith, University of Otago

#### Presentations:

SNAP and Diet Quality: An Instrumental Variables Approach  
*Christian A. Gregory, Michele L. Ver Ploeg, Margaret S. Andrews, and Alisha Coleman-Jensen, USDA-Economic Research Service*

Alcohol Consumption and Food-at-Home Dietary Quality  
*Richard J. Volpe, III and Michael K. Adjemian, USDA-Economic Research Service*

Distributional Changes in U.S. Diet Quality 1989–2008: Implications for Public Policy and Economic Initiatives

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

'Hidden Quality' in the History of American Food: Consumer Search vs. Industry Obfuscation?

*Trenton G. Smith, University of Otago; Attila Tasnadi, Corvinus University of Budapest*

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

### **1034 The Emerging Role of KRU in Global Food Security: Prospects and Problems**

*Washington State Convention Center, Room 214*

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

The food and financial crises of 2008 and 2009 led to social problems and unrest in scores of countries, and have added millions of people to the number of hungry and undernourished in the world while reversing progress towards the Millennium Development Goals hunger target. One source of promise in the coming years is the underutilized potential of the grain growing areas of Kazakhstan, Russia and Ukraine (KRU), which have increased their exports substantially in recent years. This hopeful sign is offset by the policy reactions of this region, which have sometimes restricted exports just when global markets need them most. Thus there is both promise and concern about the future role of this region as a reliable supplier in the face growing world demand for food. This session is designed to bring a comprehensive perspective to these related issues by having a panel of experts on Europe and Central Asia, global food security and the outlook for food and commodity markets. Each presentation will explore more generally the past policy reactions to prices surges and the impacts on food security in other countries and how such policies may evolve in the future.

**Organizer:** William H. Meyers, University of Missouri

**Moderator:** Andrew Schmitz, University of Florida

**Discussant:** Sergey Strokov, Russian Embassy

#### **Presentations:**

Agricultural Recovery in Kazakhstan's Grain Region  
*Martin Petrick, Leibniz Institute of Agricultural Development in Central and Eastern Europe*

Russia and the World Agriculture Economy: Big Exporter, Bigger Importer  
*Andrew Wark, Canadian Grain Board; Andrew Schmitz, University of Florida*

The U in KRU: Ukraine's Prospects for Grain Trade Expansion  
*William H. Meyers, University of Missouri*

### **1035 Immigration Issues and Options for Agriculture and Agribusiness**

*Washington State Convention Center, Room 303*

#### **Invited Paper Session/Senior Section Track Session**

This session will address the uniqueness of agricultural labor, policy options being considered, and problems in modeling.

**Organizer:** Ronald D. Knutson, Texas A&M University

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

**Discussant:** Mary Clare Ahearn, USDA-Economic Research Service

#### **Presentations:**

Uniqueness of Agricultural Labor Markets  
*Dennis U. Fisher and Ronald D. Knutson, Texas A&M University*

Immigration Reform Policy Options  
*Phillip Martin, University of California, Davis; Ronald D. Knutson, Texas A&M University*

Problems of Modeling U.S. Farm Labor Markets  
*Thomas Hertz and Steven S. Zahniser, USDA-Economic Research Service*

### **1036 Structural Changes in the Agri-food System and the Future of Cooperatives**

*Washington State Convention Center, Room 304*

#### **AEM Section Track Session**

The global agri-food system has seen tremendous changes in the last decade, including technological and institutional changes, globalization, consolidation, vertical coordination and the emergence of new organizational forms. In addition, commodity markets have become increasingly volatile leading to higher levels of uncertainty. At the same time, population growth and rising incomes primarily in developing countries and changing food habits in the developed world suggest a wide array of opportunities for growth. Agri-food system participants that successfully adapt to these changes are able to survive and benefit from these emerging opportunities. This session will discuss structural changes occurring at the farm level and in upstream and downstream stages of the agri-food value chain. Presenters will also analyze the effects and implications of these changes to farmer-owned cooperatives and how they are adapting to a more global and uncertain environment.

**Organizer:** Fabio R. Chaddad, University of Missouri

**Moderator:** Fabio R. Chaddad, University of Missouri

#### **Presentations:**

Structural Changes in Agribusiness: Challenges and Opportunities for Cooperatives  
*Michael Boehlje, Purdue University*

The Future of U.S. Agricultural Cooperatives: An Update  
*Michael L. Cook, University of Missouri*

Structural Changes in U.S. Agriculture and Their Implications for Cooperatives  
*Michael E. Sykuta, University of Missouri*

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

### 1037 Rethinking Decoupling of Agri-food Policies in an Age of Food Price Volatility?

*Washington State Convention Center, Room 305*

#### IAAE Organized Symposium

Policy-makers are under pressure globally to protect producers and consumers from volatile food prices. This is fueling discussions in various countries to move away from decoupled farm support to support which is conditional on market prices. At the same time accession to the WTO is inducing countries to move to more decoupled support for farmers. This session discusses trends and challenges for the future.

**Organizer:** Johan F. M. Swinnen, University of Leuven

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

**Panelists:** Joseph W. Glauber, USDA-Office of the Chief Economist; Alfons Weersink, University of Guelph; Kym Anderson, University of Adelaide/Australian National University/CEPR

**Discussant:** Keijiro Otsuka, National Graduate Institute for Policy Studies

#### Presentations:

Political Economy and the Impact of the WTO on Decoupling: Cross-country Evidence

*Johan F. M. Swinnen, University of Leuven*

China's WTO Accession and Decoupling of Agricultural Support

*Scott D. Rozelle, Stanford University*

### 1038 Wine Marketing and Policy

*Washington State Convention Center, Room 307*

#### Extension Section and FAMPS Track Session

This session includes four presentations with a focus on wine marketing and policy, with implications for the wine industry. The first paper considers how consumers respond to information about appellations for wine from emerging production regions. The authors use auction data that uses three treatments to disentangle the effects of information related to domestic appellations and to more established appellations in Europe. The second paper examines how customer satisfaction in wineries' tasting rooms in the Finger Lakes region in New York impacts sales. The third paper estimates willingness to pay for wines with reduced SO<sub>2</sub> content and investigates whether sulfite reduction represent a viable differentiation strategy in wine markets. The fourth paper explores the operation of U.S. drawbacks of import duties and excise taxes for wine by examining wine imports and exports and the patterns of import and export prices.

**Organizer:** Bradley J. Rickard, Cornell University

**Moderator:** Catherine A. Durham, Oregon State University

#### Presentations:

Reputation Spill-overs in Consumers' Valuation of Wine  
*Bradley J. Rickard, Cornell University; Jill J. McCluskey, Washington State University; Richard Patterson, Cornell University*

Customer Satisfaction and Tasting Room Sales  
*Miguel I. Gomez and Marin Shapiro, Cornell University*

Estimating Willingness to Pay for Reduced Sulfite Content in Wine

*Marco Costanigro, Christopher Appleby, and Dawn D. Thilmany McFadden, Colorado State University*

Import Duty and Tax Drawbacks in U.S. Wine Trade

*Daniel A. Sumner, University of California, Davis*

### 1039 Job Interviewing Tips

*Washington State Convention Center, Room 308*

#### GSS Track Session

This session includes presentations, discussions, and question-and-answer sessions from employers who were at the 2011 AAEA Employment Center or have been involved in the hiring process in the last year. It will feature tips about qualities interviewers liked and disliked and insight into what employers are looking for in a successful candidate.

**Organizer:** Brian R. Williams, Oklahoma State University

**Panelists:** Rodney L. Clouser, University of Florida; William A. Masters, Tufts University; Larry W. Van Tassel, University of Nebraska

## **1040 Foreign Direct Investment and Agricultural Trade in Africa**

*Washington State Convention Center, Room 309*

### **COSBAE Track Session**

The recent global financial crisis has buffeted many Sub-Saharan Africa (SSA) countries through declining terms of trade, reduced demand for exports, falling foreign direct investment (FDI), remittances from workers abroad and aid flows, reduced access to global financial markets, and access to trade credits. To restore their economic potentials and bring their economies on high growth paths, SSA countries have been undertaking structural reforms to enhance competition in the financial sector, streamlining labor market regulations, and enhancing economic diversifications through ongoing processes of regional integration. The recent upsurge in commodity prices provides additional opportunities for the leading producers to expand trade. The session will explore the implications arising from market expansion in attracting FDI and enhancing trade to SSA.

**Organizers:** William A. Amponsah, Georgia Southern University; Andrew Muhammad, USDA-Economic Research Service

**Moderator:** Carlisle A. Pemberton, University of the West Indies

**Discussant:** Hazel Patterson-Andrews, University of the West Indies

### **Presentations:**

Will Trade Integration Make Sub-Saharan Africa an Attractive Destination for Foreign Direct Investment?

*William A. Amponsah, Georgia Southern University; Pablo Garcia-Fuentes, Southeastern Louisiana University*

Competition between Seasonal and Non-seasonal Exporters: A Focus on South African Apple Exports to the EU

*Andrew Muhammad, USDA-Economic Research Service; Guylain K. Ngeleza, International Food Policy Research Institute; James Kiaanu, USDA-Economic Research Service*

African Regionalization and U.S. Meat and Poultry Exports

*Christopher G. Davis, USDA-Economic Research Service*

## **1041 Managing Assigned Risk in Food: Mitigation and Indemnification**

*Washington State Convention Center, Room 310*

### **ARA Section and FSN Section Track Session**

Food safety is something we all desire and yet there are numerous challenges and issues that need to be addressed today and as the systems we depend on continue to evolve. Implementing strategies and assigning responsibilities within the systems that produce and deliver the basic foods we require to sustain life (and a large portion of several economies) necessitate we address the risks and mitigation protocols for various agents. This session will start with a 5-minute overview of The Food Safety Modernization Act from discussant Sandy Hoffmann, followed by a sequence of four papers on how producers, food companies, consumers and others will be directly impacted by new programs and standards regarding foods. Presentations from those researching food safety protocols will provide additional insights and frame questions for continued research through examination of producer indemnification for food safety events and the role of private standards; the management of zero-tolerance rules when detection can be impractical or impossible; and the costs of adopting food safety programs at the farm-level.

**Organizer:** Samuel M. Funk, Doane Advisory Services

**Moderator:** Sandra Hoffmann, USDA-Economic Research Service

**Discussant:** Sandra Hoffmann, USDA-Economic Research Service

### **Presentations:**

Attributing Foodborne Illness to Foods Using Time Series Data on Food Consumption and Foodborne Illness

*Peter Berck, University of California, Berkeley; Dana Cole, Centers for Disease Control and Prevention; Sandra Hoffmann and Jessica E. Todd, USDA-Economic Research Service*

Producer Indemnification for Food Safety Events and the Role of Private Standards

*Peyton M. Ferrier, USDA-Economic Research Service*

Zero-tolerance Rules and the Challenge of Detection: Lessons from Gluten-free Products

*Norbert L.W. Wilson and Michelle R. Worosz, Auburn University*

Costs of Adopting Food Safety Programs for Lettuce Growers—Large and Small

*Linda Sue Calvin, USDA-Economic Research Service; Helen H. Jensen, Iowa State University; Karen Klonsky, University of California, Davis*

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

## **1042 Common Pool Resources and Ecology** *Washington State Convention Center, Room 602*

### **AERE Session**

**Moderator:** James E. Wilen, University of California, Davis

#### **Presentations:**

Marine Reserves as a Cooperation Mechanism in Transboundary Fisheries

*Rebecca Toseland and Christopher Costello, University of California, Santa Barbara*

Resource Rents, Inframarginal Rents, and the Transition to Property Rights in a Common Pool Resource

*Corbett Grainger, University of Wisconsin; Christopher Costello, University of California, Santa Barbara*

A Spatial Dynamic Bioeconomic Analysis of an Emerald Ash Borer Invasion of an Urban Forest

*Kent Kovacs, University of Minnesota; Robert Haight, U.S. Forest Service; Rodrigo Mercader, Washburn University*

An Assessment of Ecosystem Services Associated with Wetlands in USFWS National Wildlife Refuges

*Douglas A. Patton, John C. Bergstrom, Alan Covich, and Rebecca L. Moore, University of Georgia*

## **1043 Leadership, Management, and Employer Expectations in Agribusinesses** *Washington State Convention Center, Room 603*

### **Selected Paper Session**

The papers in this session examine leadership, employee recruitment, management transitions, and the impact of management on margins, all key factors in determining the success of agribusinesses.

**Moderator:** Maury E. Bredahl, University of Guelph

#### **Presentations:**

Corporate Social Responsibility, Environmental Leadership, and Financial Performance

*Dafna M. DiSegni and Sagi Akron, University of Haifa; Moshe Huly, Tel Aviv University*

Choosing a Successor: Factors and Influences on Farm and Agribusinesses

*Renee Foltz and Maria I. Marshall, Purdue University*

Employers Expectations and the Attributes of College Graduates

*Jay E. Noel and Eivis Qenani, California Polytechnic State University, San Luis Obispo*

Influence of Management on Ontario Beef Operation Margins

*Leonie A. Marks, Leonie Marks-Jenkins Consulting; Maury E. Bredahl, University of Guelph*

## **1044 Decision Making: Production, Investment, and Finance** *Washington State Convention Center, Room 604*

### **Selected Paper Session**

This session focuses on decision making in agriculture, covering production, investment, and finance decisions. Three papers investigate what factors influence crop production choices, farm machinery investment decisions, and farm borrowing decisions. Another paper studies choices and returns of agribusiness and farm related investment portfolios.

**Moderator:** Charles B. Moss, University of Florida

#### **Presentations:**

Determining Farmers' Willingness to Grow Cellulosic Biofuel Feedstocks on Agricultural Land

*Melissa Lyles, Jason S. Bergtold, Jeffery R. Williams, and Jason E. Fewell, Kansas State University*

Incentives for Machinery Investment

*Joleen C. Hadrich, Ryan Larsen, and Frayne E. Olson, North Dakota State University*

Momentum Anomaly in Agriculture Financial Economics

*Bruno Arthur and Ani L. Katchova, University of Kentucky*

Capital Structure in Modern American Agriculture: Evidence from a National Survey

*Charles B. Moss, University of Florida; Ashok K. Mishra and Hiroki Uematsu, Louisiana State University*

## **1045 International and Development Issues** *Washington State Convention Center, Room 606*

### **Selected Paper Session**

This session discusses issues in international markets: trade in South Korea, structural change in Chinese food preferences, livestock marketing in Zambia, and electricity in India.

**Moderator:** Rubaba Ali, University of Maryland

#### **Presentations:**

Implications of the U.S.-South Korean Free Trade Agreement on South Korean Dairy Product Import

*Keithly G. Jones and Donald P. Blayney, USDA-Economic Research Service*

Structural Change in Chinese Food Preferences

*Vardges Hovhannisyian and Brian W. Gould, University of Wisconsin*

Factors Influencing Livestock Marketing Dynamics in Zambia

*Mary Lubungu, Indaba Agricultural Policy Research Institute*

Demand for Electricity and Its Impact on Welfare: Evidence from Rural India

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

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

## 1046 Stated Preferences

*Washington State Convention Center, Room 607*

### Selected Paper Session

This session focuses on current trends in choice experiments. Topics include the role of information and on-site experience in contingent valuation, an application to conservation easements, and a study of the impact of an oil spill on recreational fishing.

**Moderator:** Sergio Alvarez, University of Florida

#### Presentations:

Is the Valuation of Water Quality Sensitive to External Shocks? Evidence from Public Protests in Croatia

*Ioannis Kountouris, Imperial College London; Zoran Nakic, University of Zagreb; Johannes Sauer, University of Kiel*

A Nationwide Comparison of Farmland Conservation and Easement Valuation

*Yuan Yuan, Kevin J. Boyle, Wen You, and Harry F. Fuller, Virginia Tech*

Does On-site Experience Affect Responses to Stated-preference Questions?

*Xiaoshu Li and Kevin J. Boyle, Virginia Tech*

Estimating the Effects of the Deepwater Horizon Spill on Recreational Fishing Demand in Florida Using MRFSS Intercepts: A Random-utility Model of Site Choice

*Sergio Alvarez and Sherry L. Larkin, University of Florida; John C. Whitehead, Appalachian State University; Timothy C. Haab, The Ohio State University*

## 1047 Consumer Preferences for Food Attributes

*Washington State Convention Center, Room 608*

### Selected Paper Session

This session contains four papers on consumer preferences for different food attributes. Issues addressed are organic versus locally grown, animal welfare, traceability, and health benefits.

**Moderator:** Shannon M. Allen, University of Alberta

#### Presentations:

Are Consumers Willing to Pay for Organic When the Food is Already Local?

*Cristina Connolly and Allen Klaiber, The Ohio State University*

Consumers' Preferences for Shell Eggs Regarding Laying Hen Welfare

*Yan Heng, Hikaru Hanawa Peterson, and Xianghong Li, Kansas State University*

Stated Preference and Perception Analysis for Traceable Beef: An Application of Mixed Error-component Logit Model

*Kar Ho Lim, Wuyang Hu, and Leigh J. Maynard, University of Kentucky; Ellen W. Goddard, University of Alberta*

Consumer Preferences for Milk and Yogurt Attributes: How Health Beliefs and Attitudes Affect Choices

*Shannon M. Allen, Ellen W. Goddard, and Anna Farmer, University of Alberta*

## 1048 Farm Policy Debate: Direct Support vs. Deep-loss Protection vs. Shallow-loss Protection

*Washington State Convention Center, Room 609*

### Selected Paper Session

The 2012 Farm Bill debate is concerned with how best to provide support and risk management tools for producers, with a focus on shallow-loss programs such as ACRE vs. deep-loss programs such as crop insurance. The fourth paper examines the impact of direct payments on producers' labor allocation decisions.

**Moderator:** Hyunjeong Joo, Louisiana State University

#### Presentations:

Fiscal and Farm Level Consequences of "Shallow Loss" Commodity Support

*Joseph C. Cooper, Christopher G. Davis, and Benoit A. Delbecq, USDA-Economic Research Service*

Yield Aggregation Impacts on a "Deep Loss" Systemic Risk Protection Program

*Yang Wang, Barry J. Barnett, Keith H. Coble, and Ardian Harri, Mississippi State University*

Negotiation Cost to ACRE Participation: Does a Larger Number of Signatories on a Base Acre Contract Decrease the Likelihood of Participation in ACRE?

*Anne B. Effland and Christine M. Arriola, USDA-Economic Research Service*

Welfare Implications of a Reduction in Government Payments: The Role of Fringe Benefits

*Jeremy M. D'Antoni, Ashok K. Mishra, Hyunjeong Joo, and Rebekah Powell, Louisiana State University*

## 1049 At the Intersection of Environmental and Agricultural Policy

*Washington State Convention Center, Room 611*

### Selected Paper Session

This session features a selection of papers that look at the environmental impact of agriculture. The papers discuss carbon pricing and land use under the conservation reserve program.

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

#### Presentations:

Welfare Changes Associated with Forest Carbon Offset Credits in the United States

*Jerome R. Dumortier, Indiana University-Purdue University Indianapolis*

Carbon Market Policy Design: Investigating the Role of Payments Aggregation

*Cloe Garnache and Pierre R. Merel, University of California, Davis*

Should We Pay Farmers Not to Farm? A Case of the Conservation Reserve Program

*Lance Weaver, Jody L. Campiche, and Michael R. Dicks, Oklahoma State University*

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

## 1050 Issues in Household Decision Making, Health, and Illegal Farm Workers

Washington State Convention Center, Room 612

### Selected Paper Session

This session analyzes issues in household's decision-making on food expenditures, farm production, and health care. The value of legal status to farm workers in the U.S. is also analyzed.

**Moderator:** Steven T. Yen, University of Tennessee

#### Presentations:

Delivery at Home vs. Delivery at a Health Care Facility—A Case Study of Bihar, India

*Sapna Kaul, Wen You, and Kevin J. Boyle, Virginia Tech*

Spousal Accord and Farm Decision-making in Tanzania and Mali

*C. Leigh Anderson, University of Washington; Travis W. Reynolds, Colby College; Mary Kay Gugerty, University of Washington*

Food Expenditures Away from Home by Elderly Households

*Steven T. Yen, Panagiotis Kasteridis, and John Riley, University of Tennessee*

## 1051 Risk, Insurance, and Savings

Washington State Convention Center, Room 613

### Selected Paper Session

Mitigating risk is a major challenge for developing country farmers. This session explores index insurance, demand for insurance, and savings as strategies for coping with vulnerability.

**Moderator:** Sarah A. Janzen, University of California, Davis

#### Presentations:

On the Efficient Management of Natural Disaster Risk Using Credit and Index Insurance

*Benjamin Collier and Jerry R. Skees, University of Kentucky; Mario J. Miranda, The Ohio State University*

Do Experimental Games Increase Take-up Rates for Index Insurance? A Randomized Control Trial Approach

*Michael Norton, Daniel E. Osgood, and Rabel Diro, Columbia University*

Effects of Formal Savings in Villages on Production Choices of Non-savers: Does Improving Safety Nets Spur Non-farm Business?

*Jeffrey A. Flory, University of Chicago*

Valuing Asset Insurance in the Presence of Poverty Traps: A Dynamic Approach

*Sarah A. Janzen and Michael R. Carter, University of California, Davis; Munenobu Ikegami, International Livestock Research Institute*

## 1052 Labor and Migration

Washington State Convention Center, Room 614

### Selected Paper Session

In a globalized world labor markets and migration play a significant role in determining welfare outcomes. This session focuses on the value of labor, migration, and interactions between migrants and non-migrant households.

**Moderator:** Ian Coxhead, University of Wisconsin

#### Presentations:

Labor Migration Choice and Its Impacts on Households in Rural China

*Zhao Rong, Southwestern University of Finance and Economics; Liu Yang, Annandale Capital, Inc.; Yan Yuan, Southwestern University of Finance and Economics*

The Interaction between Migrants and Origin Households: Evidence from Linked Data

*Joyce Chen, The Ohio State University*

Globalization, Wages and Skill Premia in a Transition Economy: New Evidence from Vietnam

*Diep N. Phan, Beloit College; Ian Coxhead, University of Wisconsin*

## 1053 Management of Agricultural Diseases

Washington State Convention Center, Room 615

### Selected Paper Session

This group of papers uses economic analysis to determine optimal disease management strategies and market equilibria.

**Moderator:** Sergio Colin-Castillo, Centro de Estudios Socio Economicos

#### Presentations:

A Dynamic Model of Pudrición del Cogollo Disease Control in the Colombian Palm Oil Industry

*Mauricio Mosquera, Kelly A. Grogan, Edward A. Evans, and Thomas H. Spreen, University of Florida*

An Agent-based Model of Plant Disease Diffusion and Control: Grapevine Leafroll Disease

*Shadi S. Atallah, Miguel I. Gomez, and Jon M. Conrad, Cornell University*

Infectious Disease Detection with Private Information

*Alexander E. Saak, International Food Policy Research Institute*

Do Marketing Margins Change with Food Scares? Examining the Effects of Food Recalls and Disease Outbreaks in the U.S. Red Meat Industry

*Sergio Colin-Castillo, Centro de Estudios Socio Economicos; Manuel A. Hernandez, International Food Policy Research Institute; Oral Capps, Jr., Texas A&M University*



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

## 1054 Fisheries

Washington State Convention Center, Room 616

### Selected Paper Session

This group of papers models optimal fisheries management strategies.

**Moderator:** Marcelo O. Torres, University of Brasilia

#### Presentations:

Modeling Policy Options for the Galapagos Fisheries: The Case of the Red Spiny Lobster

*Santiago J. Bucaram, James N. Sanchirico, and James E. Wilen, University of California, Davis*

Optimal Management of Oysters in Chesapeake Bay Incorporating Sanctuaries, Reserves, Aquaculture, and Externalities

*Nikolaos Mykoniatis and Richard C. Ready, Penn State University*

Productivity Growth and Product Choice in Fisheries: The Case of the Alaskan Pollock Fishery Revisited

*Marcelo O. Torres, University of Brasilia; Ronald G. Felthoven, NOAA Fisheries*

## 1055 Economic Analysis of Yields, Acreage, and Risk

Washington State Convention Center, Room 617

### Selected Paper Session

This session brings together papers that apply appropriate econometric methods to evaluate crop yields, crop acreage, and farmer risk structure.

**Moderator:** Barry K. Goodwin, North Carolina State University

#### Presentations:

Modeling Corn Acreage Response in a New Market Environment

*Joseph C. Cooper, USDA-Economic Research Service; Barry K. Goodwin and Nicholas E. Piggott, North Carolina State University*

More Than Mean Effects: Modeling the Effect of Climate on the Higher Order Moments of Crop Yields

*Jesse B. Tack, Ardian Harri, and Keith H. Coble, Mississippi State University*

Are Yields Endogenous to Price? An Empirical Evaluation of Inter- and Intra-Seasonal Corn Yield Response

*Barry K. Goodwin, Michele C. Marra, and Nicholas E. Piggott, North Carolina State University*

## 1056 Heterogeneity and Aggregation in Dynamic Econometric Models

Washington State Convention Center, Room 618

### Selected Paper Session

How does heterogeneity over space and time affect econometric estimates and forecasts? Should an econometrician use the least aggregated data possible? The papers in this session answer these questions in the context of crop rotation, land development, and commodity prices.

**Moderator:** Seung Gyu Kim, USDA-Economic Research Service

#### Presentations:

Comparing the Bias of Dynamic Panel Estimators in Multilevel Panels: Individual vs. Grouped Data

*Nathan P. Hendricks, Kansas State University; Aaron D. Smith, University of California, Davis*

Conclusive Evidence on the Benefits of Temporal Disaggregation to Improve the Precision of Time Series Model Forecasts

*Octavio A. Ramirez, University of Georgia*

Permanent and Transitory Shocks in Spot Commodity Price Series

*Yoonsuk Lee and B. Wade Brorsen, Oklahoma State University*

Exploring Spatially Heterogeneous Effect of Property Tax Scheme on Land Development

*Seung Gyu Kim, USDA-Economic Research Service; Seong-Hoon Cho, University of Tennessee; Roger L. Claassen, USDA-Economic Research Service*

## 1057 Carbon Emissions Markets and Climate

Washington State Convention Center, Room 619

### Selected Paper Session

This session features papers that discuss topics in emissions markets and climate change.

**Moderator:** David F. Perkins, Purdue University

#### Presentations:

Fat-tail Climate Risks, Mechanism Design, and Reputation

*Prasenjit Banerjee, University of Manchester; Jason F. Shogren, University of Wyoming*

The Adverse Impact of Gradual Temperature Change on Capital Investment

*Ronald Balvers, West Virginia University; Ding Du and Xiaobing Zhao, Northern Arizona University*

An Experimental Investigation of Hard and Soft Price Ceilings in Emissions Permit Markets

*David F. Perkins, Timothy N. Cason, and Wallace E. Tynes, Purdue University*

## **1058 Contract Design and Technology Adoption under Uncertainty**

*Washington State Convention Center, Room 620*

### **Selected Paper Session**

Market uncertainty influences optimal contract designs and the decisions to adopt new technology. These papers investigate the manner in which risk affects participants in the livestock and energy markets.

**Moderator:** Nicholas D. Paulson, University of Illinois at Urbana-Champaign

#### **Presentations:**

Designing Coordination Contracts to Support Efficient Flow-scheduling in Pork Chain

*Jarkko K. Niemi, Agrifood Research Finland*

Adoption of Energy-saving Technologies under Market and Regulatory Risk

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

Livestock Gross Margin Insurance for Dairy: Designing Margin Insurance Contracts to Account for Tail Dependence Risk

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

Optimal Contracts to Induce Biomass Production under Risk

*Xi Yang, Nicholas D. Paulson, and Madhu Khanna, University of Illinois at Urbana-Champaign*

# Concurrent Sessions—Monday, 4:30 pm–6:00 pm

## 1059 Land Use and Fire Management

*Washington State Convention Center, Room 204*

### AERE Session

**Moderator:** Kathleen P. Bell, University of Maine

#### Presentations:

Prescribed Fire in a Florida Landscape with Mixed Ownership: Spatial Interactions

*Richelle M. Geiger and Gwenlyn Busby, Virginia Tech; D. Evan Mercer, Southern Research Station*

The Economics of Fuel Management: Wildfire, Invasive Species, and the Evolution of Sagebrush Rangeland in the Western United States

*Kimberly S. Rollins, Michael H. Taylor, and Mimako Kobayashi, University of Nevada, Reno; Robin J. Tausch, U.S. Forest Service*

Land Use, Climate Change, and Ecosystem Services

*Witsanu Attavanich, Rutgers University; Benjamin S. Rashford, University of Wyoming; Richard M. Adams, Oregon State University; Bruce A. McCarl, Texas A&M University*

Forest-based Mitigation in European Climate Policy Framework: Insights from a CGE Improved with Land Use Modeling

*Melania Michetti, Università Cattolica del Sacro Cuore*

## 1060 Outlook for Ethanol and Biodiesel under the Energy Independence and Security Act of 2007 (EISA)

*Washington State Convention Center, Room 211*

### Extension Section and Senior Section Track Session

This Track Session addresses the issues and challenges for grain-based ethanol, cellulosic ethanol, and biodiesel to meet the mandates to the year 2022 under the Energy Independence and Security Act of 2007. Issues include the ethanol blend wall transition from 10 percent to 15 percent, the role of E-85 and prospects for ethanol trade. On cellulosic conversion, costs of enzymes, development of infrastructure and possibilities for reaching the 16 billion gallon RFS2 will be examined. The extent to which biodiesel will fill the advanced biofuel mandate other than cellulosic will be postulated along with the prospects for DDGS corn oil as a feedstock.

**Organizer:** John N. Ferris, Michigan State University

**Moderator:** Vernon R. Eidman, University of Minnesota

**Discussant:** Vernon R. Eidman, University of Minnesota

#### Presentations:

Grain-based Ethanol

*Robert N. Wisner, Iowa State University*

Cellulosic Ethanol

*Wallace E. Tyner, Purdue University*

Biodiesel

*John N. Ferris, Michigan State University*

## 1061 The European Economic and Financial Crisis and Its Impact on Agriculture in the United States, the European Union, and the Nations of the Former Soviet Union

*Washington State Convention Center, Room 212*

### Organized Symposium

Historical and global events leading up to the European crisis, and implications for U.S., EU, and Eastern European agriculture, as well as for global agricultural trade, will be discussed.

**Organizer:** Evert Van Der Sluis, South Dakota State University

**Moderator:** Terry L. Roe, University of Minnesota

**Panelists:** William H. Meyers, University of Missouri; Evert Van Der Sluis, South Dakota State University; Mathew D. Shane, USDA-Economic Research Service; Martin Petrick, Leibniz Institute of Agricultural Development in Central and Eastern Europe

## 1062 Nonparametric Methods for Simulation and Imputation

*Washington State Convention Center, Room 213*

### Selected Paper Session

Misspecified models can produce spurious econometric results. The papers in this session use nonparametric methods to avoid misspecification when modeling yield distributions, estimating willingness to pay, and imputing missing data.

**Moderator:** Barry K. Goodwin, North Carolina State University

#### Presentations:

Nonparametric Estimation of Crop Yield Distributions: A Panel Data Approach

*Ximing Wu, Texas A&M University*

Implications of Missing Data Imputation for Agricultural Household Surveys: An Application to Technology Adoption

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

An Information-theoretic Approach to Modeling Binary Choices: Estimating Willingness to Pay for Recreation Site Attributes

*Miguel Henry-Osorio and Ron C. Mittelhammer, Washington State University*

A Simplified, General Approach to Simulating from Multivariate Copula Functions

*Barry K. Goodwin, North Carolina State University*

# Concurrent Sessions—Monday, 4:30 pm–6:00 pm

## **1063 Using Surveys to Establish a Successful Research Agenda**

*Washington State Convention Center, Room 214*

### **AEM Section and GSS Track Session**

The establishment of a successful research agenda is paramount to any individual wishing to succeed in academia. Given the variety of techniques and concepts, survey methodology as a form of primary data collection often intimidates researchers. This session will discuss how individuals can use surveys as a tool to help establish a successful research agenda. Topics discussed will include basic survey concepts, use of design and incentives to influence responses and response rates, and effectiveness of survey modes. Researchers will also discuss their effective use of surveys with groups at different stages in the supply chain, as well as tips and pitfalls of the survey process.

**Organizers:** Michelle L. Santiago, Sam Houston State University; Aslihan D. Spaulding, Illinois State University

**Panelists:** Michelle L. Santiago, Sam Houston State University; Aslihan D. Spaulding, Illinois State University; Danna Moore, Washington State University; Wuyang Hu, University of Kentucky

## **1064 Attitudes, Perceptions, and Values: Determinants of Decision Making**

*Washington State Convention Center, Room 303*

### **Invited Paper Session**

Examining linkages between psychology and economic decision making in the context of producers and consumers provides an important comparison that could contribute to effective policies. In this session we aim 1) to highlight the role of values, perceptions and attitudes in producer and consumer decision making and 2) to compare the determinants of decisions in different contexts to illustrate the links between specific decisions and specific values or attitudes.

**Moderator:** Ellen W. Goddard, University of Alberta

**Discussant:** Wendy J. Umberger, University of Adelaide

### **Presentations:**

Risk Aversion, Subjective Beliefs, and Farmer Risk Management Strategies

*Luisa Menapace, University of Trento; Gregory J. Colson, University of Georgia; Roberta Raffaelli, University of Trento*

Risk Perceptions and Preferences for Ethical and Safety Credence Attributes

*Jill E. Hobbs, University of Saskatchewan; Ellen W. Goddard, University of Alberta*

Personal Values and Decision Making: Evidence from Environmental Footprint Labeling

*Carola Grebitus, University of Bonn; Bodo E. Steiner and Michele Veeman, University of Alberta*

## **1065 Transforming Climate Information for Production Decision-making: The U2U Project**

*Washington State Convention Center, Room 304*

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

Weather and climatic conditions are major sources of uncertainty in agricultural production. Climate science, computer modeling and agricultural technologies hold promise for better managing the uncertainty associated with weather. This symposium highlights some of the work being done to transform weather and climate information into more usable products for farmers through three presentations followed by a discussion with the audience. USDA-NIFA has recently funded the integrated research and extension project Useful to Usable (U2U): Transforming Climate Variability and Change Information for Cereal Crop Producers. This project is examining the interaction of weather and climate variables in agricultural production decisions across a twelve state region encompassing the Corn Belt. The objective of this session is to discover oversights in the current program and to garner insight into how weather and climate information can be transformed to create decision support tools through the outreach component of the project.

**Organizer:** Raymond E. Massey, University of Missouri

**Moderator:** Otto C. Doering, III, Purdue University

### **Presentations:**

Decision Calendar to Connect Intra- and Inter-seasonal Agricultural Weather/Climate Information

*Raymond E. Massey, University of Missouri*

Adaptive Strategies for Maximizing Productivity and Profitability While Reducing the Impact of Climate-related Risks

*Chad E. Hart, Iowa State University*

Field Workdays Decision Support Tools

*Ben Gramig, Purdue University*

## Concurrent Sessions—Monday, 4:30 pm–6:00 pm

### **1066 Radically Rethinking Agriculture in the Caribbean**

*Washington State Convention Center, Room 305*

#### **COSBAE Track Session**

The aim of this session is to acquaint participants with the changing dynamics of agriculture in the Caribbean region as efforts are made to reposition the sector to address problems such as high food import bill, massive unemployment in the sector and loss of foreign exchange resulting from the loss of preferential access and increasing uncertainty in the EU markets. Among other things, the discussion will center on critically assessing some of the strategies currently being employed or contemplated to address the aforementioned problems including examining the potential tradeoffs resulting from attempts to satisfy local food demands versus reorganizing production to exploit new opportunities arising in the United States for imported food commodities.

**Organizers:** Lurleen M. Walters, Florida A&M University; Edward A. Evans, University of Florida

**Moderator:** Keithly G. Jones, USDA-Economic Research Service

**Discussant:** Curtis M. Jolly, Auburn University

#### **Presentations:**

Factors Influencing Caribbean Food Insecurity  
*Lurleen M. Walters, Florida A&M University*

Is the Value Chain Approach the Panacea for Revitalizing Caribbean Agriculture?  
*Edward A. Evans, University of Florida*

Radical Directions for Agribusiness Extension in the Caribbean  
*Carlisle A. Pemberton, Hazel Patterson-Andrews, Afya De Sormeaux, and Sarojini Ragbir, University of the West Indies*

### **1067 Frontier Issues in International Nutrition: Research and Interventions in Africa**

*Washington State Convention Center, Room 307*

#### **FSN Section Track Session**

Nutritional conditions are changing rapidly around the world, driven by socioeconomic development and policy interventions. Agricultural economists have made notable contributions to understanding and shaping these changes. The four presentations in this session will address the experience and strategy of the Gates Foundation; the evolving role of nutrition in chronic disease; the influence of gender roles in agriculture on food production choices; and the role of information in the market for infant foods. These findings showcase AAEEA members' work in international nutrition, and point to new opportunities for research and intervention.

**Organizer:** William A. Masters, Tufts University

#### **Presentations:**

Gates Foundation in International Nutrition: Priorities and Linkages with Agriculture

*Shelley Sundberg, Bill & Melinda Gates Foundation*

Gender, Land Rights, and the Adoption of Biofortified Orange Sweet Potato in Uganda

*Agnes R. Quisumbing and Daniel O. Gilligan, International Food Policy Research Institute*

Food and Health: The Role of Nutrition in the Rise of Chronic, Non-communicable Disease

*Rachel Nugent, University of Washington*

The Market for Nutrients: Quality Certification and Child Feeding in Africa

*William A. Masters, Tufts University*

# Concurrent Sessions—Monday, 4:30 pm–6:00 pm

## **1068 Food and Nutrition Studies on Obesity** *Washington State Convention Center, Room 308*

### **Selected Paper Session**

In this session, two papers focus on obesity and nutrition education. One presentation addresses the relationship between food prices and energy, and another study estimates the cost of obesity. This session will also provide insight into nutrition education programs, while another presentation will investigate retailer actions with regard to various foods options.

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

### **Presentations:**

How Spurious is the Relationship between Food Price and Energy Density? A Simple Procedure and Statistical Test  
*George C. Davis, Virginia Tech; Andrea C. Carlson, USDA-Economic Research Service*

The Marginal External Cost of Obesity in the United States  
*Joanna Parks and Julian M. Alston, University of California, Davis; Abigail M. Okrent, USDA-Economic Research Service*

Evaluation of the Youth Expanded Food and Nutrition Education Program: What Contributes to Its Effectiveness?  
*Ranju Baral, George C. Davis, and Wen You, Virginia Tech*

Local, Organic, Inexpensive, and Safe: Can Large Retailers Do It All?

*Sebastien Pouliot, Iowa State University; Henry An, University of Alberta; Richard J. Volpe, III, USDA-Economic Research Service*

## **1069 Agriculture and Disaster Risk Reduction beyond Crop Insurance and Hedging: Can Agricultural Economics Help the Agriculture Sector Proactively Increase Its Resilience?** *Washington State Convention Center, Room 309*

### **International Section Track Session**

Natural hazards can have significant impacts on the long term development of regions and countries. Application of economics to assess the relative benefits of adaptation responses to these potential hazards have progressed but still require more research. Given the significance of the problem for food security and development this area of research and application is highly relevant to policy and decision makers. The purpose of this session is to explore how agricultural economics can be used to pro-actively estimate the potential impact of natural hazards and the relative value of alternative adaptation options for the agricultural sector ex-ante to support adaptation and disaster risk reduction.

**Organizer:** Harvey S. J. Hill, Agriculture Canada, AESB

### **Presentations:**

Climate and Agricultural Resilience: Insurance and Adaptation in Developing Countries  
*Daniel E. Osgood, Columbia University*

Agricultural System Resilience as a Private or Public Good: Policy Implications  
*John M. Antle, Oregon State University*

Risk Management of Specialty Crops with Geographic Diversification  
*Ryan Larsen, North Dakota State University*

Resilience Investing for Disaster Risk Reduction in Developing Countries' Agriculture Sectors  
*Harvey S. J. Hill, Agriculture Canada, AESB; Paul Christensen, University of Saskatchewan*

## 1070 Incorporating Technology in Teaching Applied Economics and Business

Washington State Convention Center, Room 310

### TLC Section Track Session

Various technology resources—clickers, simulation software, and online resources (websites, blogs, audio-visual aids)—are available to teach economic principles and business concepts. The speakers will explore the prescribed practices from economics and business teachers, and offer useful tips that can help teachers newer to using technology. This session extends the AAEA ‘Pre-conference Workshop: 2010 Teaching Academy—The Use of Simulations to Stimulate Student Learning and Engagement,’ as well as contributes to TLC’s recent efforts developing an online repository of materials for classroom teaching purposes.

**Organizers:** Subbu Kumarappan, The Ohio State University; Michael A. Gunderson, University of Florida

**Discussant:** Michael A. Gunderson, University of Florida

### Presentations:

Strategies to Enhance Pedagogy in Clicker Classrooms  
*Subbu Kumarappan, The Ohio State University*

Use of Technology for a Grain Trading Lab Exercise  
*Kevin Kimle, Iowa State University*

Graphical Simulation Models Created Using STELLA Software  
*Sahan T. M. Dissanayake, Portland State University*

## 1071 Learning Session: Bayesian Model Averaging

Washington State Convention Center, Room 602

### Econometrics Section Track Session

Econometrics is one of the cornerstones of our discipline. The large majority of the published work in our journals are applied in nature and make use of quantitative methods, particularly econometrics. This session is focused on learning how to use and apply a specific econometric technique, in this case Bayesian Model Averaging. We propose to have attendees bring their laptops and using R (given it is free) will learn how to perform Bayesian Model Averaging. This will not be a theory session. While this session is mainly targeted at non-econometrics section members, we suspect that many of the members in the econometrics section will also participate.

**Organizer:** Alan P. Ker, University of Guelph

### Presentation:

Hands on Bayesian Model Averaging  
*Jeffrey H. Dorfman, University of Georgia*

## 1072 Agribusiness Risk Issues

Washington State Convention Center, Room 603

### Selected Paper Session

There are many approaches that can be used by agribusiness firms to manage risk. This session examines how factors such as contract farming, disaster assistance, yield variability, and momentum profit.

**Moderator:** Fang Tang, University of Texas

### Presentations:

Managing Expected Switchgrass Biomass Yield Variability by Strategically Selecting Acres to Lease  
*Deepayan Debnath, Arthur Stoecker, and Francis M. Epplin, Oklahoma State University*

Disaster Assistance and Crop Insurance Participation in United States

*Pavan Kumar Reddy Dhanireddy, Washington State University*

Effect of Contract Farming on the Farmers’ Average Return: The Case of the Grain Industry in the United States

*Wu-Yueh Hu, Providence University, Taiwan*

Market Volatility and Momentum Profit

*Fang Tang, University of Texas; Jianhong Mu, Texas A&M University*

## 1073 Agri-environmental Schemes—Theory Lessons, Practical Experiences, and Implications for Future Policies

Washington State Convention Center, Room 604

### EAAE Organized Symposium

Agri-environmental schemes (AES), sometimes also denoted as payments for environmental services (PES), have been in operation for quite some time. How well have these schemes been designed from a theory perspective, and what are the practical experiences? These are the issues behind the following questions: How should AESs be formulated to reach stated policy objectives and meet the criteria of being targeted, transparent, tractable? What is needed in terms of knowledge/science to support the practical design of efficient and equitable AESs? If this knowledge is not available, what would be meaningful second-best policies and what are their pitfalls? What are the impacts of such schemes on commodity production and farm profits?

**Organizer:** Eirik Romstad, Norwegian University of Life Sciences

**Moderator:** Monika Hartmann, University of Bonn

**Panelists:** Alan Randall, University of Sydney; David Blandford, Penn State University; Roger L. Claassen, USDA-Economic Research Service; Eirik Romstad, Norwegian University of Life Sciences

# Concurrent Sessions—Monday, 4:30 pm–6:00 pm

## 1074 Price Analysis and Market Integration

Washington State Convention Center, Room 606

### Selected Paper Session

This session discusses market integration: relationships through time and space.

**Moderator:** Sonja M. Perakis, Michigan State University

#### Presentations:

The Income Shifting Option's Effect on January Forward Basis Bids

*Wenjiao Zhao, Mindy L. Mallory, and Scott H. Irwin, University of Illinois at Urbana-Champaign*

Basis Effects of Ethanol Plants in the U.S. Corn Belt

*Elizabeth D. Miller, Mindy L. Mallory, and Katherine R. Baylis, University of Illinois at Urbana-Champaign; Chad E. Hart, Iowa State University*

A New Approach to Investigate Market Integration: A Markov-Switching Autoregressive Model with Time-varying Transition Probabilities

*Jieyuan Zhao and Barry K. Goodwin, North Carolina State University*

Changing Spatial Maize Price Relationships in West Africa

*Sonja M. Perakis, Michigan State University*

## 1075 Experiments in Environmental Economics

Washington State Convention Center, Room 607

### Selected Paper Session

This session presents new experimental evidence on the provision of public goods and the allocation of common-pool resources. Field and laboratory experiments are used to assess new potential strategies for achieving environmental and welfare gains through alternative environmental policy designs with explicit consideration of behavioral confounding factors. Topical focuses include greenhouse gases and irrigation.

**Moderator:** Andrey A. Zaikin, Washington State University

#### Presentations:

Assessing a Provision Game for Two Units of a Public Good, with Different Group Arrangements, Marginal Benefits, and Rebate Rules: Experimental Evidences

*Pengfei Liu and Stephen K. Swallow, University of Connecticut; Christopher M. Anderson, University of Rhode Island*

Dynamic Voluntary Contribution to Public Goods with Stock Accumulation

*Juan C. Ruiz-Tagle, University of Maryland*

Private Provision of a Stochastic Common Property Resource

*Richard E. Howitt, University of California, Davis; Jonathan D. Kaplan, California State University, Sacramento; Stephan Kroll, Colorado State University*

The Carrot or the Stick: Water Allocation Strategies for Uzbekistan

*Andrey A. Zaikin and Ana Espinola-Arredondo, Washington State University*

## 1076 Consumer Demand Analysis

Washington State Convention Center, Room 608

### Selected Paper Session

This session includes two papers that examine advertising impacts on food purchases. The other two papers look at the impact education and other factors have on consumer food purchases.

**Moderator:** Charles R. Rhodes, University of Connecticut

#### Presentations:

Modeling Advertising Expenditures and Spillover Effects Applied to the U.S. Non-Alcoholic Beverage Industry: Vector Autoregression (VAR) and Polynomial Distributed Lag (PDL) Approaches

*Senarath Dharmasena, Oral Capps, Jr., and David A. Bessler, Texas A&M University*

What is the Relationship between Education and Food Purchases among Food Insecure Households?

*John J. Hogan and Joshua P. Berning, University of Connecticut*

Spillover Effects of TV Advertising: The Case of Carbonated Soft Drinks

*Xun Li and Rigoberto A. Lopez, University of Connecticut*

How Racial Groups and Sex of Heads of Household Differ by Income and Education Level in Household Purchase Response to Types of Sugary Soft Drink Marketing

*Charles R. Rhodes, University of Connecticut*

## 1077 Blue Sky Thinking in Agricultural Policy

Washington State Convention Center, Room 609

### Selected Paper Session

This session presents a series of papers which address agricultural policy issues from a novel perspective.

**Moderator:** Anh N. Tran, North Carolina State University

#### Presentations:

The Political Economy of Controversial Technologies

*Gal Hochman, Rutgers University; Gregory D. Graff, Colorado State University; David Zilberman, University of California, Berkeley*

Distortions to Agriculture and Economic Growth in Sub-Saharan Africa

*Kym Anderson, University of Adelaide/Australian National University/CEPR; Markus Brückner, National University of Singapore*

Commodity Price Adjustment in a Competitive Storage Model with an Application to the Biofuel Mandate

*Anh N. Tran and Michael James Roberts, North Carolina State University*



# Concurrent Sessions—Monday, 4:30 pm–6:00 pm

## 1078 To Nest in the Wind—Implementation and Impacts of Career Development for Women in Personal Growth and Balancing Life

Washington State Convention Center, Room 611

### CWAE Track Session

Does gender make any differences in career development? Led by colleagues and experts in different career paths and stages, we will explore these issues based on theories and real examples (theories, surveys, cases, and personal experiences): 1) Is gender a significant factor to influence organizational strategies associated with career development? 2) How do women perceive career decisions and personal growth differently from men? 3) How do different career development options influence women's personal growth that might be different from men's experiences? 4) What are some differences and discrepancies to support or discourage women in making career choices based on culture, family, religion, environment, and other situations? And how do people handle these issues? 5) What are some best practices offered by different organizations to support women and men in career development and personal growth, given their different needs? The goal of this panel discussion is to invite participants to share their thoughts and experiences and to identify issues and successful/innovative strategies to support both men and women in our profession.

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

**Moderator:** Kynda R. Curtis, Utah State University

**Panelists:** Mary Clare Ahearn, USDA-Economic Research Service; Paul Dunn, University of Louisiana at Monroe; Hamideh Etemadnia, Penn State University; Dawn D. Thilmany McFadden, Colorado State University; Philip S. Watson, University of Idaho

## 1079 Food Industry

Washington State Convention Center, Room 612

### Selected Paper Session

This session includes papers on topics related to the industrial organization of, and supply-chain management in, the food industry.

**Moderator:** Mario Veneziani, Università Cattolica del Sacro Cuore

### Presentations:

Does “Right of First Refusal” Improve Competitiveness of Fed Cattle Markets? Results from an Economic Experiment  
*Stephen R. Koontz, Colorado State University*

An Exploration of Product Scope Choice in U.S. Biotech Corn Seed Market

*Wenhui Zhang and Guanming Shi, University of Wisconsin*

Economic Analysis of the U.S. Fluid Milk Industry  
*Xiaowei Cai, California Polytechnic State University, San Luis Obispo; Kyle W. Stiegert, University of Wisconsin*

Multi-stage Market Power in the Italian Fresh Meat Industry  
*Paolo Scokoi, Mario Veneziani, and Daniele Moro, Università Cattolica del Sacro Cuore*

## 1080 Environment and Technology Determinants of Productivity

Washington State Convention Center, Room 613

### Selected Paper Session

This session discusses land degradation, environmental factors and access to technology influence crop productivity, as well as the impact of environmental conditions and technology on crop productivity.

**Moderator:** Trent D. Blare, University of Florida

### Presentations:

The Effects of Integrated Pest Management Techniques (IPM) Farmer Field Schools on Groundnut Productivity: Evidence from Ghana

*Eric J. Carlberg and Gentian Kostandini, University of Georgia*

Does Access to Storage Protectant Increase Smallholder Adoption of Improved Maize Seed? Insights from Malawi

*Jacob E. Ricker-Gilbert and Michael S. Jones, Purdue University*

Seeds of Gold: How Environmental Considerations Influence Cacao Production Decisions for Small Landholder Households in Northwestern Ecuador

*Pilar Useche and Trent D. Blare, University of Florida*

## 1081 Firm-level Trade

Washington State Convention Center, Room 614

### Selected Paper Session

Recent work shows a high level of heterogeneity in firms when it comes to trade. These papers use firm-level data to explore export behavior.

**Moderator:** Mark J. Gibson, Washington State University

### Presentations:

Vertical Ownership and Trade Theory: Firm Level Evidence from France

*Carl Gaigné, Karine Latouche, and Stéphane Turolla, Institut National de la Recherche Agronomique*

Survival of the Fittest: Explaining Export Duration and Export Failure in the U.S. Fresh Fruit and Vegetable Market

*Jeta Rudi, Jason H. Grant, and Everett B. Peterson, Virginia Tech*

Brokers vs. Retailers: Evidence from the French Imports Industry of Fresh Produce

*Karine Latouche, Institut National de la Recherche Agronomique; Elodie Rowviere, AgroParisTech*

Trade Engagement and Producer Performance

*Mark J. Gibson, Washington State University; Tim A. Graciano, USDA-Economic Research Service*

# Concurrent Sessions—Monday, 4:30 pm–6:00 pm

## 1082 Conservation and Ecosystem Services

Washington State Convention Center, Room 615

### Selected Paper Session

This session covers the conservation of soil, piping plovers, and wetland habitat as well as returns to ecosystem services.

**Moderator:** Kent Kovacs, University of Minnesota

#### Presentations:

Optimal Portfolio Design to Reduce Climate Related Conservation Uncertainty: The Case of Wetland Habitat in the Prairie Pothole Region

*Amy W. Ando and Mindy L. Mallory, University of Illinois at Urbana-Champaign*

Using the Logit Model with Aggregated Choice Data in Estimation of Iowa Corn Farmers' Conservation Tillage Subsidies

*Tara Wade and Lyubov A. Kurkalova, North Carolina A&T State University*

Managing Excessive Predation in a Predator-Prey Setting: The Case of Piping Plovers

*Richard T. Melstrom, Jr., Michigan State University*

Evaluating the Return in Ecosystem Services from Investment in Public Land Acquisitions

*Kent Kovacs, Derric Pennington, Stephen Polasky, and Steven James Taff, University of Minnesota; Erik Nelson, Bowdoin College; Bonnie Keeler, University of Minnesota; Andrew J. Plantinga, Oregon State University*

## 1083 Forests

Washington State Convention Center, Room 616

### Selected Paper Session

This session includes papers on carbon sequestration as well as the effects of wildfires on forests and agriculture.

**Moderator:** Craig Johnston, University of Victoria

#### Presentations:

Economic Impacts of Wildfires on U.S. Agriculture and Forestry Sectors

*Jianhong Mu, Texas A&M University; Anne Wein and Todd Hawbaker, U.S. Geological Survey; Bruce A. McCarl, Texas A&M University*

Estimating the Supply of Forest Carbon Offsets: A Comparison of Best-Worst and Discrete Choice Valuation Methods

*Jose R. Soto and Damian C. Adams, University of Florida*

Private Forest Landowners' Response to Incentives for Carbon Sequestration

*Taeyoung Kim and Christian A. Langpap, Oregon State University*

Re-evaluating the Role of Biomass and Dead Organic Matter in the Optimal Forest Harvest Decision with Carbon Sequestration

*Craig Johnston and G. Cornelis Van Kooten, University of Victoria*

## 1084 The Economics of Agricultural Productivity and Efficiency

Washington State Convention Center, Room 617

### Selected Paper Session

This session includes papers that address important issues in the measurement of agricultural productivity.

**Moderator:** V. Eldon Ball, USDA-Economic Research Service

#### Presentations:

Producer Behavior and Agri-Environmental Policies: A Directional Distance Based Matching Approach

*John Walsh, Department for Environment, Food and Rural Affairs; David Zilberman, University of California, Berkeley; Johannes Sauer, University of Kiel*

Complementarities in Production Technologies: An Empirical Analysis of the Dairy Industry

*Henry An, University of Alberta*

Incorporating “Bads” and “Goods” in the Measurement of Agricultural Productivity Growth in the United States

*Nataliya Plesha and Subhash Ray, University of Connecticut; Richard F. Nebring and V. Eldon Ball, USDA-Economic Research Service*

State Productivity Growth: Catching-up and the Business Cycle

*V. Eldon Ball, USDA-Economic Research Service; Carlos San Juan, Universidad Carlos III de Madrid; Camilo A. Ulloa, BBVA Research*

## 1085 Valuation of Ecosystem Services of Conservation Programs

Washington State Convention Center, Room 618

### Selected Paper Session

This session explores topics in valuation of ecosystem services. Topics examine implicit prices and the efficiency of conservation programs and valuation ex-post using market sales of restored ecosystems.

**Moderator:** Allen Klaiber, The Ohio State University

#### Presentations:

Implicit Prices of Habitat Conservation Easements

*Chad D. Lawley, University of Manitoba; Charles A. Towe, University of Maryland*

Beneficial Selection and the Efficient Procurement of Ecosystem Services

*Noel P. Russell, University of Manchester; Johannes Sauer, University of Kiel*

The Effects of Open-space Conservation on Ecosystems: An Application of a Joint Ecological-economic Model

*Katherine Y. Zipp, David J. Lewis, and Robert William Provencher, University of Wisconsin*

A Valuation of Restored Streams Using Repeat Sales

*Charles A. Towe, University of Maryland; Allen Klaiber, The Ohio State University; Joseph A. Maher, University of Maryland*

# Concurrent Sessions—Monday, 4:30 pm–6:00 pm

## 1086 Topics in Fisheries Management

*Washington State Convention Center, Room 619*

### Selected Paper Session

This session examines institutions and their welfare effects on fisheries management.

**Moderator:** Tess M. Stafford, University of New South Wales

#### Presentations:

An Inverse Demand System for New England Groundfish: Welfare Analysis of the Transition to Catch Share Management

*Min-Yang A. Lee and Eric Thunberg, NOAA Fisheries*

Marketing Cooperatives in Fisheries

*Sunny L. Jardine, C.-Y. Cynthia Lin, and James N. Sanchirico, University of California, Davis*

Consumer Demand and Preference for Eco-friendly Labeled Commercial Fish Commodities: Application to Tuna Steak

*Guzhen Zhou and Wuyang Hu, University of Kentucky; Minling Pan, NOAA*

Labor Supply of Fishermen: An Empirical Analysis

*Tess M. Stafford, University of New South Wales*

## 1087 Crop Yield Risk: Geography, Technology, and Government Programs

*Washington State Convention Center, Room 620*

### Selected Paper Session

Crop yields are subject to numerous risk factors. These presentations seek to improve the understanding of crop yield risk modeling by investigating the impacts of geographical, technological, and government intervention factors.

**Moderator:** Anton Bekkerman, Montana State University

#### Presentations:

Geography of Crop Yield Skewness

*Xiaodong Du, University of Wisconsin; David A. Hennessy, Cindy L. Yu, and Ruiqing Miao, Iowa State University*

Production Risk, Farmer Welfare, and Bt Corn

*Santi Sanglestsawai and Roderick M. Rejesus, North Carolina State University; Jose M. Yorobe, Jr., University of the Philippines Los Baños*

Risk Reduction of LGM-Dairy and Potential Production Effects

*Kenneth H. Burdine and Leigh J. Maynard, University of Kentucky*

The SURE Program: An Investigation of Moral Hazard Opportunities and Adverse Selection Effects

*Anton Bekkerman, Vincent H. Smith, and Myles J. Watts, Montana State University*

## 1088 How to Develop a Successful Undergraduate Agricultural Economics Club

*Washington State Convention Center, Room 306*

### TLC Section and SS-AAEA Track Session

Each year the Student Section of the AAEA recognizes an Outstanding Chapter and a Creative Club. Awards are presented at the AAEA awards ceremony at the annual meeting. The Student Section also sponsors an Academic Bowl contest at the annual meeting. In recent years several chapters have had repeated success in winning these awards and contests. Club advisors from other chapters would like to know how successful undergraduate clubs and teams are developed, what activities they carry out, and how club advisors are chosen and rewarded. Three presenters will be chosen to address the following topics: 1) How to develop a successful undergraduate club in a large department. 2) How to develop a successful undergraduate club in a small department. 3) How to develop a successful Academic Bowl team.

**Organizer:** William M. Edwards, Iowa State University

**Panelists:** William M. Edwards, Iowa State University; Sierra S. Howry, Angelo State University; H. Mikael Sandberg, University of Florida

# Concurrent Sessions—Tuesday, 10:00 am–11:30 am

## 2001 Climate Change Impacts

*Washington State Convention Center, Room 204*

### AERE Session

**Moderator:** Michael James Roberts, North Carolina State University

#### Presentations:

The Distributional Impacts of Climate Change on Indian Agriculture: A Quantile Regression Approach

*Chandra Kiran B. Krishnamurthy, Umea University*

Estimating the Impact of Climate Change, Extreme Weather, and Soil Quality on Global Crop Production

*Erik Nelson and Jae Bradley, Bowdoin College*

Climate vs. Weather Shocks: Evidence from Global Food Markets

*Kyle C. Meng, Columbia University; Solomon Hsiang, Princeton University; Mark Cane, Columbia University*

Disaster, Disinvestment, and Death: Economic and Human Losses Following Environmental Disaster

*Jesse Anttila-Hughes, Columbia University; Solomon Hsiang, Princeton University*

## 2002 Farmland Value

*Washington State Convention Center, Room 211*

### Selected Paper Session

This session presents discussions on the effects of changes in the ethanol and real estate markets on farmland values. Specifically, farmland ownership and production decisions may be affected by recent changes in ethanol and agricultural policies as well as the housing boom-bust trends of the recessionary period. In addition, the impact of the design of farm programs on cash rents is also analyzed. Another paper demonstrates the use of non-stationary panel time series techniques in analyzing the determinants of farmland values.

**Moderator:** Jaclyn D. Kropp, Clemson University

#### Presentations:

The Use of Nonstationary Panel Time Series Data in the Analysis of Farmland Values

*Gulcan Onel, University of Florida*

The Housing Boom-Bust and Farmland Values: Identifying the Changing Influence of Proximity to Agricultural Delivery Points

*Wendong Zhang and Elena G. Irwin, The Ohio State University; Cynthia J. Nickerson, USDA-Economic Research Service*

The Impact of Risk and Farm Program Design on Cash Rents

*Jennifer Ifft, Joseph C. Cooper, and Todd H. Kueth, USDA-Economic Research Service*

Impacts of U.S. Agricultural and Ethanol Policies on Farmland Uses and Prices

*Jaclyn D. Kropp, Clemson University*

## 2003 Global Food Security I: Food Supply and Price Trends in the Long Run

*Washington State Convention Center, Room 212*

### AARES Organized Symposium

This is the first of two sessions focusing on fundamental aspects of food security: 1) long run global food supply scenarios and their implications for the trend level of food prices, and 2) the variance of prices around that level. Of critical significance to sustainable global poverty reduction is the trend level of food prices. During the 20th century, real food prices in international markets traced a downward path but have spiked several times in recent years. Will historians see the past few years as an aberration on a continuing long-run downward trajectory for food prices, or will they be seen as the beginning of a long period of high and even rising prices for farm products?

*This session is part one of a two-part symposium dealing with these issues. The second part, Session 2033, will take place after lunch in the same room.*

**Organizers:** Kym Anderson, University of Adelaide/Australian National University/CEPR; Philip G. Pardey, University of Minnesota/InSTePP/University of Adelaide/CSIRO

**Moderator:** Kym Anderson, University of Adelaide/Australian National University/CEPR

#### Presentations:

Agricultural R&D Investments, Farm Productivity Slowdowns, and Their Long Run Food Supply Implications

*Julian M. Alston, University of California, Davis; Philip G. Pardey, University of Minnesota/InSTePP/University of Adelaide/CSIRO*

The Food Security Implications of Climate Change and Mitigation Policies

*Thomas W. Hertel, Purdue University*

Global Poverty Consequences of Agricultural Productivity Growth

*William J. Martin and Maros Ivanic, World Bank*

## 2004 Herbicide Resistant Weeds and Sustainable Weed Management

*Washington State Convention Center, Room 213*

### Organized Symposium

The emergence of glyphosate resistant weeds due to the widespread adoption of genetically engineered, herbicide tolerant crops has refocused attention on the challenges that herbicide resistant weeds pose to farm sustainability. These challenges have gained national prominence through prime time media reports, congressional hearings, and the recommendations of an expert panel convened by the National Academies' National Research Council. This symposium will review recommendations from the National Academies' National Summit on Strategies to Manage Herbicide-Resistant Weeds held on May 10, 2012 in Washington, D.C. and identify how agricultural and applied economists can contribute to promoting improved weed management through their research, extension, and outreach efforts.

**Organizers:** Terrance M. Hurley, University of Minnesota; Paul D. Mitchell, University of Wisconsin; George B. Frisvold, University of Arizona

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

**Discussants:** David J. Pannell, University of Western Australia; George B. Frisvold, University of Arizona; Paul D. Mitchell, University of Wisconsin; Terrance M. Hurley, University of Minnesota

## 2005 Reputation and Organizational Legitimacy: Implications for Firms in the Global Agri-food and Fiber Supply Chain

*Washington State Convention Center, Room 214*

### AEM Section and IBES Track Session

Legitimacy and reputation, both are intangible assets that influence the economic viability of organizations. Indeed these two assets are bestowed upon firms by society as an indication of their approval of what an organization is doing. Firms gain or lose in their reputation for social and/or environmental performance, by respectively leading or lagging behind in the evolution of societal expectations concerning various issues of Corporate Social Responsibility (CSR). Moreover, if society feels that a firm falls too far behind or is too far ahead in their response to CSR issues they are likely to lose organizational legitimacy. Consequently, the papers in this track session examine the issues of legitimacy and reputation on firms that operate in the global agri-food and fiber supply chain.

**Organizer:** Joshua D. Detre, Louisiana State University

### Presentations:

Does One Bad Apple Spoil the Bunch? An Exploration of Legitimacy Loss for Innocent Firms under Food Recall Situations  
*Whitney O. Peake, Murray State University; Joshua D. Detre, Louisiana State University; Michael A. Gunderson, University of Florida; Clinton C. Carlson, University of Northern Texas*

Challenges Facing New Business Ventures: A Legitimacy Approach  
*Robert Brent Ross, Michigan State University; Miguel I. Gomez, Cornell University; Fabio R. Chaddad, University of Missouri*

Legitimacy and the Distinction between Moral Exhortations and Moral Prohibitions, or Why It Is Confusing to Tell Agribusiness Firms to Do This and Don't Do That  
*Harvey S. James, Jr., University of Missouri*

## Concurrent Sessions—Tuesday, 10:00 am–11:30 am

### 2006 Natural Resources and the Dynamics of Income and Wealth Inequality in Rural America

*Washington State Convention Center, Room 303*

#### Invited Paper Session/CENET Track Session

This session explores the distribution of income and wealth in rural America and how the dynamics of wealth and income inequality are affected by the trajectories of natural resource use in different regions.

**Organizer:** Bruce A. Weber, Oregon State University

**Moderator:** Bruce A. Weber, Oregon State University

**Discussant:** Mitchell A. Renkow, North Carolina State University

#### Presentations:

Natural Resource Curse and Poverty in Appalachian America  
*Mark D. Partridge, Michael R. Betz, and Linda Lobao, The Ohio State University*

Local Foods and Community Income Growth and Inequality  
*Steven C. Deller, University of Wisconsin*

The Distribution of Household Wealth within and across Rural Areas: Are There Links to the Natural Resource Base?  
*Alexander W. Marre and John L. Pender, USDA-Economic Research Service*

### 2007 Grain Outlook

*Washington State Convention Center, Room 304*

#### Extension Section Track Session

This track session features three presentations that primarily highlight the current and near-term situation and outlook of grain commodities. The panel of participants will bring unique insights to the discussion of the corn, soybean, wheat, and cotton markets by adding comments on “hot topics” of direct relevance to the United States. Finally, an open question and answer discussion will be moderated by the session organizer, providing interaction between presenters and the attending audience. The moderator will not only generate discussion but also highlight the implications for Extension economists.

**Organizer:** Chad E. Hart, Iowa State University

**Moderator:** Chad E. Hart, Iowa State University

#### Presentations:

Corn and Soybean Outlook  
*Matthew C. Roberts, The Ohio State University*

Wheat Outlook  
*Kim B. Anderson, Oklahoma State University*

Cotton Outlook  
*John R.C. Robinson, Texas A&M University*

### 2008 Skills for Enhancing Rural/Limited Resource Enterprise Development

*Washington State Convention Center, Room 305*

#### COSBAE Track Session

Rural enterprises face several constraints that make it more difficult for them to succeed than many of their urban counterparts. This session will discuss obstacles faced by rural/limited resource businesses and will highlight avenues for them to deal with these issues. The session will cover three main areas that often hinder business success: management and operations; finance options; and communication/marketing. The goal is to present researchers and extension educators with the latest knowledge on overcoming these obstacles and to encourage further research in this area.

**Organizer:** Daniel V. Rainey, University of Arkansas

**Moderator:** Keithly G. Jones, USDA-Economic Research Service

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

#### Presentations:

Agritourism Returns and Communication/Promotion Choices  
*Daniel V. Rainey and Harjanto Djunaidi, University of Arkansas*

Effective Management Strategies for Agritourism Providers  
*Chyi-Lyi (Kathleen) Liang, University of Vermont*

Limited Resource Entrepreneurs: Strategies for Dealing with Common Obstacles

*Niam Baharanyi, Tuskegee University*

### 2009 Livestock Outlook and Industry Issues

*Washington State Convention Center, Room 306*

#### Extension Section Track Session

This session will have a kickoff presentation that primarily highlights the current and near-term situation and outlook of beef, pork, and dairy industries. This will be followed two shorter presentations from a panel of participants bringing unique insights to the discussion by adding comments focused on “hot topics” of direct relevance to U.S. livestock industries and markets. Finally, an open question and answer discussion will be moderated by the session organizer.

**Organizer:** Glynn T. Tonsor, Kansas State University

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

**Panelists:** James G. Robb, Livestock Marketing Information Center; Scott H. Irwin, University of Illinois at Urbana-Champaign; Kathleen R. Brooks, West Texas A&M University

## 2010 Labeling, Regulation, and Food Demand

*Washington State Convention Center, Room 307*

### FAMPS and FSN Section Track Session

This joint track session focuses on analyzing the impacts of the food environment on consumer preferences. Given that organic foods transition from niche products to mainstream goods, two presentations address the effects of changing the food context in the organic market. Furthermore, two presentations determine food demand impacts via limiting access to certain foods or providing food labels.

**Organizer:** Christiane Schroeter, California Polytechnic State University, San Luis Obispo

**Moderator:** Christiane Schroeter, California Polytechnic State University, San Luis Obispo

#### Presentations:

Determinants of Organic Produce Purchasing Behavior  
*Christiane Schroeter and Xiaowei Cai, California Polytechnic State University, San Luis Obispo*

The Impact of Macroeconomic Factors on the USDA Organic Seal Price Premium  
*Andrea C. Carlson, USDA-Economic Research Service; Edward C. Jaenicke, Penn State University*

California's Leading Role in State-mandated Soda Bans—Adherence at High Schools and Possible Compensation Outside of Schools

*Kristin Kiesel, California State University, Sacramento; Rui Huang, University of Connecticut; Chantel Crane, California State University, Sacramento; Lisa Craypo, Samuels & Associates*

Guiding Stars: Food Labeling at Hannaford's  
*Biing-Hwan Lin and Ilya M. Rahkovsky, USDA-Economic Research Service; Chung-Tung Jordan Lin, U.S. Food and Drug Administration; Jong-Ying Lee, University of Florida*

## 2011 Performance of Institutional Innovations to Address Multi-jurisdictional Water Management Problems

*Washington State Convention Center, Room 308*

### IBES Track Session

Water resources seldom overlap with government and political boundaries, thus creating major jurisdictional challenges for effective management and use by multiple parties. In some regions of the United States, institutional innovations involving collaboration across federal, state and local government boundaries have emerged to improve water quantity/quality management. Information about the relative performance of these institutions is not readily available, particularly related to their abilities to respond to emerging management challenges or success in experimenting with new approaches, such as market-based mechanisms. This session will help fill that information gap by bringing together natural and environmental resource economists and policy analysts from several regions of the United States where institutional innovations have been used to address water issues. Speakers will define the jurisdictional water problem, describe the innovative institutional arrangements formed, summarize what is known about their performance, and identify current issues and challenges.

**Organizer:** Charles W. Abdalla, Penn State University

**Moderator:** Laura M. McCann, University of Missouri

#### Presentations:

Federal Water Quality Imperatives Affecting State and Local Governments: Innovative Watershed Restoration Initiatives in the Northwest United States

*Claire Schary, U.S. Environmental Protection Agency*

Multi-jurisdictional Water Allocation Conflicts: Incentive-based Mechanisms and Institutional Innovation to Resolve Water Conflicts in Multi-jurisdictional River Basins

*Bonnie G. Colby, University of Arizona*

Water Institutions and Energy Issues: Federal, Regional, and State Roles in Shale Gas Development in the Northeast United States

*Charles W. Abdalla, Penn State University*

# Concurrent Sessions—Tuesday, 10:00 am–11:30 am

## 2012 Emerging Issues in Demand and International Trade in China

*Washington State Convention Center, Room 309*

### China Section and International Section Track Session

In this session, we focus on demand and international trade issues in China. As a major market, structural changes in Chinese preferences are particularly important to exporting countries. As a major exporter, China is also affected by changing factors in destination markets such as the United States.

**Organizers:** Andrew Muhammad, USDA-Economic Research Service; Michael D. Hudson, Texas Tech University

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

#### Presentations:

The Impacts of Changes in China's Demographics on Textile and Global Cotton Markets

*Michael D. Hudson, Texas Tech University; Stephen A. MacDonald, USDA-Economic Research Service; Mouze M. Kebede and Suwen Pan, Texas Tech University*

Importance of Origin of Foreign Wine Preferences in China  
*Andrew Muhammad, USDA-Economic Research Service; Wei Chen, Shanghai University of Finance and Economics*

Demand Analysis in Urban China: The Effect of Including Food Away from Home on Estimated Expenditure Elasticities  
*Lisa Mancino, Diansheng Dong, and Fred Gale, Jr., USDA-Economic Research Service; Junfei Bai, Chinese Academy of Sciences*

Modeling Consumer Preferences for Sustainability, Food Safety, and Production Process Attributes of Imported Aquaculture Products from China

*David L. Ortega, Hong Holly Wang, and Nicole J. Olynyk, Purdue University*

## 2013 Teaching Tips from Top Teachers: 2011 AAEA Award Recipients

*Washington State Convention Center, Room 310*

### 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.

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

**Moderator:** Michael A. Gunderson, University of Florida

#### Presentations:

Teaching Tips: Perspective from Less than 10 Years' Experience  
*W. Scott Downey, Purdue University*

Teaching Tips: Perspective from 10 or More Years' Experience  
*Frank J. Dooley, Purdue University*

Teaching Tips: Graduate Teaching and Advising  
*Stephen Devadoss, University of Idaho*

Teaching Tips: TLC Section Graduate Student Teacher of the Year  
*Nataliya Plesha, University of Connecticut*



## 2014 Practical Issues of Agricultural Insurance Programs in Developing Countries

*Washington State Convention Center, Room 602*

### ARA Section Track Session

Producers in developing countries tend to be more vulnerable to production risks because they are more dependent on agriculture and often lack access to insurance products. The paucity of insurance instruments could be contributor to the existence of poverty traps. Production shocks impact various aspects of rural economies, and households that own few assets can be pushed toward an (often irreversible) downward spiral into destitution. Systemic risks are of particular importance, since losses due to extreme events as a proportion of GDP in these countries have been historically higher than in developed countries. Design and implementation of insurance programs for developing countries face a variety of challenges. Among these, the most common are the lack of reliable historical data, information asymmetry, and lack of appropriate institutional infrastructure. The proposed session presents three papers which deal with specific practical issues encountered in the development, analysis, and/or implementation of insurance programs in developing countries.

**Organizer:** Dmitry V. Vedenov, Texas A&M University

**Moderator:** Oscar Vergara, AIR Worldwide

**Discussant:** Barry J. Barnett, Mississippi State University

#### Presentations:

Can Farmers' Insurance Under-report Behavior Be Considered Cheating

*Hong Holly Wang, Purdue University; Yuehua Zhang, Zhejiang University*

Modeling Agricultural Risk in China

*Oscar Vergara, Gerhard Zuba, Tina Zhang, Matt Harrigan, Jack Seaquist, and Heidi Wang, AIR Worldwide*

Practical Issues in Designing Index Insurance Products for Ecuador Rice Producers

*Dmitry V. Vedenov and Leonardo F. Sanchez, Texas A&M University*

## 2015 Agribusiness Marketing: Willingness to Pay and Hedonic Pricing Studies

*Washington State Convention Center, Room 603*

### Selected Paper Session

The papers in this session examine a variety of issues related to pricing agricultural products. The papers include several studies that utilize willingness to pay methodologies and hedonic pricing techniques.

**Moderator:** Hyeyoung Kim, University of Florida

#### Presentations:

Fresh Hammock-packed Bartlett Pears: Implications for Consumer's Willingness to Pay Based on Sensory Analysis

*Jonathan A. Watson, Allen Francis Wysocki, Michael A. Gunderson, and Jeff Brecht, University of Florida*

The Theoretical Structure of Producer Willingness to Pay Estimates

*Samuel D. Zapata and Carlos E. Carpio, Clemson University*

Measuring the Value of Convenience: A Hedonic Pricing Model Approach in the Market for Breakfast Sausages

*Steven S. Vickner, The Ohio State University*

Impact of Added Sugar Information of Front-of-Pack Labels on Consumers' Beverage Health Perception Changes

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

## 2016 Behavioral Determinants of Demand

*Washington State Convention Center, Room 604*

### Selected Paper Session

This session gives examples of how behavioral economics gives researchers new tools for understanding willingness to pay for goods as varied as ice cream and fine art.

**Moderator:** Arzu Aysin Tekindor, Washington State University

#### Presentations:

Willingness to Pay for Functional Dairy Products and the Influence of Starting Point Bias: Empirical Evidence for Germany

*Kai-Brit Bechtold and Awudu Abdulai, University of Kiel*

Consumer Response to Controversial Food Technologies and Price: A Neuroeconomic Analysis

*Brandon R. McFadden and Jayson L. Lusk, Oklahoma State University; John M. Crespi, Kansas State University; J. Bradley C. Cherry, University of Missouri at Kansas City; Laura E. Martin, University of Kansas Medical Center; Amanda S. Bruce, University of Missouri at Kansas City*

Strategic Self-ignorance and Consumption of Harmful Goods

*Linda Thunstrom, HUI; Jonas Nordström, Lund University; Jason F. Shogren and Mariah D. Ehmke, University of Wyoming*

Uniqueness in Art Market: Specialization in Visual Art

*Arzu Aysin Tekindor and Vicki A. McCracken, Washington State University*

## Concurrent Sessions—Tuesday, 10:00 am–11:30 am

### 2017 Retail Food

*Washington State Convention Center, Room 606*

#### Selected Paper Session

This session discusses nutrition and marketing in retail food markets.

**Moderator:** Lan Li, Tennessee State University

#### Presentations:

Brand Level Demand Analysis of Fluid Milk Products with Different Attributes

*Hee Jung Choi, University of Florida; Michael K. Wohlgenant, North Carolina State University*

Understanding Food Away from Home Expenditures in Urban China: Differences by Week, Day, and Meal

*Haiyan Liu and Thomas I. Wahl, North Dakota State University; Junfei Bai, Chinese Academy of Sciences; James L. Seale, Jr., University of Florida*

Price Discrimination with Asymmetric Firms: The Case of the U.S. Carbonated Soft Drinks Market

*Yizao Liu, University of Connecticut; Shu Shen, University of California, Davis*

Fruit and Vegetable Consumption and Availability: Relationships to Adult Overweight and Obesity in the United States

*Lan Li, Tennessee State University*

### 2018 Experiments in Contract Enforcement and Farmer Behavior under Uncertainty

*Washington State Convention Center, Room 607*

#### Selected Paper Session

For all agricultural producers, but particularly those with smaller operations, production uncertainty and marginalized bargaining power present significant hurdles to improving profitability. The papers in this session explore these issues through experiments conducted with agricultural producers. Both laboratory and field experiments are used to assess the impact of contract enforcement policy designs on economic outcomes and the role of uncertainty on farmer capital investments and crop insurance purchases.

**Moderator:** Luisa Menapace, University of Trento

#### Presentations:

The Impact of Third-party Contract Enforcement in Agriculture: Evidence from a Field Experiment in Vietnam

*Christoph Saenger, Georg-August-Universität Göttingen; Maximo Torero, International Food Policy Research Institute; Martin Qaim, Georg-August-Universität Göttingen*

Does Contract Enforcement Limit the Distribution of Bargaining Power? An Experimental Study

*Paula Cordero Salas, University of Alabama*

Investment and Disinvestment in Irrigation Technology—An Experimental Analysis of Farmers' Decision Behavior

*Hanna Julia Ihli, Oliver Mußhoff, and Syster Christin Maart, Georg-August-Universität Göttingen*

On the Validity of Gamble Tasks to Assess Farmers' Risk Attitudes  
*Luisa Menapace, University of Trento; Gregory J. Colson, University of Georgia*

# Concurrent Sessions—Tuesday, 10:00 am–11:30 am

## 2019 New Trends in Consumer-Market Analysis

Washington State Convention Center, Room 608

### Selected Paper Session

This session features four interesting papers on new trends in consumer market analysis. How does convenience and social responsibility impact consumers' choice? How are new technologies impacting consumer marketing?

**Moderator:** Dawn D. Thilmany McFadden, Colorado State University

#### Presentations:

Convenience as a Driver for Healthy Food Choices—The Case of Seafood

*Simone C. Mueller Loose, University of South Australia; Anne Peschel and Carola Grebitus, University of Bonn*

Mind the Gaps: Comparing Retailer and Producer Led Schemes

*Diogo M. Souza Monteiro, University of Kent; Neal H. Hooker, Saint Joseph's University*

The Use of Wireless Capability at Farmers Markets: Results from a Choice Experiment Study

*Aaron Z. Olanie and Rosa Karina Gallardo, Washington State University*

How Corporate Social Responsibility Initiatives Are Emerging in the Dairy Sector: An Analysis of Consumer Perceptions and Priorities

*Oana C. Deselnicu, Marco Costanigro, and Dawn D. Thilmany McFadden, Colorado State University*

## 2020 Micro-level Development Policies in Africa

Washington State Convention Center, Room 609

### Selected Paper Session

This session presents a series of papers describing policies aimed at smallholder producers in Africa.

**Moderator:** Milu Muyanga, Michigan State University

#### Presentations:

Subsistence Farmer Preferences for Alternative Incentive Policies to Encourage the Adoption of Conservation Agriculture in Malawi: A Choice Elicitation Approach

*Paswel P. Marennya, International Food Policy Research Institute; Vincent H. Smith, Montana State University; Ephraim M. Nkonya and Kato Edward, International Food Policy Research Institute*

Do Cooperatives Help the Poor? Evidence from Ethiopia

*Maria F. Rodrigo, University of Wisconsin*

Effects of Population Density and Public Investments on Smallholder Agricultural Commercialization in Kenya

*Milu Muyanga and Thomas S. Jayne, Michigan State University*

## 2021 The Economics of Food and Nutrition Programs and Food Security

Washington State Convention Center, Room 611

### Selected Paper Session

How do public nutrition programs impact their beneficiaries in terms of reducing poverty and facilitating spending? What is the role of conflict and energy and weather shocks in determining household food security? Four papers examine these questions in the context of the United States and Afghanistan.

**Moderator:** Tina L. Saitone, University of California, Davis

#### Presentations:

Conflict, Food Price Shocks, and Food Insecurity: The Experience of Afghan Households

*Anna D'Souza, USDA-Economic Research Service; Dean Jolliffe, World Bank*

The Effects of Energy and Weather Shocks on Household Food Security

*Timothy KM Beatty and Charlotte Tuttle, University of Minnesota*

How State Policies Influence the Efficacy of the Supplemental Nutrition Assistance Program in Reducing Poverty

*Laura J. Tiehen, USDA-Economic Research Service; Dean Jolliffe, World Bank; Craig G. Gundersen, University of Illinois at Urbana-Champaign*

California WIC: Analysis of Program Impacts on Food Costs for WIC Participants and Non-participants

*Tina L. Saitone and Richard J. Sexton, University of California, Davis; Richard J. Volpe, III, USDA-Economic Research Service*

## 2022 Market Power

Washington State Convention Center, Room 612

### Selected Paper Session

This session includes papers on topics related to market power.

**Moderator:** Tian Xia, Kansas State University

#### Presentations:

Estimating Time Variation of Market Power: Case of U.S. Soybean Exports

*Toru Nakajima, The University of Tokyo*

Buyer Alliances as Countervailing Power in WIC Infant Formula Auctions

*David E. Davis, South Dakota State University*

Retail Markets and Buyer Power in Agricultural Procurements

*Tian Xia and Brian Sancewich, Kansas State University*

# Concurrent Sessions—Tuesday, 10:00 am–11:30 am

## 2023 Adoption of Modern and Improved Technologies

Washington State Convention Center, Room 613

### Selected Paper Session

Adoption of new technologies is a primary strategy for increasing food production. This session examines various issues regarding the adoption of improved agricultural technologies.

**Moderator:** Mohammed Ibrahim, Fort Valley State University

#### Presentations:

The Role of Varietal Attributes on Adoption of Improved Seed Varieties: The Case of Smallholder Sorghum Producers in Kenya  
*Anne G. Timu, Tegemeo Institute, Egerton University; Richard M. Mulwa and Julius J. Okello, University of Nairobi; Mercy Kamau, Tegemeo Institute, Egerton University*

The Impact of Modern Varieties on Productivity of, and Income from, Rice in Tanzania

*Yuko Nakano and Kei Kajisa, International Rice Research Institute*

An Econometric Analysis of the Link between Access to Agricultural Extension Services, Adoption of Agricultural Technology, and Poverty: Evidence for Uganda

*Patrick Okello, Uganda Bureau of Statistics*

Determinants of Farmer Adoption of Improved Peanut Varieties and Their Impact on Farm Income: Evidence from Northern Ghana

*Mohammed Ibrahim, Fort Valley State University; Wojciech J. Florkowski, University of Georgia; Shashidhara Kolavalli, International Food Policy Research Institute*

## 2024 Trade Costs and Market Integration

Washington State Convention Center, Room 614

### Selected Paper Session

This session explores trade costs and spatial market integration.

**Moderator:** Jason H. Grant, Virginia Tech

#### Presentations:

The(Rail)road to Structural Change: Transportation Costs, Integration and Production Specialization

*Sarah Walker, University of Wisconsin*

The Law of One Price under the State-dependent Policy Intervention

*Feng Qiu, JP Gervais, and Barry K. Goodwin, North Carolina State University; Linde J. Goetz and Thomas Glauben, Leibniz Institute of Agricultural Development in Central and Eastern Europe*

Cotton Market Integration across Countries, among Qualities, and through Time

*Jon Devine, Cotton Incorporated; Alejandro S. Plastina, International Cotton Advisory Committee*

Agricultural Trade Costs: 1965–2010

*Shuwen Duan and Jason H. Grant, Virginia Tech*

## 2025 Extreme Weather Events

Washington State Convention Center, Room 615

### Selected Paper Session

This group of papers considers the economics of floods, storms, and droughts.

**Moderator:** Karina Schoengold, University of Nebraska

#### Presentations:

Spatial Variation in Flood Risk Perception: A Spatial Econometric Approach

*Ajita Atreya and Susana Ferreira, University of Georgia*

The Effect of Stochastic Storms on Optimal Beach Management

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

Weather or Wealth? An Analysis of Economic Loss Caused by Extreme Precipitation Events

*Jing Liu, Purdue University*

The Impact of Ad hoc Disaster Programs on the Use of Conservation Practices

*Karina Schoengold, University of Nebraska*

## 2026 The Economics of Agricultural Technology Adoption

Washington State Convention Center, Room 616

### Selected Paper Session

The papers in this session address important issues in agricultural technology adoption. Issues explored include the determinants and implications of the adoption of precision farming technology for cotton, determinants of adoption of management practices for weed resistance, and a retrospective on the adoption of Bt Corn varieties.

**Moderator:** Krishna P. Paudel, Louisiana State University

#### Presentations:

Fifteen Years Later: Examining the Adoption of New Bt Corn Varieties by U.S. Farmers

*Jorge A. Fernandez-Cornejo, USDA-Economic Research Service; Seth J. Wechsler, University of Maryland*

Quantifying Farmer Adoption Intensity for Weed Resistance Management Practices and Its Determinants

*Fengxia Dong and Paul D. Mitchell, University of Wisconsin; Terrance M. Hurley, University of Minnesota; George B. Frisvold, University of Arizona*

Adoption and Non-adoption of Precision Technology by Cotton Farmers

*Krishna P. Paudel, Mahesh Pandit, and Ashok K. Mishra, Louisiana State University; Eduardo Segarra, Texas Tech University*

# Concurrent Sessions—Tuesday, 10:00 am–11:30 am

## 2027 Crop Response and Productivity

Washington State Convention Center, Room 617

### Selected Paper Session

This session features papers related to supply response, productivity, and profitability of crops.

**Moderator:** Elizabeth Nolan, University of Sydney

#### Presentations:

Commodity Grain Supply Response to Economic and Biophysical Changes

*David Boussios and Andrew P. Barkley, Kansas State University*

A Comparative Breakeven Net Return Threshold to Guide Development of Conservation Technologies with Application to Perennial Wheat

*Carson J. Reeling, Anne Weir, and Scott M. Swinton, Michigan State University*

Market Concentration and Productivity in the United States Corn Sector: 2002–2009

*Elizabeth Nolan and Paulo J. Santos, University of Sydney; Guanming Shi, University of Wisconsin*

## 2028 Crop Choice and the Environment

Washington State Convention Center, Room 618

### Selected Paper Session

This session explores the environmental effects of crop choice on the environment and farm budgets.

**Moderator:** Alicia L. English, Purdue University

#### Presentations:

Incentives, Costs, and Implications of Wide-spread Cover Crop Adoption in the United States

*Elizabeth Marshall, USDA-Economic Research Service*

Do farmers Have Heterogeneous Preferences for the Environment and Does It Matter? A Latent-class Approach to Crop Choice and Management Practices

*Avishek Konar, Elena G. Irwin, and Brian E. Roe, The Ohio State University*

Evaluating Pollution Control Policies Using a Farm-level Dynamic Model

*Jingjing Wang and Kenneth A. Baerenklau, University of California, Riverside*

Environmental Impacts of Stover Removal in the Corn Belt

*Alicia L. English, Wallace E. Tyner, Juan Pablo Sesmero, and Philip Owens, Purdue University*

## 2029 Land Use, Spatial Analysis, and the Environment

Washington State Convention Center, Room 619

### Selected Paper Session

This session discusses land use and spatial analysis resulting from regulatory and market uncertainty.

**Moderator:** Douglas H. Wrenn, The Ohio State University

#### Presentations:

Spatial Analysis of Rezoning Approval Decisions

*Seong-Hoon Cho, University of Tennessee; Seung Gyu Kim, USDA-Economic Research Service; Roland K. Roberts, University of Tennessee*

Federal Forest Policy and Its Impact on Income Distribution in Rural Communities

*Yong Chen and Bruce A. Weber, Oregon State University*

Heterogenous Developers, Spatial Interactions, and Land Development Outcomes under Uncertainty

*Matthew K. Gnagey, The Ohio State University*

Searching for the Urban Fringe: Exploring Spatio-temporal Variations in the Effect of Distance vs. Local Interactions on Residential Land Conversion Using a Conditionally-parametric Discrete-time Duration Model

*Douglas H. Wrenn, Elena G. Irwin, and Abdoul G. Sam, The Ohio State University*

## Concurrent Sessions—Tuesday, 10:00 am–11:30 am

### **2030 Impacts of 2010 Dietary Guidelines on Fruit, Vegetable, and Livestock Industries**

*Washington State Convention Center, Room 620*

#### **International Section and Senior Section Track Session**

In 2011, the USDA and the FDA jointly issued a new set of dietary goals and nutrition guidelines. The goal of the Dietary Guidelines for Americans 2010 is to substantially reduce intake of calories and fats as part of the fight against obesity. Will these Dietary Guidelines be any more effective at changing food consumption patterns and reducing obesity than the previous guidelines? If so, what impacts would there be on the U.S. agriculture sector, and on food processing and retailing?

**Organizers:** Walter J. Armbruster, Farm Foundation (retired);  
Ronald D. Knutson, Texas A&M University

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

#### **Presentations:**

Impacts of 2010 Dietary Guidelines on the Southern Fruit and Vegetable Industry

*Luis A. Ribera, Texas A&M University*

Impacts of 2010 Dietary Guidelines on the Western Fruit and Vegetable Industry

*Mechel S. Paggi, California State University, Fresno*

Impacts of 2010 Dietary Guidelines on the Midwest and Northeast Fruit and Vegetable Industry

*Chengyan Yue and Alicia Rihn, University of Minnesota*

Impacts of 2010 Dietary Guidelines on U.S. Livestock and Meat Marketing

*Rodney B. Holcomb and Jody L. Campiche, Oklahoma State University*

## Concurrent Sessions—Tuesday, 12:30 pm–2:00 pm

### 2031 Washington Policy Update by Chief Economist from the House and Senate Agriculture Committees

*Washington State Convention Center, Room 204*

#### 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 Congress, as well as perspectives on farm bill development. They also will seek comments and insights on issues from session attendees.

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

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

#### Presentations:

Farm Policy Outlook: Perspective from the House Minority  
*Craig Jagger, House Agriculture Committee*

Farm Policy Outlook: Perspective from the House Majority  
*Bart L. Fischer, House Agriculture Committee*

Farm Policy Outlook: Perspective from the Senate Minority  
*Max D. Fisher, Senate Agriculture Committee*

Farm Policy Outlook: Perspective from the Senate Majority  
*Joe Shultz, Senate Agriculture Committee*

### 2032 Livestock Trade

*Washington State Convention Center, Room 211*

#### Selected Paper Session

This session explores factors affecting meat and livestock trade include changes in demand in Southeast Asia and foot and mouth disease.

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

#### Presentations:

Economic Implications of a Foot and Mouth Disease Free Latin American Beef Sector

*Amanda M. Leister and Amy D. Hagerman, USDA-Economic Research Service*

International Pork Trade and Foot and Mouth Disease  
*Shang-Ho Yang, Sayed H. Saghaian, and Michael R. Reed, University of Kentucky*

Modeling South Africa's Meat Import System  
*Fawzi A. Taha and William F. Hahn, USDA-Economic Research Service*

Assessing the Impact of Southeast Asia's Increasing Meat Demand on Global Feed Demand and Prices

*James M. Hansen, USDA-Economic Research Service*

### 2033 Global Food Security II: Food Price Fluctuations and Their Food Security Implications

*Washington State Convention Center, Room 212*

#### AARES Organized Symposium

This is the second of two sessions focusing on fundamental aspects of food security: 1) long run global food supply scenarios and their implications for the trend level of food prices, and 2) the variance of prices around that level. National governments, groups such as the G-20, and the major international economic organizations have worried over food price variability over the past four years. Certainly some groups are harmed by fluctuating prices, but others may benefit. Understanding the causes and effects of those fluctuations—and of the likely effects of policy responses to price spikes on markets, aggregate national welfare and its distribution—is essential for better policy making in this area.

*This session is part two of a two-part symposium dealing with these issues. The first part, Session 2003, takes place at 10:00 am in the same room.*

**Organizers:** Kym Anderson, University of Adelaide/Australian National University/CEPR; Philip G. Pardey, University of Minnesota/InSTePP/University of Adelaide/CSIRO

**Moderator:** Philip G. Pardey, University of Minnesota/InSTePP/University of Adelaide/CSIRO

#### Presentations:

The Economics of Agricultural Price Variability  
*Brian D. Wright, University of California, Berkeley*

Variable Trade Restrictions: Policy Responses (and Contributors) to Food Price Fluctuations

*Kym Anderson, University of Adelaide/Australian National University/CEPR; Signe Nelgen, University of Adelaide*

Do Food Price Insulation Policies Reduce Poverty?

*William J. Martin and Maros Ivanic, World Bank; Kym Anderson, University of Adelaide/Australian National University/CEPR*

## Concurrent Sessions—Tuesday, 12:30 pm–2:00 pm

### 2034 Alliances in the Small and in the Large: Formation and Performance

*Washington State Convention Center, Room 213*

#### AEM Section Track Session

Alliances—defined as collaborative, interdependent efforts between two or more firms—are a mainstay of the agricultural economy. But what determines alliance formation and performance? What makes one alliance successful, resulting in risk sharing, information exchange, and greater returns to scale, while another alliance results in a clash over intellectual property rights, as illustrated by Monsanto vs. Dupont? This session examines the impact of alliances at three focal lengths: 1) the ultimate outcome, firm survival, 2) the persistence of above-average profits among surviving firms, and 3) mechanisms persistently profitable firms use to facilitate information exchange and innovation while decreasing the threat of information expropriation. These perspectives combine to provide unique insight into the organization of firms along the food supply chain, from biotech firms to farms to agribusiness.

**Organizer:** Andrea Martens, University of Illinois at Urbana-Champaign

**Discussant:** Peter D. Goldsmith, University of Illinois at Urbana-Champaign

#### Presentations:

Too Connected to Fail: The Effect of Alliance Network Structure on Farm Survival

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

The Effect of Alliances on the Persistence of Profits

*Fabio R. Chaddad, University of Missouri; Sergio Lazzarini, Inesper*

Interlocking Directorates in Agricultural Enterprises in Scania, Sweden

*Konstantinos Karantininis, University of Copenhagen; Thomas Björklund and Jerker Nilsson, Swedish University of Agricultural Sciences*

### 2035 Land Values and Rental Rates: Determinants, Trends, and New Tools

*Washington State Convention Center, Room 214*

#### AFM Section Track Session

Over the past few years, both land values and farmland rental rates have consistently experienced double-digit percentage increases throughout much of the Midwest and Great Plains regions. A significant amount of work has been done by agricultural economists in an attempt to analyze the determinants of both land values and rental rates, linking them with a range of factors including the land's direct income generating potential via measures of expected crop revenues, expected or actual cash flows from government programs, soil and other productivity factors, urbanization pressures, and a number of other spatial considerations such as proximity to livestock operations or ethanol facilities. Furthermore, researchers have used a number of methods (i.e. standard OLS, various spatial models and specifications) and data sources (i.e. farm management association, USDA ARMS survey, Census of Ag, regional land transactions) to study these issues. This track session will focus on recent research efforts on land value and rental markets through three papers.

**Organizer:** Nicholas D. Paulson, University of Illinois at Urbana-Champaign

**Moderator:** Nicholas D. Paulson, University of Illinois at Urbana-Champaign

**Discussant:** Jason R. Henderson, Federal Reserve Bank of Kansas City-Omaha Branch

#### Presentations:

Farmland Markets: Valuation, Performance, and Risk

*Bruce J. Sherrick and Mindy L. Mallory, University of Illinois at Urbana-Champaign*

Farmland Rental Markets: Trends in Valuation, Design, and Risk

*Nicholas D. Paulson and Gary D. Schmitkey, University of Illinois at Urbana-Champaign*

A Comparison of Data Sources for the Analysis of Farmland Values

*Todd H. Kuethe, Jennifer Ifft, Allison M. Borchers, and Mitchell J. Morehart, USDA-Economic Research Service*



## 2036 Future Agricultural Productivity Growth, Land Management, and Greenhouse Gas Emissions

*Washington State Convention Center, Room 303*

### Invited Paper Session

The relationship between technology-driven agricultural productivity growth, land use, and greenhouse gas (GHG) emissions is ill-defined and currently debated in the literature. Under certain conditions, exogenous agricultural technology shifts can either increase or decrease net emissions from the terrestrial system. This session presents three distinct papers that address this complex relationship and project land use change and emissions under alternative future crop productivity scenarios. Results provide critical information on the effects of agricultural technology change on regional and global deforestation rates, emissions from crop and livestock systems, and the costs of land-based GHG abatement at U.S. and global scales.

**Organizer:** Justin S. Baker, RTI International

**Discussant:** Robert H. Beach, RTI International

### Presentations:

Relative Agricultural Productivity and Tropical Deforestation  
*Steven Rose, Electric Power Research Institute; Alla Golub and Thomas W. Hertel, Purdue University; Brent Sohngen, The Ohio State University*

Implications of Agricultural Productivity Growth Assumptions on Land Management, Greenhouse Gas Emissions, and Mitigation Potential

*Justin S. Baker, RTI International; Bruce A. McCarl, Texas A&M University; Brian Murray, Duke University; Siyi J. Feng, Texas A&M University; Robert Johannson, USDA-Office of the Chief Economist*

Crop Productivity Growth and Emissions Reduction from the Livestock Sector and Related Land Use Changes

*Petr Havlik, Hugo Valin, and Michael Obersteiner, IIASA; Justin S. Baker, RTI International; Aline Mosnier, IIASA; Mario Herrero, International Livestock Research Institute; Erwin Schmid, Universität für Bodenkultur Wien*

## 2037 The Changing Landscape for Agricultural Input Markets in China

*Washington State Convention Center, Room 304*

### China Section Track Session

This session focuses on the changing landscape for agricultural input markets in China. The Chinese food and agricultural sector is changing rapidly on both the supply and demand sides as China grows economically, with major consequences not only for China but also for global agricultural markets. This session will shed light on some of the important supply-side changes.

**Organizer:** David Abler, Penn State University/By The Numbers

**Moderator:** David Abler, Penn State University/By The Numbers

### Presentations:

An Anatomy of an Agricultural Mechanization Service Cluster in China

*Xiaobo Zhang, International Food Policy Research Institute; Jin Yang, Zhejiang University*

Impacts of Global Crude Oil Prices on China's Vegetable Oil Prices  
*Wei Chen, Shanghai University of Finance and Economics; Bryan T. Lohmar, U.S. Grains Council China; Mary A. Marchant, Virginia Tech*

The Shadow Price of Soil and Its Impact on Production Efficiency

*Lingling Hou, Dana L. Hoag, and Mazdak Arabi, Colorado State University*

The Effect of Land Use Diversity on Pest Infestation and Crop Yield: A County Scale Analysis for Rice and Cotton in China  
*Wei Zhang, International Food Policy Research Institute; Yanhui Lu, Chinese Academy of Agricultural Sciences; Feng Wu, Jikun Huang, and Ke Zhou, Chinese Academy of Sciences; Wopke Vander Werf, Wageningen University; Xiangzheng Deng, Chinese Academy of Sciences; Kongming Wu, Chinese Academy of Agricultural Sciences*

## Concurrent Sessions—Tuesday, 12:30 pm–2:00 pm

### 2038 Value Added Meat Marketing around the Globe: International Insights on Safety, Health, and Convenience

*Washington State Convention Center, Room 305*

#### CWAE and FAMPS Track Session

In highly competitive meat markets it is important to understand which attributes are especially valued by consumers. This track session will contribute to a better understanding of consumer preferences for value added meats across different countries and simultaneously address different stages of the food chain by acknowledging factors such as breeding, forage (fat content), meat cuts as well as product labeling and packaging. All papers present current empirical studies from countries such as the United States, Canada, Germany, Italy, and Australia.

**Organizers:** Simone C. Mueller Loose, University of South Australia; Carola Grebitus, University of Bonn

**Moderator:** Carola Grebitus, University of Bonn

#### Presentations:

Taste vs. Health: Australian Consumers' Preferences for Marbling and Fat Content in Beef Steaks

*Simone C. Mueller Loose, University of South Australia; Wendy J. Umberger, University of Adelaide*

Maximizing Value of Canadian Traditionally Raised and Conventional Pork Chops: Are Genomic Markers, Meat Quality, or Hog Grade Indicators of the 'Best' Value?

*Ellen W. Goddard, Heather Bruce, and Graham Plastow, University of Alberta; Jennifer Janz, Alberta Agriculture and Rural Development*

Increasing Food Quality, Safety, and Convenience and Reducing Food Waste through Innovative Meat Packaging

*Judith Kreyenschmidt, Carola Grebitus, and Yvonne Ilg, University of Bonn; Jutta Roosen, Technical University of Munich; Helen H. Jensen, Iowa State University*

The Perfect Cut: What Do Italian Consumers Want from Their Everyday Beef?

*Gabriele Scozzafava, University of Florence; Simone C. Mueller Loose and Armando Corsi, University of South Australia; Leonardo Cassini, University of Florence*

### 2039 The Economics of Cover Crops: What Will Drive Adoption?

*Washington State Convention Center, Room 306*

#### Organized Symposium

While cover crops may be an important component in sustainable cropping systems, they have not been widely adopted in the United States. Some of the obstacles arise from policy restrictions, including requirements in the crop insurance program that prevent eligible farmers from planting them. The objective of the symposium is to discuss the role cover crops will have in the future in the U.S. farm landscape. Understanding the economics of cover crops can inform the design of policies that create incentives for their adoption.

**Organizer:** Kranti Mulik, Union of Concerned Scientists

**Moderator:** Kranti Mulik, Union of Concerned Scientists

**Panelists:** John V. Westra, Louisiana State University; Jason S. Bergtold, Kansas State University; James A. Larson, University of Tennessee

**Discussant:** Jeffrey O'Hara, Union of Concerned Scientists

### 2040 A Pressure Cooker for Change: Food Policy and the 2012 Farm Bill

*Washington State Convention Center, Room 307*

#### FSN Section and Senior Section Track Session

The 2012 Farm Bill will be negotiated under exceptional pressures related to budget deficits, environmental concerns, energy independence, food insecurity, and food price inflation. This session will focus on the impact of these pressures on the Nutrition Title and on the changing food production, environment related to demands for sustainability, transparency and non-food uses of major crops, namely fuel. The role of agricultural and food policy in supporting human health increases; its advantages and limits will be explored. Speakers will address these issues followed by a moderated discussion.

**Organizer:** Jean Kinsey, University of Minnesota

**Moderator:** Jean Kinsey, University of Minnesota

#### Presentations:

The Nutrition Title of the Farm Bill: Pressures for Change  
*Parke E. Wilde, Tufts University*

Farm Bill Implications for Healthy Eating  
*Helen H. Jensen, Iowa State University*

Support for Local Food Production and Sustainable Agriculture  
*Shermain D. Hardesty, University of California, Davis*

Biofuels' Impacts on Food and Commodity Prices  
*Bruce A. Babcock, Iowa State University*

## Concurrent Sessions—Tuesday, 12:30 pm–2:00 pm

### 2041 Publishing Strategies for IBES Research

*Washington State Convention Center, Room 308*

#### GSS and IBES Track Session

This organized symposium aims to help AAEA members who conduct research related to institutional and behavioral economics, especially graduate students and junior faculty, to identify publishing strategies and outlets. While classical institutional economics, new institutional economics, and behavioral economics may overlap, and while a particular researcher or paper may draw on insights or methods from more than one of these areas, each speaker will focus primarily on one area. Speakers will discuss general publication strategies, strategies relating specifically to IBES research, and potential outlets for research in their assigned area.

**Organizer:** Laura M. McCann, University of Missouri

**Moderator:** Brian R. Williams, Oklahoma State University

#### Presentations:

Strategies for “Old” or Classical Institutional Economics, Especially as Related to Environmental/Natural Resource and Development Fields

*Laura M. McCann, University of Missouri*

Strategies for New Institutional Economics, Especially as Related to Agribusiness Firms and other Organizations

*Harvey S. James, Jr., University of Missouri*

Strategies for Behavioral Economics, Especially as Related to Food and Nutrition Research

*Brian E. Roe, The Ohio State University*

### 2042 Frontier Issues in International Agricultural Development: Insights from the C-FARE Blue Ribbon Development Panel

*Washington State Convention Center, Room 309*

#### International Section Track Session

The C-FARE panel on Agricultural Development is exploring frontier issues on topics related to 1) foreign assistance and food security; 2) domestic and trade policies as they affect development; and 3) impact assessment of agricultural development interventions. This track session will include presentations by panel members on reforms to foreign assistance including aid for improved humanitarian outcomes, economics of input subsidies to agriculture in Sub Saharan Africa, adaptation to climate change under uncertainty, and methods for measuring impacts of interventions affecting agricultural productivity, poverty reduction, nutrition, gender equity, health, and environment. The discussion that follows the panel presentations will serve to identify related issues with respect to the three main topics above, and will provide feedback to the C-FARE Development Panel as it prepares additional materials for policy makers.

**Organizer:** George W. Norton, Virginia Tech

**Discussant:** Jason H. Grant, Virginia Tech

#### Presentations:

Frontiers of Research on Foreign Assistance and Food Security  
*William A. Masters, Tufts University; Glenn C.W. Ames, University of Georgia*

Contributions of Input Subsidies to Agricultural Development: Controversial Issues and Measurement Challenges

*Gerald E. Shively, Purdue University; Thomas S. Jayne, Michigan State University; Jacob E. Ricker-Gilbert, Purdue University*

Research on Agricultural Development and Climate Change Adaptation under Uncertainty

*Corinne Valdivia, University of Missouri; Ruth Meinzen-Dick, International Food Policy Research Institute; Patricia Kristjanson, ICRAF*

Frontiers in Impact Assessment of Agricultural Development Interventions

*George W. Norton and Jeffrey Alwang, Virginia Tech*

## Concurrent Sessions—Tuesday, 12:30 pm–2:00 pm

**2043** **Agribusiness Management National Benchmarks**  
*Washington State Convention Center, Room 310*

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

In this session, we will present, discuss, and invite input regarding the results of a project which pulled information from across the nation on Agribusiness programs to create learning outcomes for knowledge, skill, and experiential learning. The project leaders solicited input and reviews by a wide range of stakeholders; specifically addressing the challenges set forth by the NRC and subsequent responses to the study. The projects purpose is to find common knowledge and skill areas by which programs can be compared and referenced.

**Organizer:** Penelope L. Diebel, Oregon State University

**Panelists:** Penelope L. Diebel, Oregon State University; Gregory M. Perry, Colorado State University; W. Scott Downey, Purdue University; Michael A. Gunderson, University of Florida

**2044** **Invited Paper Session Featuring Selected Case Studies**

*Washington State Convention Center, Room 602*

### **Invited Paper Session**

**Organizer:** Lisa House, University of Florida

**Moderator:** Paul M. Darby, Louisiana State University

#### **Presentations:**

Using Carbon Taxes to Change Generating Asset Mix: A Case Study of the Alberta Electricity System and the Potential of Nuclear Energy

*G. Cornelis Van Kooten, Linda Wong, and Craig Johnston, University of Victoria*

A USDA Certified BioPreferred New Product Introduction  
*Steven S. Vickner, The Ohio State University*

A Sugar Crossroad: Is Biomass an Opportunity or a Problem?  
*Paul M. Darby and Joshua D. Detre, Louisiana State University; Tyler B. Mark, Morehead State University; Michael E. Salassi, Louisiana State University*

**2045** **Agricultural Finance Issues in Farm Succession and Entry and Exit Decisions**  
*Washington State Convention Center, Room 603*

### **Selected Paper Session**

This session features papers that discuss the role of credit access and the idea of a targeted loan program in entry and exit farm business decisions, with a special focus on young and beginning (new) farmers. The survival and sustenance of newly-established farm businesses will rest on, among others, the availability of effective financing programs that will mitigate financing constraints and allow these young businesses to flourish into maturity. This session also includes analyses on the profitability and business viability effects of farm succession decisions and the implementation of a targeted loan program.

**Moderator:** Valentina M. Hartarska, Auburn University

#### **Presentations:**

Farm Operator Entry and Exit Behavior: A Longitudinal Analysis  
*Dwight W. Adamson and Andrew Waugh, South Dakota State University*

The Impact of Farm Succession Decisions on the Financial Performance of the Farm

*James Michael Harris, USDA-Economic Research Service; Ashok K. Mishra, Louisiana State University; Robert P. Williams, USDA-Economic Research Service*

EnVesting in an Agricultural Legacy: The Impact to the Profitability of Young and Beginning Producers in Arkansas from a Targeted Loan Program

*Leo P. Goeringer, Harold L. Goodwin, Jr., and Bruce L. Dixon, University of Arkansas*

Financing Constraints and Access to Credit in Post Crisis Environment: Evidence from New Farmers in Alabama

*Valentina M. Hartarska and Denis A. Nadolnyak, Auburn University*

# Concurrent Sessions—Tuesday, 12:30 pm–2:00 pm

## 2046 Behavioral Insights into Economic Development

Washington State Convention Center, Room 604

### Selected Paper Session

Behavioral economics gives researchers new tools for understanding puzzles of economic development, whether it be African farmers' rate of time preference or the collective management of irrigation water in Asia.

**Moderator:** Takuji W. Tsusaka, International Rice Research Institute

#### Presentations:

Closing the Eyes on a Gloomy Future: Psychological Causes and Economic Consequences

*Rachid Laajaj, University of Wisconsin*

Comparison of the Investment Behavior of Kazakhstani and German Farmers: An Experimental Approach

*Dulat Tubetov, Oliver Mußhoff, and Syster Christin Maart, Georg-August-Universität Göttingen*

Neighborhood Effects on Social Behavior: The Case of Irrigated and Rainfed Farmers in Bohol, The Philippines

*Takuji W. Tsusaka, Valerien O. Pede, and Kei Kajisa, International Rice Research Institute; Keitaro Aoyagi, Japan International Cooperation Agency*

## 2047 Advancement in Demand System Estimation

Washington State Convention Center, Room 606

### Selected Paper Session

The papers in this session discuss estimating demand systems.

**Moderator:** Cesar E. Castellon, Clemson University

#### Presentations:

Demand Estimation in the Presence of an Unobservable Product Attribute: The Case of Mint Quality

*Daniel Toro-Gonzalez, Jia Yan, Rosa Karina Gallardo, and Jill J. McCluskey, Washington State University*

Pre- and Post-recall Demand Systems Estimation for Peanut Butter in Light of the Recall of the Peter Pan Brand

*Rafael Bakhtavoryan, Oral Capps, Jr., and Victoria Salin, Texas A&M University*

Temporal Aggregation in the Estimation of Food Demand Using Cross Sectional Data

*Kristyn Leffler, Carlos E. Carpio, and Tullaya Boonsaeng, Clemson University*

Demand System Estimation in the Absence of Price Data: An Application of Stone-Lewbel Price Indices

*Cesar E. Castellon, Tullaya Boonsaeng, and Carlos E. Carpio, Clemson University*

## 2048 Futures and Commodity Markets

Washington State Convention Center, Room 607

### Selected Paper Session

This session discusses commodity marketing issues of volatility and risk. Alternative delivery and settlement on a futures market contract is explored and electronic futures market trading is analyzed.

**Moderator:** Joseph Janzen, University of California, Davis

#### Presentations:

Price and Volatility Spillover between Livestock and Related Commodity Markets

*Veronica F. Pozo and Ted C. Schroeder, Kansas State University*

Risk Measurement in Commodities Markets: How Much Price Risk Do Agricultural Producers Really Face?

*Fabio L. Mattos, University of Manitoba; Daniel Henrique Dario Capitani, University of São Paulo*

Measuring Spatial Integration in Tomato and Onion Markets of Pakistan: An Application of Error Correction Model in the Presence of Stationarity

*Heman D. Lobano, Institute of Business Administration*

The Quality of Price Discovery and the Transition to Electronic Trade: The Case of Cotton Futures

*Joseph Janzen, Aaron D. Smith, and Colin Andre Carter, University of California, Davis*

## 2049 Livestock Policy Issues

Washington State Convention Center, Room 608

### Selected Paper Session

This session focuses on government policy issues affecting the livestock industries including U.S. horse slaughter policies, comparing U.S. and Canadian cattle policies, and examining U.S. dairy producers' preferences for the 2012 Farm Bill.

**Moderator:** Christopher A. Wolf, Michigan State University

#### Presentations:

Consequences of U.S. Horse Slaughter Policies: An Equilibrium Displacement Approach

*Mallory K. Vestal, Jayson L. Lusk, Clement E. Ward, and Steven R. Cooper, Oklahoma State University*

Effects of Market and Policy Shocks on the Canadian and U.S. Cattle and Beef Industries

*Edgar Edwin Twine and James I. Rude, University of Alberta*

Dairy Farmer Preferences for 2012 Farm Bill

*Christopher A. Wolf, Michigan State University; Glynn T. Tonsor, Kansas State University*

# Concurrent Sessions—Tuesday, 12:30 pm–2:00 pm

## 2050 Food Security, Food Access, and Food Deserts

Washington State Convention Center, Room 609

### Selected Paper Session

These papers look at how food access affects healthy eating, food security and crime. Papers deal with both domestic and international food security.

**Moderator:** Adam N. Rabinowitz, University of Connecticut

#### Presentations:

Is Healthy Food Getting Easier to Access? Changes in Food Access over the Past Decade

*Paula Dutko, Michele L. Ver Ploeg, Vince Breneman, Christopher W. Dicken, and Ryan Williams, USDA-Economic Research Service; Samantha D. Snyder, Purdue University; Phil R Kaufman, USDA-Economic Research Service*

The Role of Food Access in Meeting Some Dietary Guidelines: A Natural Experiment

*Gayaneh S. Kyureghian, University of Nebraska; Rodolfo M. Nayga, University of Arkansas*

The Endogeneity of Crime and Supermarket Locations: Implications for Food Access

*Adam N. Rabinowitz, University of Connecticut*

## 2051 Determining Impacts on Physical Activity and Food Consumption

Washington State Convention Center, Room 611

### Selected Paper Session

The first two presentations in this session focus on physical activity changes in children, and food consumption behavior of college students. In addition, two presentations will address whether product selection behavior is impacted by nutrition logos and how food preparation time relates to diet quality.

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

#### Presentations:

Do Neighborhood Parks and Playgrounds Make Children More Fit?

*Maoyong Fan, Ball State University; Yanhong Jin, Rutgers University*

Who Is Eating the Fruits and Vegetables: Couch Potato or Internet Junkie?

*Christiane Schroeter and Marianne McGarry Wolf, California Polytechnic State University, San Luis Obispo*

What If You Stop and Think About It? Nutrition Logos and Product Selection Behavior

*Yuko Onozaka, Håvard Hansen, and Elisabeth L. Melbye, University of Stavanger*

Does More Cooking Mean Better Eating? Estimating the Relationship between Time Spent in Food Preparation and Diet Quality

*Lisa Mancino and Christian A. Gregory, USDA-Economic Research Service*

## 2052 Topics in Industrial Organization and Supply Chain Management

Washington State Convention Center, Room 612

### Selected Paper Session

This session includes papers on a variety of topics related to industrial organization and supply chain management.

**Moderator:** Dayton M. Lambert, University of Tennessee

#### Presentations:

Asymmetric Price Transmission: A Copula Approach

*Feng Qiu and Barry K. Goodwin, North Carolina State University*

Is Small Beautiful? Exploring the Link between Firms Size and Preventive Effort

*Elodie Rouviere, AgroParisTech; Raphael Soubeyran, Institut National de la Recherche Agronomique*

Reducing GHG Emissions and Energy Input in the U.S. Supply Chain of Ethanol and Gasoline

*Yehushua S. Fatal, Sofia Kotsiri, Hernan A. Tejada, and Congnan Zhan, North Carolina State University*

Geographic Distribution of Renewable Energy Sector Industries: An Analysis Using Recent Developments in Industry Concentration Measurement

*Dayton M. Lambert, David L. Register, Burton C. English, Kimberly L. Jensen, Robert J. Menard, and Michael D. Wilcox, Jr., University of Tennessee*

## 2053 Market Integration and Participation

Washington State Convention Center, Room 613

### Selected Paper Session

This session focuses on innovations for providing improved market access and information about markets to producers and businesses.

**Moderator:** Tisorn Songsermsawas, University of Illinois at Urbana-Champaign

#### Presentations:

Measuring Market Integration in the Presence of Threshold Effect: The Case of Bangladesh Rice Markets

*Mohammad J. Alam, Ghent University*

Third-party Facilitation of Market Linkages in the Agri-food Supply Chain: Evidence from Armenian Vegetable Industry

*Aleksan Shanoyan, Kansas State University; J. Roy Black, Michigan State University; Hamish R. Gow, Massey University; Christopher Peterson, MSU Product Center; Robert Brent Ross, Michigan State University*

Sustaining Small and Medium Enterprises through Financial Service Utilization: Does Financial Literacy Matter?

*Jacob Nunoo, University of Cape Coast*

Friends or Traders? Do Social Networks Affect the Use of Market Mechanisms by Farmers in India

*Katherine R. Baylis and Ashwini Chhatre, University of Illinois at Urbana-Champaign; Satya Prasanna, Independent Scholar; Tisorn Songsermsawas, University of Illinois at Urbana-Champaign*

## Concurrent Sessions—Tuesday, 12:30 pm–2:00 pm

### **2054 Ten Thousand Labels: Credence Attributes, Product Differentiation, and Information Flows in the Food System**

*Washington State Convention Center, Room 614*

#### **Organized Symposium**

The objective of this symposium is to present a coherent picture and promote a critical discussion of the current practices, trends and regulations associated with labeling of credence attributes in differentiated food markets. The focus of the symposium is on labels providing information regarding 1) nutritional outcomes, 2) environmental impact, 3) animal welfare, and 4) other ethical considerations.

**Organizer:** Marco Costanigro, Colorado State University

**Moderator:** Marco Costanigro, Colorado State University

**Discussant:** Jayson L. Lusk, Oklahoma State University

**Panelists:** Mariano F. Teisl, University of Maine; Glynn T. Tonsor, Kansas State University; Dawn D. Thilmany McFadden and Marco Costanigro, Colorado State University; Vincenzina Caputo, University of Bologna

### **2055 Water Use and Quality**

*Washington State Convention Center, Room 615*

#### **Selected Paper Session**

This group of papers models surface and groundwater use, as well as lake water quality.

**Moderator:** Keith C. Knapp, University of California, Riverside

#### **Presentations:**

An Economic Assessment of Water Quality Improvement BMPs for the Eagle Mountain Lake Watershed

*Jason L. Johnson, Texas AgriLife Extension Service; Clint Wolfe and David Waidler, Texas AgriLife Research*

Integration of GIS and Hydrological Models in a Feasibility Study of Irrigation under Salinity

*Monika Ghimire, Hiren A. Bhavsar, Jongsan Choi, Jeffrey D. Vitale, and Arthur Stoecker, Oklahoma State University*

Sustainability Economics of Groundwater Usage and Management

*Keith C. Knapp and Bradley Franklin, University of California, Riverside*

### **2056 Spatial Dimensions of Agricultural Production and Markets**

*Washington State Convention Center, Room 616*

#### **Selected Paper Session**

This session highlights the role of space in important issues in agricultural markets. Spatially explicit economic and econometric models are applied to inform questions about yield gaps, production technologies, and land rental markets.

**Moderator:** Marten Graubner, Leibniz Institute of Agricultural Development in Central and Eastern Europe

#### **Presentations:**

How Much Drought Is 'Just Right'? Spatial Differences in 'Optimal Drought Severity' for Drought Tolerant Maize  
*Jeremy D. Foltz, University of Wisconsin; Travis J. Lybbert, University of California, Davis*

Spatial Econometric Approaches to Develop Site-specific Nematode Management Strategies in Cotton Production  
*Zheng Liu, Terry Griffin, and Terrence L. Kirkpatrick, University of Arkansas*

Economics of Global Yield Gaps: A Spatial Analysis  
*Uris Lantz C. Baldos and Thomas W. Hertel, Purdue University*

Spatial Competition on Land Rental Markets  
*Marten Graubner and Alfons Balmann, Leibniz Institute of Agricultural Development in Central and Eastern Europe*

### **2057 Biomass Production and Energy Prices**

*Washington State Convention Center, Room 617*

#### **Selected Paper Session**

This session includes papers pertaining to biomass production and energy prices.

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

#### **Presentations:**

Optimal Biomass-harvesting Model for Biobutanol Biorefineries  
*Subbu Kumarappan, The Ohio State University; Satish Joshi, Michigan State University*

Impacts of Energy Prices in U.S. Agricultural Productivity Growth and Food Prices—A Structural VAR Analysis  
*Sun Ling Wang and Lihong L. McPhail, USDA-Economic Research Service*

Renewable Portfolio Standards in the Electricity Industry and Its Impact on Agriculture in the United States

*Jerome R. Dumortier, Indiana University-Purdue University Indianapolis*

# Concurrent Sessions—Tuesday, 12:30 pm–2:00 pm

## 2058 The Additionality Problem in Climate and Conservation Policies

Washington State Convention Center, Room 618

### Selected Paper Session

This session examines the problem of additionality in conservation incentive programs, i.e. do current and potential policies for conservation result in carbon storage or reductions that would not have otherwise occurred.

**Moderator:** Paula Cordero Salas, University of Alabama

#### Presentations:

Additionality in U.S. Agricultural Conservation Programs: A Preliminary Analysis of New Data

*Eric N. Duquette and Roger L. Claassen, USDA-Economic Research Service*

Effects of Carbon-based Border Tax Adjustments on Carbon Leakage and Competitiveness in Livestock Sectors

*Zeynep B. Irfanoglu, Alla Golub, and Thomas W. Hertel, Purdue University; Benjamin Henderson, Food and Agriculture Organization of the United Nations*

Addressing Additionality in REDD Contracts When Formal Enforcement is Absent

*Paula Cordero Salas, University of Alabama; Brian E. Roe and Brent Sohngen, The Ohio State University*

## 2059 Water Quantity and Quality Policy

Washington State Convention Center, Room 619

### Selected Paper Session

In this session, topics in optimal management of water quantity and quality regulation are discussed.

**Moderator:** Beth L. Nielsen, University of Georgia

#### Presentations:

Unraveling Deterrence Effects of Regulatory Activities under the Clean Water Act

*Taro Mieno and Nicholas Brozovic, University of Illinois at Urbana-Champaign*

Cost-effective Design of Reverse Auctions for Watershed Nutrient Reductions: A Case for Observable Conservation Practices

*Sergey S. Rabotyagov, University of Washington; Adriana M. Valcu, Todd Campbell, and Philip W. Gassman, Iowa State University; Manoj K. Jha, North Carolina A&T State University; Catherine Kling, Iowa State University*

Agricultural Groundwater Policy during Drought: A Spatially Differentiated Approach for the Flint River Basin

*Beth L. Nielsen, Jeffrey D. Mullen, John Dowd, and Wendy Wright, University of Georgia*

## 2060 Examining Rural Healthcare

Washington State Convention Center, Room 620

### Selected Paper Session

The presentations in this session examine the policy implications of rural-urban health disparities, policies to increase health care efficiency, and whether healthcare or natural amenities drive migration among retirees.

**Moderator:** Kevin Patrick, USDA-Economic Research Service

#### Presentations:

Exploring Rural-Urban Health Disparities: Lessons from Four Major Diseases in the Commonwealth of Virginia

*Di Zeng, Wen You, Bradford F. Mills, and Jeffrey Alwang, Virginia Tech; Michael O. Royster, Office of Minority Health and Health Equity, Virginia Department of Health*

Are Critical Access Hospitals Less Efficient Than Non-converting, Prospectively Paid Rural Hospitals?

*Justin C. Nedelea and James M. Fannin, Louisiana State University*

Senior Migration Drivers: Natural Amenities vs. Medical Care

*Anne M. Karner and Jeffrey H. Dorfman, University of Georgia*



## 2061 Using Panel Data in Agricultural Economics: Opportunities and Challenges

Washington State Convention Center, Room 204

### Organized Symposium

Panel/longitudinal data allow researchers to undertake analysis which is not possible with cross-sectional analysis and the relevance of the research for policy and program development is enhanced with panel data. In an era of tight budgets having relevant panel data for policy and programs is essential. The presentations in this session highlight panel data usefulness and statistical issues, the use of state farm business management program panel data sets, the use of panel data for policy in Canada, and specific research applications using panel data sources.

**Organizer:** Ani L. Katchova, University of Kentucky

**Moderator:** David W.H. Culver, Agriculture & Agri-Food Canada

**Discussant:** Ani L. Katchova, University of Kentucky

### Presentations:

Panel Data: Usefulness and Statistical Issues

*Jean-Paul Chavas, University of Wisconsin*

The Use of State-level Farm Panel Data from Farm Business Management Programs

*Ani L. Katchova, University of Kentucky*

The Use of Panel Data for Policy Analysis in Canada

*David W.H. Culver, Agriculture & Agri-Food Canada*

The Use of Panel Data for Research

*Roderick M. Rejesus, North Carolina State University; T. Kirk White, USDA-Economic Research Service*

## 2062 Evaluation Approaches for Cellulosic Biofuels—Political and Applied Economics Perspectives on Analytical Methods

Washington State Convention Center, Room 211

### Organized Symposium

This session aims at stimulating a discussion on evaluation of biofuels policy and its effectiveness by providing an overview of different applied economics methodologies that are used for investigating economic, environmental, and social aspects of biofuels markets and policies. It will show and distinguish benefits of different evaluation approaches and underline the implications for investigating various biofuels market and policy questions. The session will include a broad spectrum of biofuels analysts, both scientists and practitioners and help to elaborate on methods to support the process of biofuels market assessments and policy making and design in the future.

**Organizer:** William H. Meyers, University of Missouri

**Moderator:** William H. Meyers, University of Missouri

**Discussants:** David Zilberman, University of California, Berkeley; John N. Ferris, Michigan State University

### Presentations:

Economic Potential for Biofuels in the United States under Various Policy Scenarios

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

Methodological Evaluation Perspective on Sustainability of Conventional and Advanced Biofuels Feedstocks and Biofuels Production

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

Projecting Cellulosic Production and Use: How Many Uncertainties?

*Patrick C. Westhoff, University of Missouri*

## 2063 Topics on Energy

Washington State Convention Center, Room 212

### AERE Session

**Moderator:** C.-Y. Cynthia Lin, University of California, Davis

### Presentations:

How Consumers Respond to Product Certification: A Welfare Analysis of the Energy Star Program

*Sébastien Houde, Stanford University*

Implications of Yield Growth Assumptions for Domestic Energy Crops and Land Competition

*Elizabeth Marshall, USDA-Economic Research Service*

Industrial Organization and the Energy Efficiency Paradox

*Louis-Gaëtan Giraudet, Stanford University*

Do Actions Speak As Loud As Words? Commitments to “Going Green” on Campus

*Philip Sirianni and Michael O’Hara, Colgate University*

## Concurrent Sessions—Tuesday, 4:00 pm–5:30 pm

### 2064 Production Practices

Washington State Convention Center, Room 213

#### Selected Paper Session

This session presents studies on production practices. Production practices studied include integrated pest management (IPM), best management practices for biogas recovery system in dairy operations, and organic and conventional production systems and their farm characteristics and costs/returns structures. Another paper studies the impact of weather events on the ability to conduct field operations.

**Moderator:** Tyler B. Mark, Morehead State University

#### Presentations:

Intensity of Integrated Pest Management (IPM) Practices Adoption by Plant Nursery Producers

*Mahesh Pandit, Krishna P. Paudel, and Roger A. Hinson, Louisiana State University*

Best Management Practices for Designing and Operating a Biogas Recovery System under a Time-of-Use Net-metering Program: A Focus on Electricity Revenue Generation from Two California Dairies

*Sean P. Hurley, California Polytechnic State University, San Luis Obispo*

The Structure and Profitability of Organic Field Crop Production  
*William D. McBride, Catherine R. Greene, Mir B. Ali, and Linda F. Foreman, USDA-Economic Research Service*

Revisiting Days Suitable for Fieldwork and Crop Progress Timing Relative to Global Climate Cycles in a Farm Management Context  
*Terry Griffin, University of Arkansas; Tyler B. Mark, Morehead State University*

### 2065 Economic Research to Meet the Needs of Policymakers and Industry: Food Safety and Produce

Washington State Convention Center, Room 214

#### Organized Symposium

This symposium presents a panel discussion of economists and others involved in the produce industry to discuss the most important directions for future research in food safety and produce.

**Organizers:** Roberta L. Cook, University of California, Davis; Belinda Acuna and Andrew J. Estrin, U.S. Food and Drug Administration; Suzanne D. Thornsbury and Linda Sue Calvin, USDA-Economic Research Service

**Moderator:** Laurian J. Unnevehr, USDA-Economic Research Service

**Panelists:** Andrew J. Estrin, U.S. Food and Drug Administration; Helen H. Jensen, Iowa State University; Deborah Carter, Northwest Horticultural Council; David Gombas, United Fresh; Robert Holland, USDA-National Institute of Food and Agriculture

#### Presentation:

Current State of Economic Research

*Linda Sue Calvin, USDA-Economic Research Service*

### 2066 Is Subsidizing Farm Crop and Revenue Insurance Economically Justified?

Washington State Convention Center, Room 303

#### Invited Paper Session/ARA Section and Senior Section Track Session

Subsidized crop insurance has become the major farm program. Crop insurance subsidies already amount to about \$6 billion per year and current proposals for replacing direct payments with “shallow-loss protection” would raise the levels of subsidized protection and increase the cost of the program. The economic justification for subsidizing farming in this way deserves continued critical public examination.

**Organizer:** Richard G. Heifner, Retired

**Moderator:** Richard G. Heifner, Retired

**Discussant:** Gary D. Schnitkey, University of Illinois at Urbana-Champaign

#### Presentations:

Why Has Subsidizing Crop Insurance Become the Farm Program of Choice?

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

What Harm Is Done by Subsidizing Crop Insurance?

*Barry K. Goodwin, North Carolina State University*

What Benefits Accrue from Subsidizing Crop Insurance?

*Keith H. Coble, Mississippi State University*

## 2067 High Global Food Prices, Price Volatility, and China

Washington State Convention Center, Room 304

### China Section and International Section Track Session

This session focuses on the role of China and other developing countries in high global food prices and global food price volatility, and the impacts of high prices and price volatility on China and other developing countries. Global food prices have been highly volatile during the past five years, with prices during 2007–2008 and in 2011 significantly above long-term averages. China, as a major player in global agricultural markets and home to approximately one-fifth of the world's population, is one of the most important countries to consider when examining the current global food price environment.

**Organizer:** David Abler, Penn State University/By The Numbers

**Moderator:** Thomas I. Wahl, North Dakota State University

#### Presentations:

Preventing Global Food Price Volatility: The Role of China  
*Shenggen Fan, International Food Policy Research Institute*

Food Production and Food Demand in an Era of High Global Food Prices: The China Case  
*Scott D. Rozelle, Stanford University; Jikun Huang and Jun Yang, Chinese Academy of Sciences*

High Food Prices and Food Security  
*William J. Martin, World Bank*

Japanaization of Chinese Agriculture  
*Keijiro Otsuka, National Graduate Institute for Policy Studies*

## 2068 Teaching Undergraduate and Graduate Econometrics

Washington State Convention Center, Room 305

### Econometrics Section Track Session

Econometrics is a fundamental tool for agricultural and applied economists. Given increased access to data and information, training students in econometrics is ever more important at both the undergraduate and graduate levels. This session focuses teaching approaches and tools from successful instructors, which impact learning outcomes for undergraduate and graduate students.

**Organizer:** Thomas L. Marsh, Washington State University

**Moderator:** Thomas L. Marsh, Washington State University

**Panelists:** Walter N. Thurman, North Carolina State University; Christopher S. McIntosh, University of Idaho; Vicki A. McCracken, Washington State University

## 2069 Obesity, Diet, and Health

Washington State Convention Center, Room 307

### FSN Section and Senior Section Track Session

As the effects of the obesity epidemic continue to be felt, it is clear that the way Americans eat needs to be improved. This session provides insights from current research into changing U.S. health dynamics and thoughts on potential solutions. The roles of economic and time constraints, consumer attitudes, public policy incentives to change behavior, and the link between food retailers' corporate social responsibility strategies and the supply of healthier products to the market will be addressed.

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

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

#### Presentations:

Economic and Time Constraints Associated with Dietary Adherence among Type-2 Diabetes Patients

*Sven M. Anders and Denise Maxwell, University of Alberta; Sean B. Cash, Tufts University; Rhonda Bell and Cathy Chan, University of Alberta*

Health Attitudes, Knowledge, and Behavior in Rural Communities: Impacts on Obesity

*Conrad P. Lyford, Texas Tech University; Eric Belasco, Montana State University; Barent McCool and Audrey McCool, Texas Tech University; Tyra Carter, United Supermarkets, LLC; Barbara Pence, Texas Tech University Health Sciences Center*

Understanding Conflicting and Compatible Incentives for Retailers in Promoting Healthy Eating

*Wen You and George C. Davis, Virginia Tech*

Food Retail Corporate Social Responsibility (CSR) in the UK: Promise and Practice

*Diogo M. Souza Monteiro, University of Kent; Neal H. Hooker, Saint Joseph's University*

## Concurrent Sessions—Tuesday, 4:00 pm–5:30 pm

### 2070 Emerging Markets and Agricultural Trade

*Washington State Convention Center, Room 308*

#### International Section Track Session

Developing countries are expected to be the main source of the projected growth in global food demand and trade in the future. Research by IATRC members and others suggests that one reason is the greater sensitivity of food spending in developing countries to income growth than in developed countries. Moreover, more supplying regions in developing countries seem to be integrating with world markets. Policy makers think ahead to what world agricultural trade and trade policy would look like in five, ten, or more years if current trends in macroeconomic and market integration continue. Key questions include regional integration in the developing world, “south-south” trade agreements, and expectations about macroeconomic performance in coming decades and its impacts on both supply and demand. Researchers are asked to consider a future in which the leading developing countries take further strides forward, and a host of other developing countries that have only experienced initial steps forward at present press on towards greater market development, integration with world markets, and trade.

**Organizer:** Wyatt W. Thompson, University of Missouri

**Moderator:** Wyatt W. Thompson, University of Missouri

**Discussant:** P. Lynn Kennedy, Louisiana State University

#### Presentations:

Analysis of Food Consumption Patterns in Developing and Emerging Markets

*Andrew Muhammad, USDA-Economic Research Service; James L. Seale, Jr., University of Florida; Birgit G. Meade, USDA-Economic Research Service; Anita Regmi, USDA-Office of Chief Scientist*

How Goods Move: Coordination between Farmers, Manufacturers, Traders, and Other Agents in Emerging Markets

*Dave D. Weatherspoon, Michigan State University; Athur Mabiso, International Food Policy Research Institute*

How Domestic Agricultural and Trade Policy Influence the Agricultural Commodity Demand and Supply Balances, and What This Implies for Agricultural Trade, with a Focus on China

*Wusheng Yu and Hans Grinsted Jensen, University of Copenhagen*

Bilateralism and Multilateralism in International Trade and the Emerging Markets

*David Blandford, Penn State University*

### 2071 Understanding the Multiple Impacts from Marketing Locally Grown Food, Food Products, and Agri-recreational Services

*Washington State Convention Center, Room 309*

#### CENET and IBES Track Session

The local food movement has received a great deal of recent attention from policy makers and consumers because of the potential it holds for food quality, health attributes, the environment, and community development. But, the hard evidence of positive outcomes is not well-established. The local foods movement is relatively young and local foods do not constitute a large segment of the U.S. food market. In addition, little is understood about the behavioral motivations driving consumer spending on locally grown foods. A role for our profession is to provide the evidence to quantify these links in a rigorous manner.

**Organizer:** Mary Clare Ahearn, USDA-Economic Research Service

**Moderator:** Dawn D. Thilmany McFadden, Colorado State University

**Discussant:** Dawn D. Thilmany McFadden, Colorado State University

#### Presentations:

Local Market Strategies of Farm Households: Vermont, Northeast, and the U.S.

*Chyi-Lyi (Kathleen) Liang, University of Vermont; Mary Clare Ahearn, USDA-Economic Research Service*

Regional Impacts of Local Food Sales in the Northeast and U.S.

*Jason P. Brown, USDA-Economic Research Service; Stephan J. Goetz and David A. Fleming, Penn State University*

Regional Consumer Demand for Locally Grown Foods in the Southeastern U.S.

*Kimberly L. Morgan, Mississippi State University*

# Concurrent Sessions—Tuesday, 4:00 pm–5:30 pm

## 2072 Agribusiness Pricing Issues

Washington State Convention Center, Room 602

### Selected Paper Session

Pricing issues are relevant to the marketing, general strategy, and overall profitability of a firm. The presentations in this session present a variety of models and approaches used by agribusinesses to examine price formation and response.

**Moderator:** Christopher W. Taylor, University of Wisconsin

#### Presentations:

Price Formation of Hops in the United States  
*Gnel Gabrielyan and Thomas L. Marsh, Washington State University*

A High-dimensional, Multivariate Copula Approach to Modeling Multivariate Agricultural Price Relationships and Tail Dependencies  
*Xuan Chi and Barry K. Goodwin, North Carolina State University*

Vertical Price Transmission in Differentiated Product Markets: Disaggregated Study for Milk and Butter  
*Jens-Peter Loy, Thore Holm, and Carsten Steinhagen, University of Kiel*

Market Reactions to USDA Reports: State Analysis of Corn Price Response  
*Christopher W. Taylor, University of Wisconsin*

## 2073 Measuring Risk Attitudes and Preferences

Washington State Convention Center, Room 603

### Selected Paper Session

Presentations in this session focus on understanding market participants' attitudes toward risk and uncertainty. These papers demonstrate innovative techniques to measuring risk attitudes and preferences.

**Moderator:** Kwansoo Kim, Seoul National University

#### Presentations:

Measures of Risk Attitude and Relation to Market Behavior  
*Jason Franken, Western Illinois University; Joost M. E. Pennings, Maastricht University/Wageningen University; Philip Garcia, University of Illinois at Urbana-Champaign*

Common Knowledge: Removing Uncertainty in Risk Preference Assessments  
*Thomas W. Sproul, University of Rhode Island*

The Assessment and Evaluation of Downside Risk: A Quantile Approach  
*Kwansoo Kim, Seoul National University; Jean-Paul Chavas, Bradford L. Barham, and Jeremy D. Foltz, University of Wisconsin*

## 2074 The Retail Food Market

Washington State Convention Center, Room 604

### Selected Paper Session

This session explores the factors affecting the retail food market.

**Moderator:** Sebastien Pouliot, Iowa State University

#### Presentations:

A Censored Demand System Analysis of Fruits and Vegetables by Different Income Groups Using Micro Data  
*Luyuan Niu and Michael K. Wohlgenant, North Carolina State University*

Price Dynamics in Food-energy Market in China  
*Juan Yang, Peking University; David J. Leatham, Texas A&M University*

Social Networks and New Product Choice  
*Timothy J. Richards, Arizona State University; Stephen F. Hamilton, California Polytechnic State University, San Luis Obispo*

Consumer Confidence and the 2010 Egg Recall  
*Sebastien Pouliot, Iowa State University*

## 2075 Climate Change and Valuation

Washington State Convention Center, Room 606

### Selected Paper Session

This session focuses on papers related to climate change and policy. Topics include consumer choices, land market impacts, and public preferences for mitigation.

**Moderator:** Sharon A. Shewmake, University of California, Davis

#### Presentations:

Climate Change Impacts on U.S. Migration and Household Location Choice  
*Qin Fan, Penn State University; Allen Klaiber, The Ohio State University; Karen Fisher-Vanden, Penn State University*

Climate Change, Vegetation, and Welfare: Estimating the Welfare Loss to Landowners of Marginal Shifts in Blue Oak Habitat  
*Peter H. Howard, University of California, Davis*

Public Preferences, Attitudes and Choices toward Climate Change Policies in Spain: A Hybrid Mixture Model  
*W. Michael Hanemann, University of California, Berkeley; Xavier Labandeira, Universidade de Vigo; Maria L. Loureiro, Universidade de Santiago de Compostela*

Carbon Labeling for Consumer Food Goods  
*Sharon A. Shewmake, University of California, Davis; Abigail M. Okrent, USDA-Economic Research Service; Lanka Thabrew and Michael Vandenberg, Vanderbilt University*

## Concurrent Sessions—Tuesday, 4:00 pm–5:30 pm

### 2076 International Consumers and Markets *Washington State Convention Center, Room 607*

#### Selected Paper Session

This session is truly international with markets and consumers from Nicaragua, Korea, India, and Ghana being studied. Producers' decisions with regard to marketing are evaluated, as well as consumers' attitudes about food production.

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

#### Presentations:

Tomato Farmers and Modern Markets in Nicaragua: A Duration Analysis

*Ricardo A. Hernandez and Thomas A. Reardon, Michigan State University*

Optimal Bidding Strategy in an Agriculture Commodity Auction in Southern India

*S. Aaron Hegde, Daniel Betancourt, and Christina Rico, California State University, Bakersfield*

Characteristics of Females in Urban Korea that Influence Attitudes toward Food Production Practices

*Padmanand Madhavan Nambiar and Wojciech J. Florkowski, University of Georgia; Dong-Kyun Suh, Rural Development Administration, Republic of Korea*

Food Expenditures and Income in Rural Households in the Northern Region of Ghana

*Ting Meng and Wojciech J. Florkowski, University of Georgia; Shashidhara Kolavalli, International Food Policy Research Institute; Mohammed Ibrahim, Fort Valley State University*

### 2077 Impacts of Biofuels Policies in the United States and Brazil *Washington State Convention Center, Room 608*

#### Selected Paper Session

In the last decade, the biggest driver of change in agriculture has been government policies promoting biofuels. As of December 31, 2011, the United States let its ethanol subsidy expire. This session focuses on the impact of changes in biofuel policies in the United States and the impacts of biofuel policies on agricultural sectors in the United States and Brazil.

**Moderator:** Constanza Valdes, USDA-Economic Research Service

#### Presentations:

Optimal Ethanol Policies for the United States in a General Equilibrium Framework

*Kristen Cooper, Harry de Gorter, and Dusan Drabik, Cornell University*

An Empirical Assessment of Simultaneous Ethanol Policy Changes on U.S. Agricultural Markets

*Anton Bekkerman, Montana State University; James A. Brown, Cargill, Inc.; Joseph A. Atwood and Myles J. Watts, Montana State University*

The Long-run Impacts of Ethanol Subsidies and Ethanol Expansion on the U.S. Corn and Pig Sectors

*Jacinto F. Fabiosa, Iowa State University*

Assessing Brazil's Biofuel Industry Impacts on Land Use, Crops, and Livestock Production

*Constanza Valdes, USDA-Economic Research Service; Kim C. Hjort, Economic Analysis Systems; Ralph M. Seeley, USDA-Economic Research Service; Heloisa Lee Burnquist, University of São Paulo*

# Concurrent Sessions—Tuesday, 4:00 pm–5:30 pm

## 2078 Federal Nutrition Assistance Policy

Washington State Convention Center, Room 609

### Selected Paper Session

This session features a collection of papers that study important federal nutrition support programs. Several studies look at the effects on health, food security, and diet quality.

**Moderator:** Joseph William Levedahl, USDA-Economic Research Service

#### Presentations:

Are National School Lunch Program Participants More Likely to Be Obese?

*Janet G. Peckham and Jaclyn D. Kropp, Clemson University*

The Effect of Supplemental Nutrition Assistance Program on Food Spending Among Low-income Households

*Tullaya Boonsaeng and Carlos E. Carpio, Clemson University; Chen Zhen, RTI International; Abigail M. Okrent, USDA-Economic Research Service*

SNAP and Food Insecurity Dynamics: Using Intra-annual Measurements

*Bradford F. Mills, Virginia Tech; Elton Mykerezzi, University of Minnesota; Yiran Li, Virginia Tech*

Net Taxpayer Cost of Providing WIC Infant Formula

*Joseph William Levedahl and Albert J. Reed, USDA-Economic Research Service*

## 2079 Food Safety Studies on Meat and Seafood

Washington State Convention Center, Room 611

### Selected Paper Session

Two presentations will address food safety issues of meat and seafood products. Furthermore, this session will provide a comparative view of current food demand issues in North America and selected regions within the United States.

**Moderator:** Emily A. Blunt, Texas A&M University

#### Presentations:

Food Safety and the Demand for Meat Products

*Elina Tselepidakis, University of Maryland*

The Effect of Consumers' Trust on Their Stated Responses to Food Safety Incidents: Case of Meat in Canada and the United States

*Violet Muringai and Ellen W. Goddard, University of Alberta*

Econometric Analysis of Maine's Mercury Advisory

*Haley M. Engelberth, Mariano F. Teisl, Caroline Noblet, and Kathleen P. Bell, University of Maine; Eric Frohberg, Karyn Butts, and Andrew Smith, Maine Center for Disease Control and Prevention*

Protection Motivation Theory and Consumer Willingness to Pay for Processed Gulf Oysters

*Emily A. Blunt and Richard T. Woodward, Texas A&M University*

## 2080 Graduate Student Extension Competition Winners' Presentations

Washington State Convention Center, Room 612

### Extension Section and GSS Track Session

The Extension and Graduate Student sections of the AAEA will conduct a competition for graduate students on Extension programs. This competition involves Extension and Outreach applications, plans, and programs as developed by the graduate student competitors. A main purpose of the competition is to encourage graduate students to include in their professional education some appropriate and well developed Extension relevant analysis and planning related to their overall program. The winners of this competition will present during this session.

**Organizers:** Margaretha V. Rudstrom, University of Minnesota at Crookston; Brian R. Williams, Oklahoma State University

**Moderators:** Brian R. Williams, Oklahoma State University; Margaretha V. Rudstrom, University of Minnesota at Crookston

## 2081 Intrahousehold Resource Allocation

Washington State Convention Center, Room 613

### Selected Paper Session

This session explores issues related to intrahousehold resource allocation with focus on education of women and children.

**Moderator:** Carolina Castilla, Colgate University

#### Presentations:

Schooling Achievement amongst Zimbabwean Children during a Period of Economic Chaos, 2001–2007/8

*Catherine Larochelle and Jeffrey Alwang, Virginia Tech*

Empowering Women through Education and Influence: An Evaluation of the Indian Mahila Samakhyia Program

*Eshani Kandpal, World Bank; Katherine R. Baylis and Mary P. Arends-Kuenning, University of Illinois at Urbana-Champaign*

Intrahousehold Allocation under Asymmetric Information: Different Incentives to Hide Money between Spouses in Rural Ghana

*Carolina Castilla, Colgate University; Thomas Walker, World Bank*

# Concurrent Sessions—Tuesday, 4:00 pm–5:30 pm

## 2082 Trade and Developing Countries

Washington State Convention Center, Room 614

### Selected Paper Session

The papers in this session contribute to our understanding of international trade in a globalizing economy. Each of the papers deals directly or indirectly with some aspect of trade impacts for developing countries.

**Moderator:** Ian Coxhead, University of Wisconsin

#### Presentations:

Effect of Tariff Liberalization on Mexico's Income Distribution in the Presence of Migration

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

China's Small-scale Hog Production and Implications for Trade: Evidence from a Farmer Survey

*Qingbin Wang, University of Vermont; Guangxuan Zhang, Penn State University*

Agricultural Trade Bias in Exchange Rate Volatility Effect Estimation: An Application of Meta-regression Analysis

*John D. Wesley, Xuan Shen, Sheng Li, and Norbert L. W. Wilson, Auburn University*

Trade and Productivity Growth in African Manufacturing

*Ian Coxhead and Jeremy D. Foltz, University of Wisconsin; Tewodaj Mogues, International Food Policy Research Institute*

## 2083 Biofuels

Washington State Convention Center, Room 615

### Selected Paper Session

This group of papers considers various aspects of biofuels, including economic feasibility, carbon emissions, and environmental outcomes.

**Moderator:** Wallace E. Tyner, Purdue University

#### Presentations:

Market Extent for Bioenergy Products: An Analysis Using Weekly Price Data

*Ruth A. Aisabokhae, Padmaja Pancharatnam, and Somali Ghosh, Texas A&M University*

Economic Costs and Environmental Performance for Three Cellulosic Biofuel Pathways

*Sajeev E.M., Tianyun Ji, Wallace E. Tyner, and Ben Gramig, Purdue University*

Induced Land Use Emissions Due to the First and Second Generation Biofuels and Uncertainty in Land Use Emission Factors

*Wallace E. Tyner and Farzad Taheripour, Purdue University*

## 2084 Production Economics

Washington State Convention Center, Room 616

### Selected Paper Session

The papers in this session address important issues in the economics of agricultural production.

**Moderator:** Simone Pieralli, University of Maryland

#### Presentations:

Off-farm Employment and Farming Efficiency in Modern Agriculture: A Dynamic Panel Model Approach

*Hilda M. Bjørnsen, Norwegian Agricultural Economics Research Institute, Norway; Ashok K. Mishra, Louisiana State University*

Application of Comparative Dynamics in Stochastic Invasive Species Management in Agricultural Production

*Liang Lu and Levan Elbakidze, University of Idaho*

Economic Efficiency Adjusted for Risk Preferences

*Elizabeth A. Yeager, Purdue University; Michael R. Langemeier, Kansas State University*

Sources of Agricultural Yield Difference

*Simone Pieralli, University of Maryland*

## 2085 Biotechnology Adoption and Assessment of Research Programs

Washington State Convention Center, Room 617

### Selected Paper Session

The first three papers in this session pertain to crop and livestock technology adoption. The fourth paper provides an assessment of research programs.

**Moderator:** Lin Qin, Oregon State University

#### Presentations:

Sub-therapeutic Antibiotics and the Efficiency of U.S. Hog Farms

*Nigel D. Key and William D. McBride, USDA-Economic Research Service*

Ex-ante Impact Assessment of a Combination Drought- and Submergence-tolerant Rice Variety in the Presence of Climate Change

*Khondoker A. Mottaleb, International Rice Research Institute; Roderick M. Rejesus, North Carolina State University; Samarendu Mohanty and Tao Li, International Rice Research Institute*

Individual and Social Learning in Biotechnology Adoption: The Case of GM Corn in the United States

*Do-il Yoo, University of Wisconsin*

Econometric Assessment of Research Programs: A Bayesian Approach

*Lin Qin and Steven T. Buccola, Oregon State University*



# Concurrent Sessions—Tuesday, 4:00 pm–5:30 pm

## 2086 Biofuels Policy and Agriculture

Washington State Convention Center, Room 618

### Selected Paper Session

This session explores the efficiency of biofuel policy, the implicit price for corn ethanol as a result of current policy, and the dynamic properties of an optimal subsidy policy.

**Moderator:** Rocio Uria-Martinez, Oak Ridge National Laboratory

#### Presentations:

The Shadow Price of GHG Reduction in Corn Ethanol Plants  
*Kassu Wamisho, University of Nebraska*

A Theory of Dynamic Optimal Biofuel Tax Credit  
*Fanglin Ye, University of Illinois at Urbana-Champaign; Liang Lu and Xiaoxue Du, University of Idaho*

Improvement of GTAP Cropland CET Nesting Structure for Impact Evaluation of Cellulosic Biofuels Industry under RFS2  
*Liang Li, Wallace E. Tyner, and Farzad Taheripour, Purdue University*

Advanced Biofuels System Configuration in the United States: Cost and Performance Tradeoffs  
*Rocio Uria-Martinez and Paul N. Leiby, Oak Ridge National Laboratory*

## 2087 Climate Change and the Agricultural Sector

Washington State Convention Center, Room 619

### Selected Paper Session

This session explores the adaptation to and impacts of climate change on the agricultural sector and farm/industry behavior.

**Moderator:** Carol A. Jones, USDA-Economic Research Service

#### Presentations:

Regional Economic and Environmental Impacts of Agricultural Adaptation to a Changing Climate in the United States  
*Scott A. Malcolm, Elizabeth Marshall, Marcel P. Aillery, Paul W. Heisey, Mike Livingston, and Kelly Day-Rubenstein, USDA-Economic Research Service*

Cognitive Heuristics and Farmers' Perceptions of Risks Related to Climate Change  
*Luisa Menapace, University of Trento; Gregory J. Colson, University of Georgia; Roberta Raffaelli, University of Trento*

New Uses of Old Tools: An Assessment of Current and Potential GHG Mitigation with Agricultural Sector Policies  
*Carol A. Jones, Cynthia J. Nickerson, and Paul W. Heisey, USDA-Economic Research Service*

## 2088 How Rural Communities Grow and Prosper

Washington State Convention Center, Room 620

### Selected Paper Session

Presentations include the impact of mandated biofuels on food prices and wages, using social networks to improve farmers' income, the impact of higher education on economic growth, and factors affecting incomes of the self-employed.

**Moderator:** David Brian Willis, Clemson University

#### Presentations:

Energizing Livelihoods: The Impact of the Biofuel Act in the Philippines  
*Jessica Georges, University of Florida*

Kinship Network, Risk Sharing, and Entrepreneurship: Evidence from Rural China  
*Yan Yuan and Zhao Rong, Southwestern University of Finance and Economics*

An Empirical Analysis of Higher Education and Economic Growth in West Virginia  
*Saima Bashir, Lander University; Saman J. Herath Bandara, and Tesfa G. Gebremedhin, West Virginia University*

Evaluating the Determinants of Self-employed Income Across Regional Economies: A Case-study of the U.S. Southeast  
*David Brian Willis, David Hughes and Dvin Surndale, Clemson University; Kathryn Bioys, Virginia Tech*