Welcome to Boston!

AAEA PRESIDENT’S MESSAGE

Thank you very much for being a part of our AAEA Annual Meeting here in Boston. We are pleased to welcome you to this magnificent city. We have a fantastic program planned. Please consider downloading the AAEA Meeting Mobile App, which allows you convenient access to the program and planning tools to organize your time. You can travel a bit more lightly if you have chosen to go green without a paper copy of the program.

Our meeting kicks off with three pre-conferences on Saturday on Big Data in Applied Economics, the “How-To” of Experimental Economics, and a Brewing Industry Tour. Next comes Networking Sunday, which is packed with Section and Committee Meetings, student competitions, and Section/Committee Receptions. The Keynote Address at 6 pm on Sunday features Hilary Hoynes from the University of California, Berkeley, who will discuss why SNAP matters. Hoynes, who is co-Editor of the American Economic Review, explains how food assistance programs impact poverty, food insecurity and health. The Sunday Poster Session directly follows, allowing you to get a first look at the posters and meet authors before flowing into the Welcome Reception to meet up with old friends and make new ones. Please join us for appetizers and beverages to discuss research and catch up.

Monday begins with Jayson Lusk’s Presidential Address on Consumer Research with Big Data. Jayson is provocative and entertaining, so his talk is a must-see event. As you move into the Concurrent Sessions, expect to have to make some hard choices! The program features Invited Paper Sessions, Section Tracks, Selected Presentation Sessions, and Organized Symposia chock full of new work and engaging conversations about applied economics and policy. Highlights on Monday include the Applied Risk Analysis (ARA) section speaker Jeffrey Frankel, Harvard University, who will speak at the ARA luncheon and COSBAE, CWAE, Extension luncheon speaker Ralph Christy, Cornell. Coffee and tea will be on tap in the morning and again during a break in the afternoon to keep everyone going.

The Academic Bowl Finals are at 6 pm on Monday. We will honor and recognize the impressive work of AAEA members at the Awards and Fellows Recognition Ceremony at 6:30 pm on Monday. Receiving the highest recognition of Fellow at this meeting are Klaus Deininger, Jikun Huang, Madhu Khanna, John Miranowski, and Junjie Wu. Please congratulate them when you see them throughout the meeting. Directly following the awards ceremony, Daron Acemoglu, MIT, will speak at the International Section Lecture and Reception. Following that at 9 pm, please socialize at the reunions and receptions that are hosted by universities and other institutions. You don’t have to be an alumnus to attend a reunion. It’s a great chance to get to know your colleagues from other universities in a casual setting.

Tuesday begins with conversations on economics and policy with Jo Swinnen’s Fellow’s Address at 8:30 am on the Economics and Politics of Food Standards and Global Value Chains. The day continues with a full program of Concurrent Sessions and a Networking Lunch make for a stimulating program. You are welcome to grab some food from the networking lunch and attend the Priorities and Solutions Project session at 11:30. UC Berkeley’s Alain de Janvry will give the Galbraith Forum Lecture on what field experiments can tell us about the low adoption rate of technological innovations presumed to be privately profitable. This wraps up the program in the early evening on Tuesday, followed by the closing reception. The Post-conference Workshops on Wednesday include a USDA Project Directors’ meeting, an Extension Tour, and a workshop on Computational Economics.

I am excited to meet you at our Annual Meeting and look forward to talking with you. We thank all of our members who gave their time through organizing tracks and sessions, reviewing selected presentation abstracts, planning Pre- and Post-conference Workshops, organizing student activities and competitions, and serving on committees to select award winners and Fellows. Thanks to all of the participants who have brought their work to Boston to share with colleagues. Thanks to our AAEA Staff for providing excellent meeting development and management. All your efforts are critical to the success of our joint endeavor of creating a meeting space that supports and inspires our work and us.

Jill J. McCluskey
AAEA President
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The mobile app has many great features including:
• Personal customization of your agenda
• Quickly find a session room using the interactive maps
• Find sessions by topic code, AAEA Section Track, or by using the search tool
• Get important updates through the app through Push Notifications
• See who’s attending and share contact information by networking with other attendees
• And much more!
AAEA Leadership

AGRICULTURAL & APPLIED ECONOMICS ASSOCIATION EXECUTIVE BOARD

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Thank You to the Selected Presentations Committee

AAEA would like to extend a special thank you to the Selected Presentations Committee for their efforts in organizing the sessions taking place here in Boston. The committee, with the help of volunteer topic leaders and over three hundred reviewers fielded almost 1200 abstracts to create the topically diverse, high quality sessions that will be presented over the course of the 2016 Annual Meeting.

Chair: Carlos Carpio, Texas Tech University
Jerome Dumortier, Indiana University – Purdue University Indianapolis
Gary Williams, Texas A&M University
Jason Grant, Virginia Tech
Xiang Bi, University of Florida
Jason Winfree, University of Idaho

Topic Leaders:
Amani Elobeid, Iowa State University
Bo Xiong, California Department of Social Services
Brandon McFadden, University of Florida
Carola Grebitus, Arizona State University
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Sergey Rabotyagov, University of Washington
Terry Griffin, Kansas State University
Todd Davis, University of Kentucky
Veronica Pozo, Utah State University
Veronique Theriault, Michigan State University

Thank you to all the 2016 AAEA Annual Meeting Reviewers! This year, AAEA had over 300 Selected Presentation reviewers. This meeting would not be possible without the help of these volunteers.

We would also like to thank the Selected Presentation Paper session moderators for their efforts to actively engage attendees and foster discussion during their session. Thank you!
Meeting Information

REGISTRATION DESK HOURS
4th floor Marriott Copley Place
Sunday, July 31, 7:30 am-7:30 pm
Monday, August 1, 7:30 am-5:00 pm
Tuesday, August 2, 7:30 am-4:00 pm

WI-FI ACCESS
AAEA is providing free Wi-Fi access in the Marriott Copley Place meeting space for all 2016 Annual Meeting attendees.
Wi-Fi Network: AAEA
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ACCESSIBILITY
In accordance with the Americans with Disabilities Act, please inform an AAEA staff member if you need special assistance. Staff members are available on site at the Registration Desk to assist you.

GUESTS
Guests must be registered in order to attend any and all meeting functions, including the Welcome and Closing Receptions, plenary sessions, and all concurrent sessions. Guests include any interested party not professionally in the field of agricultural economics or a related discipline. Children under the age of 16 may attend the meeting for free and do not need to register as a guest.

TAPING OF SESSIONS
Session content is copyright-protected by AAEA. Recording of any session without the consent of AAEA is prohibited. Any taping done with the consent of the appropriate association is for personal use only and cannot be reproduced or distributed.

OTHER EVENTS
Registration is required for all speaker series luncheons and banquets, as well as other special events. A limited number of spots may be available for sale on site. If available, spots will be sold at the registration desk up until the day before the event. No spots will be sold on the day of the event.
AAEA is committed to the “True Cost Pledge.” The association attests that the fee associated with each event is the true cost of the price to cover that event.

ASSOCIATION PHOTOGRAPHER
A professional photographer will be on site at the Annual Meeting taking photos which may be used in future promotional materials for AAEA. If you prefer that you are not included in these photos, please notify the photographer.
Sponsors

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- AAEA Student & Early Career Professional Travel Grants
- AARES-AAEA Young Professional Exchange Program (Heading North/Heading South)
- Pre-conference Workshop: Big Data in Applied Economics: Knowledge and Applications

Farm Foundation
- Pre-conference Workshop: Big Data in Applied Economics: Knowledge and Applications
- Extension/Graduate Student Section Competition

Center for Behavioral & Experimental Agri-Environmental Research (CBEAR)
- Pre-conference Workshop: The “How-To” of Experimental Economics in Agricultural, Environmental, and Applied Research

Center for Farm Financial Management (CFFM)
- Extension Reception

Central University of Finance and Economics (CUFE)
- China Reception

Council on Food, Agriculture, and Resource Economics (CFARE)
- Pre-conference Workshop: Big Data in Applied Economics: Knowledge and Applications

Food and Agricultural Marketing Policy Section of AAEA (FAMPS)
- Pre-conference Workshop: Brewing Industry Tour
- Pre-conference Workshop: Big Data in Applied Economics: Knowledge and Applications

FarmDoc
- Extension Reception

Food Safety and Nutrition Section of AAEA (FSN)
- Pre-conference Workshop: Big Data in Applied Economics: Knowledge and Applications

National Crop Insurance Services Inc. (NCIS)
- COSBAE, CWAE, and Extension Luncheon Speaker Series
- Extension Reception

National Institute of Food and Agriculture (NIFA)
- USDA-NIFA AFRI Project Directors Post-conference Workshop: Economics, Markets & Trade and Environmental Projects

Office of the Chief Economist (OCE)
- Pre-conference Workshop: Big Data in Applied Economics: Knowledge and Applications
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• COSBAE, CWAE, and Extension Luncheon Speaker Series

United Soybean Board
• Pre-conference Workshop: Big Data in Applied Economics: Knowledge and Applications

United States Department of Agriculture-Economic Research Service (USDA-ERS)
• Galbraith Forum
• Pre-conference Workshop: Big Data in Applied Economics: Knowledge and Applications

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The Economic Research Service is a primary source of economic information and research in the U.S. Department of Agriculture. The ERS mission is to inform and enhance public and private decision making in economic and policy issues related to agriculture, food, the environment, and rural development.

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PURDUE UNIVERSITY
Purdue’s Agricultural Economics Department covers a wide array of issues from development, trade, agribusiness, production, and consumption all the way to environmental and resource issues. We also house some outstanding centers: the Global Trade Analysis Project (GTAP), the Center for Food and Agribusiness (CAB), and the Center for Commercial Agriculture (CCA) to name a few.

COUNCIL ON FOOD, AGRICULTURAL AND RESOURCE ECONOMICS
The Council on Food, Agricultural and Resource Economics (C-FARE) is a non-profit organization that promotes the work of applied economists, serving as a conduit between the research and outreach community and Washington, D.C., stakeholders.

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Founded in 1891, the University of Chicago Press is one of the oldest continuously operating university presses in the United States. Its first scholarly publication, the Journal of Political Economy, is now joined by a strong portfolio of economics, humanities, social science, and physical science journals.
Undergraduate Recruitment Fair

Monday, 8:00 am - 4:00 pm
Marriott Copley Place, MIT Foyer

The Undergraduate Recruitment Fair gives undergraduate students who are in Boston a chance to participate in Undergraduate Student Section (SS-AAEA) events and meet and interact with academic departments from around the country that have graduate programs in agricultural and applied economics. Be sure to stop and visit with representatives from these universities in between rounds of the Academic Bowl.

PARTICIPATING ORGANIZATIONS INCLUDE:
- Texas A&M University
- University of Georgia
- Purdue University
- University of Arkansas
- Tufts University
- University of Illinois at Urbana-Champaign
- West Virginia University
- Oklahoma State University
Plenary Sessions

AAEA KEYNOTE ADDRESS
Sunday, July 31st, 6:00-7:00 pm
Salon E/F, 4th floor

Hilary Hoynes, University of California, Berkeley
“Why SNAP Matters: Effects on Poverty, Food Insecurity and Health”

Hilary Hoynes is a Professor of Economics and Public Policy at the University of California Berkeley where she holds the Haas Distinguished Chair in Economic Disparities. She is the co-editor of the leading journal in economics, American Economic Review. Hoynes specializes in the study of poverty and inequality and the effects of government policies on low income families. In recent projects she examines how exposure to Food Stamps and the Earned Income Tax Credit in childhood influences health and human capital contemporaneously and in adulthood. In addition to her faculty appointment, Hoynes has research affiliations at the NBER, the University of California, Davis Center for Poverty Research and the Institute for Fiscal Studies. Hoynes received her undergraduate degree from Colby College and her PhD from Stanford University in 1992.

AAEA PRESIDENTIAL ADDRESS
Monday, August 1, 8:30-9:30 am
Salon E/F, 4th floor

Jayson Lusk, Oklahoma State University
“Consumer Research with Big Data: Applications from the Food Demand Survey (FooDS)”

Jayson Lusk is Regents Professor and Willard Sparks Endowed Chair in the Department of Agricultural Economics at Oklahoma State University. He has a BS in Food Technology and a PhD in Agricultural Economics from Kansas State University. He held previous faculty appointments at Mississippi State and Purdue University.

Lusk is a food and agricultural economist who studies what we eat and why we eat it. Since 2000, Lusk has published more than 170 journal articles in peer reviewed journals, including several of the most cited papers in the profession. He has served on the editorial councils of eight academic journals including the American Journal of Agricultural Economics, the Journal of Environmental Economics and Management, and Food Policy. He was elected to and served on the executive committees of the Southern Agricultural Economics Association, the Western Agricultural Economics Association, and most recently the Agricultural & Applied Economics Association (AASA) for which he currently serves as the President-Elect. Lusk was named a fellow of the AAEA in 2015.

Plenary Sessions

AAEA FELLOWS ADDRESS

Tuesday, August 2, 8:30-9:30 am
Salon E/F, 4th floor

Johan Swinnen, University of Leuven
“Dynamic Economics and Politics of Food Standards and Global Value Chains”

Johan Swinnen is Professor of Economics and Director of the LICOS-Centre for Institutions and Economic Performance at the KU Leuven; Senior Research Fellow at the Centre for European Policy Studies (CEPS); a Visiting Scholar at the Centre for Food Security and the Environment (FSE) at Stanford University. He is a Fellow of the Agricultural & Applied Economics Association (AAEA), a Fellow of the European Association of Agricultural Economists (EAAE), President of the International Association of Agricultural Economists (IAAE, 2012-15) and is the President of The Beeronomics Society. He was previously Lead Economist at the World Bank (2003-04) and Economic Advisor at the European Commission (1998-2001), and has been advisor to many international organizations and governments. He holds a PhD from Cornell University. He has published widely on agricultural and food policies, political economy, institutional reform, trade, global value chains, and standards. His publications have appeared in leading academic journals, such as the Journal of Economic Literature, the Review of Economics and Statistics, Science, Nature, The Lancet, and leading field journals. His recent books include “Quality Standards, Value Chains and International Development” (2015); “The Economics of Chocolate” (2015), “Political Power and Economic Policy” (2011), “The Economics of Beer” (2009), “Global Supply Chains, Standards, and the Poor” (CABI), and “From Marx and Mao to the Market.”

AAEA GALBRAITH FORUM

Tuesday, August 2, 6:15-7:15 pm
Salon E/F, 4th floor

Alain de Janvry, University of California, Berkeley
“The Adoption Puzzle: What Can We Learn from Field Experiments in Agriculture?”

Alain de Janvry is an agricultural economist working on international economic development with expertise in agriculture and rural development. He is a professor of Agriculture and Resource Economics and of Public Policy at the University of California, Berkeley. He was co-director of the World Bank’s “World Development Report” (2008) on Agriculture for Development and author with Elisabeth Sadoulet of “Development Economics: Theory and Practice” (2016). He is a member of the French National Academy of Agriculture and a Fellow of the Agricultural & Applied Economics Association (AAEA).
Speaker Series Events

COSBAE, CWAE, & EXTENSION LUNCHEON SPEAKER SERIES

Monday, August 1, 11:30am-1:00 pm
Salon E/F, 4th floor
* This is a ticketed event.

Professor Ralph D. Christy
“Caught Between a Discipline and a Profession: Agricultural Economics and the Well-Being of Society”

Professor Ralph D. Christy is Director of Cornell International Institute for Food, Agriculture and Development and Professor of Emerging Markets at Cornell University in Ithaca, New York, where he teaches and conducts food marketing research and educational programs on the economic performance of markets and distribution systems. He has advised industry leaders and public policy makers on food marketing strategies, economic development, and the organization of the global food economy. A PhD graduate of Michigan State University's Department of Agricultural Economics, Christy is past President of the Agricultural & Applied Economics Association, and is currently a Board Member of the Winthrop Rockefeller Foundation, WinRock International, and the Agribusiness Capital Fund. He is the author of three books, “A Century of Service: Land Grant Colleges and Universities: 1890-1990” (1992); “Achieving Sustainable Communities in a Global Economy” (2004); and “Emerging Markets” (forthcoming). His most recent research calls attention to the role of creating an enabling environment for accelerating agro-industries’ contributions to sustain economic growth and development.

APPLIED RISK ANALYSIS INVITED SPEAKER LECTURE AND LUNCHEON

Monday, August 1, 11:30-1:00 pm
St. Botolph, 2nd floor
* This is a ticketed event.

Professor Jeffrey Frankel
“How Can Commodity-Exporting Countries Cope with Price Volatility?”

Jeffrey Frankel is James W. Harpel Professor of Capital Formation and Growth at Harvard Kennedy School. He directs the program in International Finance and Macroeconomics at the National Bureau of Economic Research, where he is also on the Business Cycle Dating Committee, which officially declares recessions. He served at the Council of Economic Advisers (CEA) in 1983-84 and 1996-99. As the CEA Member appointed by President Clinton, Frankel’s responsibilities included international economics, macroeconomics, and the environment. Before moving to Harvard, he had been Professor of Economics at the University of California, Berkeley, having joined the faculty in 1979. He has visited the IMF, Federal Reserve Board, and Peterson Institute for International Economics. His research interests include international finance, monetary and fiscal policy, currencies, crises, commodities, international trade, and global environmental issues. His most cited papers are: “The Endogeneity of the Optimum Currency Area Criteria” (with Rose, 1998) and “Does Trade Cause Growth?” (with Romer, 1999). He writes a monthly column for Project Syndicate. He was born in San Francisco, graduated from Swarthmore College, and received his Economics PhD from MIT.
INTERNATIONAL LECTURE AND RECEPTION

Monday, August 1, 8:00-9:30 pm
St. Botolph, 2nd floor

* This is a ticketed event.

Professor Daron Acemoglu
“Is Democracy an Obstacle to Economic Growth?”

Daron Acemoglu is Charles P. Kindleberger Professor of Applied Economics in the Department of Economics at the Massachusetts Institute of Technology and a member of the Economic Growth program of the Canadian Institute of Advanced Research. He is also affiliated with the National Bureau Economic Research, the Center for Economic Performance, the Center for Economic Policy Research, and Microsoft Research Center.

He is an elected Fellow of the American Academy of Arts and Sciences, the Econometric Society, the European Economic Association, and the Society of Labor Economists.

Daron Acemoglu received a BA in economics at the University of York in 1989, a MSc in mathematical economics and econometrics at the London School of Economics in 1990, and a PhD in economics at the London School of Economics in 1992. Since 1993, he has held the academic position of Lecturer at the London School of Economics, and Assistant Professor, Pentti Kouri Associate Professor and Professor of Economics at MIT.

He has received numerous awards and fellowships, including the award for best paper published in the Economic Journal in 1996 for his paper “Consumer Confidence and Rational Expectations: Are Agents’ Beliefs Consistent With Theory?”, the inaugural T.W. Shultz Prize from the University of Chicago in 2004, and the inaugural Sherwin Rosen Award for outstanding contribution to labor economics in 2004, Distinguished Science Award from the Turkish Sciences Association in 2006, the John von Neumann Award, Rajk College, Budapest in 2007.

He was also awarded the John Bates Clark Medal in 2005, given every two years to the best economist in the United States under the age of 40 by the American Economic Association, and holds an Honorary Doctorate from the University of Utrecht.


Daron Acemoglu’s research covers a wide range of areas within economics, including political economy, economic development and growth, human capital theory, growth theory, innovation, search theory, network economics, and learning.

Daron Acemoglu is also the co-editor of “Econometrica” and of the “National Bureau of Economic Research Macroeconomic Annual.”
Meeting Timeline

Saturday, July 30

8:00 am-4:00 pm  Ticketed Event
Pre-Conference Workshop: Big Data in Applied Economics: Knowledge and Applications
Arlington, 3rd floor

1:00-4:30 pm  Ticketed Event
Pre-Conference Workshop Breakouts: Big Data in Applied Economics: Knowledge and Applications
Harvard, Brandeis, and MIT, 3rd floor

11:00 am-4:45 pm  Ticketed Event
Pre-conference Workshop: Brewing Industry Tour
Offsite

1:00-2:00 pm  Ticketed Event
Government Relations Committee Meeting
Provincetown, 4th floor

1:00-5:00 pm  Ticketed Event
Pre-conference Workshop: The “How-To” of Experimental Economics in Agricultural, Environmental and Applied Research
Wellesley, 3rd floor

3:00-5:00 pm  Ticketed Event
Agribusiness: An International Journal Business Meeting
Simmons, 3rd floor

Sunday, July 31

Registration Desk Hours: 7:30 am-7:30 pm, 4th floor
Employment Center Hours: 9:30 am-5:00 pm, Salon G, 4th floor
Professional Headshots Hours: 1:00-6:00 pm, 4th floor

7:30-9:00 am
Section Leader Meeting
Wellesley, 3rd floor

8:00-11:00 am
C-FARE Board Meeting
Simmons, 3rd floor

8:00 am-1:30 pm
AJAE Editors’ Meeting
Tufts, 3rd floor

8:00 am-3:00 pm
GSS Extension Competition
MIT, 3rd floor

8:00 am-3:00 pm
GSS Case Study Competition
Harvard, Brandeis and Northeastern, 3rd floor

9:30-11:00 am
FSN Section Business Meeting
Regis, 3rd floor

9:30-10:30 am
Mentorship Committee Meeting
Suffolk, 3rd floor
Meeting Timeline

10:00-11:00 am
ARA Section Business Meeting
Clarendon, 3rd floor

10:00-11:00 am
CWAE Section Business Meeting
Dartmouth, 3rd floor

10:00-11:00 am
ESIRC Committee Meeting
Exeter, 3rd floor

11:00 am-12:00 pm
Communications Committee Meeting
Fairfield, 3rd floor

11:00 am-12:00 pm
COSBAE Section Business Meeting
Nantucket, 4th floor

11:00 am-12:00 pm
Employment Services Committee Meeting
Salon G, 4th floor

11:15 am-12:15 pm
BEER Section Business Meeting
Exeter, 3rd floor

11:30 am-1:00 pm
Africa Section Business Meeting
Suffolk, 3rd floor

11:30 am-12:30 pm
AEPP Editorial Board Meeting
Clarendon, 3rd floor

12:00-1:00 pm
AAEA Trust Committee Meeting
Regis, 3rd floor

12:00-2:00 pm
EOHDS Spreadsheet Competition
Boston University, 3rd floor

12:30-1:30 pm
AFM Section Business Meeting
Dartmouth, 3rd floor

12:30-2:00 pm
TLC Section Business Meeting
Exeter, 3rd floor

1:00-2:30 pm
International Section Business Meeting
Fairfield, 3rd floor

1:00-3:00 pm
NAAEA Business Meeting
Simmons, 3rd floor
<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:15-2:15 pm</td>
<td>Membership Committee Meeting</td>
<td>Regis, 3rd floor</td>
</tr>
<tr>
<td>1:30-2:30 pm</td>
<td>AJAE Editorial Board Meeting</td>
<td>Tufts, 3rd floor</td>
</tr>
<tr>
<td>1:30-2:30 pm</td>
<td>Experimental Economics Section Business Meeting</td>
<td>Nantucket, 4th floor</td>
</tr>
<tr>
<td>2:00-3:00 pm</td>
<td>ENV Section Business Meeting</td>
<td>Suffolk, 3rd floor</td>
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<tr>
<td>2:00-3:00 pm</td>
<td>Econometrics Section Business Meeting</td>
<td>Clarendon, 3rd floor</td>
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<tr>
<td>2:30-3:30 pm</td>
<td>Related Journal Editors’ Meeting</td>
<td>Tufts, 3rd floor</td>
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<tr>
<td>2:30-3:30 pm</td>
<td>Finance Committee Meeting</td>
<td>Dartmouth, 3rd floor</td>
</tr>
<tr>
<td>2:30-4:30 pm</td>
<td>Latin American Section Business Meeting and Reception</td>
<td>Exeter, 3rd floor</td>
</tr>
<tr>
<td>3:00-4:30 pm</td>
<td>AEM Section Business Meeting</td>
<td>Simmons, 3rd floor</td>
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<tr>
<td>3:00-4:00 pm</td>
<td>CRENET Section Business Meeting</td>
<td>Nantucket, 4th floor</td>
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<tr>
<td>3:00-5:00 pm</td>
<td>Extension Section Business Meeting</td>
<td>Regis, 3rd floor</td>
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<tr>
<td>3:00-5:30 pm</td>
<td>Student Section Paper Competition</td>
<td>Boston University, 3rd floor</td>
</tr>
<tr>
<td>3:30-4:30 pm</td>
<td>Publications Committee Meeting</td>
<td>Suffolk, 3rd floor</td>
</tr>
<tr>
<td>3:30-4:30 pm</td>
<td>Mentoring Recognition Reception</td>
<td>Clarendon, 3rd floor</td>
</tr>
<tr>
<td>4:00-6:00 pm</td>
<td>Australasia Section Business Meeting</td>
<td>Dartmouth, 3rd floor</td>
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</tbody>
</table>
## Meeting Timeline

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<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>4:00-5:00 pm</td>
<td>FAMPS Section Business Meeting and Reception</td>
<td>Wellesley, 3rd floor</td>
</tr>
<tr>
<td>3:00-4:30 pm</td>
<td>Senior Section Business Meeting and Reception</td>
<td>Fairfield, 3rd floor</td>
</tr>
<tr>
<td>4:30-5:30 pm</td>
<td><em>Choices</em> Editorial Board Meeting</td>
<td>Nantucket, 4th floor</td>
</tr>
<tr>
<td>4:30-5:30 pm</td>
<td>Early Career Professionals Networking Reception</td>
<td>St. Botolph, 2nd floor</td>
</tr>
<tr>
<td>5:00-6:00 pm</td>
<td>Extension Section Reception</td>
<td>Arlington, 3rd floor</td>
</tr>
<tr>
<td>5:00-6:00 pm</td>
<td>COSBAE &amp; CWAE Section Reception</td>
<td>Suffolk, 3rd floor</td>
</tr>
<tr>
<td>4:30-5:30 pm</td>
<td>AEM Section Reception</td>
<td>Simmons, 3rd floor</td>
</tr>
<tr>
<td>5:00-6:00 pm</td>
<td>China Section Business Meeting and Reception</td>
<td>Berkeley, 3rd floor</td>
</tr>
<tr>
<td>6:00-7:00 pm</td>
<td>Keynote Address: Hilary Hoynes, University of California, Berkeley</td>
<td>Salons E/F, 4th floor</td>
</tr>
<tr>
<td>7:00-8:00 pm</td>
<td>Sunday Poster Session</td>
<td>Gloucester, 3rd floor</td>
</tr>
<tr>
<td>7:00-9:00 pm</td>
<td>SS-AAEA Student Mixer and Academic Bowl Orientation</td>
<td>Arlington, 3rd floor</td>
</tr>
<tr>
<td>8:00-10:00 pm</td>
<td>Welcome Reception</td>
<td>Salons E/F and Ballroom Foyer, 4th floor</td>
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</tbody>
</table>
Meeting Timeline

Monday, August 1

Registration Desk Hours: 7:30 am-5:00 pm, 4th floor
Employment Center Hours: 9:30 am-5:00 pm, Salon G, 4th floor
Exhibit Booth Hours: 8:00 am-4:00 pm, Ballroom Foyer, 4th floor
Poster Hall Hours: 8:00 am-4:00 pm, Gloucester, 3rd floor

8:00-8:30 am
AAEA Business Meeting
Salons E/F, 4th floor

8:00 am-4:00 pm
SS-AAEA Academic Bowl
MIT, Brandeis, and Northeastern, 3rd floor

8:00 am-4:00 pm
Undergraduate Recruitment Fair
MIT Foyer, 3rd floor

8:30-9:30 am
AAEA Presidential Address: Jayson Lusk, Oklahoma State University
Salon E/F, 4th floor

9:45-11:15 am
AAEA Concurrent Sessions (see page 31)

9:45 am-11:15 am
BREXIT
Salon C

11:30 am-1:00 pm
Selected Poster Presentations
Gloucester, 3rd floor

11:30 am-1:00 pm
COSBAE & CWAE and Extension Section Speaker Series and Luncheon
Salon E/F, 4th floor

11:30 am-1:00 pm
Applied Risk Analysis Invited Speaker Lecture and Luncheon
St. Botolph, 2nd floor

1:00-2:30 pm
AAEA Concurrent Sessions (see page 31)

1:30-4:00 pm
GSS Case Study Finals
Tufts and Boston University, 3rd floor

2:45-4:15 pm
AAEA Concurrent Sessions (see page 31)

4:30-6:00 pm
AAEA Concurrent Sessions (see page 31)

6:00-6:30 pm
SS-AAEA Academic Bowl Finals
Salons E/F, 4th floor

6:30-7:45 pm
AAEA Awards and Fellows Recognition Ceremony
Salons E/F, 4th floor
Meeting Timeline

8:00-9:00 pm
Student Section Business Meeting
Provincetown, 4th floor

8:00-9:30 pm
International Lecture and Reception
St. Botolph, 2nd floor

Reunions & Receptions

Monday, 9:00 –11:00 pm
Various rooms, 3rd floor

University of Connecticut, University of Massachusetts, University of Rhode Island, Clark University, Tufts University
Dartmouth

Cornell University, The Pennsylvania State University
Harvard

Washington State University, Oregon State University, University of Idaho
Arlington

Giannini Foundation of Agricultural Economics, University of California, Berkeley, University of California, Davis, University of California, Riverside
Clarendon/Berkeley

North Carolina State University, University of Maryland, Virginia Tech, Journal of Environmental Economics and Management
Wellesley

Oklahoma State University, University of Missouri, Kansas State University, University of Nebraska-Lincoln
Suffolk

University of Minnesota, Iowa State University, University of Wisconsin
Simmons

University of Illinois at Urbana-Champaign, Purdue University, Michigan State University, The Ohio State University
Fairfield/Exeter

Texas A&M University, University of Arkansas, University of Georgia, University of Florida, Auburn University, Mississippi State University
Regis

Canadian Agricultural Economics Society (CAES)
MIT

Renmin University of China
Tufts
Meeting Timeline

Tuesday, August 2

**Registration Desk Hours:** 7:30 am-4:00 pm, 4th floor

**Employment Center Hours:** 9:30 am-4:00 pm, Salon G, 4th floor

**Exhibit Booth Hours:** 8:00 am-4:00 pm, Ballroom Foyer, 4th floor

**Poster Hall Hours:** 8:00 am-2:00 pm, Gloucester, 3rd floor

**8:30-9:30 am**
AAEA Fellows Address: Jo Swinnen, University of Leuven
Salon E/F, 4th floor

**9:45-11:15 am**
AAEA Concurrent Sessions (see page 31)

**11:15 am-12:45 pm**
Selected Poster Presentations
Gloucester, 3rd floor

**11:15 am-12:45 pm**
Networking Lunch
Ballroom Foyer, 4th floor

**11:30 am-12:30 pm**
Galbraith Committee Meeting
Salon D, 4th floor

**11:30 am-12:30 pm**
IBES Section Business Meeting
Salon C, 4th floor

**11:30 am-12:45 pm**
Working with the Media Training Session
Provincetown, 4th floor

**1:00-2:30 pm**
AAEA Concurrent Sessions (see page 31)

**2:45-4:15 pm**
AAEA Concurrent Sessions (see page 31)

**4:30-6:00 pm**
AAEA Concurrent Sessions (see page 31)

**6:15-7:15 pm**
AAEA Galbraith Forum: Alain de Janvry, University of California, Berkeley
Salons E/F, 4th floor

**7:15-8:15 pm**
Closing Reception
Salon G, 4th floor

Wednesday, August 3

**8:00 am-5:00 pm**
Post-conference Workshop: Applied Computational Economics
Suffolk, 3rd floor

**8:00 am-12:00 pm, continued at 1:00-5:00 pm**
Arlington, 3rd floor
Posters
Gloucester, 3rd floor

All posters will be on display Sunday through Tuesday. A Poster Session will be held on Sunday evening 7:00-8:00 pm. Complimentary drink tickets (redeemable at the Welcome Reception) to the first 300 attendees to visit the poster hall. Poster presenters with odd poster numbers will present at 11:30 am-1:00 pm on Monday and poster presenters with even poster numbers will present 11:15 am-12:45 pm on Tuesday.

Agribusiness Economics and Management

2 Commodity Investment Flows and Crude Oil Futures Returns
   *Lei Yan*, Illinois at Urbana-Champaign; Scott H. Irwin, University of Illinois at Urbana-Champaign; Dwight R. Sanders, Southern Illinois University

3 Determinants of Weanling Thoroughbred Auction Prices
   *Charlotte R. Hansen*, University of Kentucky; Christina Jill Stowe, University of Kentucky

4 Price Discovery and Price Transparency in the U.S. Cheese Industry
   *Yuliya Bolotova*, Clemson University

5 Economics of Aflatoxin Risk Management in Selected Southern States
   *Mark L. Waller*, Texas A&M AgriLife Extension Service; Joe L. Outlaw, Texas A&M University; James W. Richardson, Texas A&M University; Nicholas Richburg, Texas A&M University; Mark Welch, Texas A&M University; Levi A. Russell, Texas A&M University; Larry Falconer, Mississippi State University; Kurt M. Guidry, Louisiana State University; Nathan Smith, The University of Georgia

6 Comprehensive Partial Budgets for Cover Crops in Midwest Row Crop Agriculture
   *Fangge Liu*, Iowa State University; Alejandro Plastina, Iowa State University

Ag Finance and Farm Management

7 Optimally Achieving Milk Bulk Tank Somatic Cell Count Thresholds
   *Jason Troendle*, Cornell University; Loren W. Tauer, Cornell University; Yrjo Grohn, Cornell University

8 Financial Characteristics of Arkansas Farms, 2002-2013
   *Yuying Zhao*, University of Arkansas; Bruce L. Ahrends, University of Arkansas; Bruce L. Dixon, University of Arkansas; Diana Danforth, University of Arkansas

9 U.S. Farm Transition and the Process of Transferring Land Ownership
   *James Michael Harris*, USDA-Economic Research Service; Ashok K. Mishra, Arizona State University

10 Economic Incentives, Transaction Costs and Carbon Trading: The Economics of Alberta’s Reduced Age to Harvest Protocol
    *Paul J. Thomassin*, McGill University

11 The Value of Social Capital in Cropland Leasing Relationships
    *Mykel R. Taylor*, Kansas State University; Allen M. Featherstone, Kansas State University

Behavioral & Institutional Economics

12 Is the Physical Activity of Immigrants Influenced by Moving to America? An Empirical Analysis of Immigrants Using Metabolic Equivalence Time Use Data
   *Chelsea E. Chambers*, University of Georgia; Joshua P. Berning, University of Georgia

13 Risk, Technology Adoption and Land Use Dynamics: Economics of Multi-Purpose Forestry and Agro-Forestry Practices in Ethiopia
   *Habtamu Y. Ayene*, Technical University of Munich; Getachew Abate Kassa, Technical University of Munich; Johannes Sauer, Technical University of Munich

14 Validating the Use of Time Preference Proxies to Explain Effects on Health Outcomes
   *Fuad Alagsam*, University of Kentucky; Jack Schieffer, University of Kentucky

15 Eliciting Trust in Information Sources for Nanotechnology
   *Seda Erdem*, University of Stirling
Posters

16 Eliciting Demand for Flood Insurance Against Climate Change: A Choice Experiment
Ching-Cheng Chang, Academia Sinica; Ya-Pin Lyu, APEC Research Center for Typhoon and Society; Shu-Ling Chen, National Taipei University

17 The Effects of Urbanization on Rural Land Rental Market Participation: Household Panel Evidence from China
Xiang Bi, University of Florida; Dengwang Li, Renmin University of China; Huanguang Qiu, Renmin University of China; Xiaohui Tian, Renmin University of China; Wendong Zhang, Iowa State University

Demand and Price Analysis

18 The CWT Program Effects: An Analysis of Retail Fluid Milk Pricing in Selected U.S. Cities
Ralph I. Mondesir; Yuliya Bolotova, Clemson University; William Bridges, Clemson University; Scott R. Templeton, Clemson University

19 Do SNAP Beneficiaries Pay Different Prices throughout the Benefit Month?
Travis A. Smith, University of Georgia; Pourya Valizadeh, University of Georgia

20 Co-Movements of Energy-Bioenergy-Agricultural Commodity Prices: New Empirical Evidence from the USA
Md Zabid Iqbal, Iowa State University

21 Consumption Patterns of Urban Punjab of Pakistan: Evidence for HIES 2013-14
Waqar Akram, Sukkur Institute of Business Administration; Shida Rastegari Henneberry, Oklahoma State University

22 Potential Consumers in Consumer Behavior Models
Yuan Jiang, University of Florida; Hyeyoung Kim, University of Florida; Lisa A. House, University of Florida; Susan S. Percival, University of Florida

23 Reduced Tariffs of Net Energy Metering: More Competitive Retail Rates of Electric Utilities Come Next?
Dyna Ty, University of Georgia; John C. Bergstrom, University of Georgia

24 Impact of Dam’s Age and Parity on Yearling’s Price and Future Performance
Xiurui Cui, University of Kentucky

25 Estimating Price Flexibility of Demand in Agricultural Commodities
Madhav Regmi, Kansas State University

27 The Interaction of Biofuel Production and Labeling of New Plant Breeding Techniques
Thomas Johann Venus, Wageningen University; Dušan Drabik, Wageningen University

28 Changing Economic Geography of U.S. Grain Transportation Markets
Heidi Schweizer, University of California, Davis

29 Intra-School District Capitalization of Property Tax Rates
Mitchell R. Livy, California State University, Fullerton

Environmental and Nonmarket Valuation

30 Gender and Preference Heterogeneity for Direct Seeded Rice: A Case Study of Men and Women Farmers in Maharashtra, India
Md Tajuddin Khan Sr., International Food Policy Research Institute; Avinash Kishore, International Food Policy Research Institute; P K Joshi, International Food Policy Research Institute

31 Pollution Comes with the Wind: The Effects of Transboundary Air Pollutants from China on Air Ambient Conditions in South Korea
Moon Joon Kim, North Carolina State University

32 Understanding the Impact of Offshore Wind Energy Development on Beach Trip Demand to the Coast of North Carolina
Amanda J. Harper, University of Georgia; Craig Landry, University of Georgia; John C. Bergstrom, University of Georgia

33 Estimation of Spillover Effects from Large Scale Adoption of Bt Corn in the Philippines
Zachary S. Brown, North Carolina State University; Roderick M. Rejesus, North Carolina State University; Jose M. Yorobe Jr., University of the Philippines - Los Banos; Lawson Connor, North Carolina State University

34 The Economic Value of Open Space in Riverside County
James Yoo, California Baptist University
Posters

35 Valuing New Invasive Species Management Programs in the Context of Pre-existing Regional Water Quality and Resource Management Programs
Kimberly S. Rollins, University of Nevada, Reno; Michael H. Taylor, University of Nevada, Reno

36 An Economic Approach to Measuring the Impacts of Higher Temperatures on Wildfire Size in the Western United States
Dallas W. Wood, RTI International

Experimental Economics

37 How Safety Recalls Affect Consumer Preferences for Eggs: An Experimental Analysis
Tongzhe Li, University of Delaware; John C. Bernard, University of Delaware; Zachary A. Johnston, University of Delaware; Kent D. Messer, University of Delaware; Harry M. Kaiser, Cornell University

38 Experimental Evidence of Nutrition Interventions in Northern Ghana
Yacob A. Zereyesus, Kansas State University; Vincent Amanor-Boadu, Kansas State University; Francis Tsiboe, University of Arkansas; Kara Ross, Kansas State University; Aleksan Shanoyan, Kansas State University

39 Linking Agricultural Subsidies and Ambient Water Quality to Reduce Nutrient Loss
Leah H. Palm-Forster, University of Delaware; Jordan F. Suter, Colorado State University; Kent D. Messer, University of Delaware

40 Loss Aversion, Temporal Framing, and Household Energy Decisions
Carrie A. Gill, University of Rhode Island; Stephen Atlas, University of Rhode Island

Food and Agricultural Marketing

41 An Evaluation of Factors Influencing Consumer Purchases of Cut Flowers
Zongyu Li, Washington State University; Vicki A. McCracken, Washington State University; Jenny R. Connolly, Washington State University

42 Consumers’ Willingness to Pay for Tennessee Wine
Connie Everett, University of Tennessee; Christopher N. Boyer, University of Tennessee; Kimberly L. Jensen, University of Tennessee; David W. Hughes, University of Tennessee

43 Is the Grass Really Greener across the State Line? A Regional Analysis of State Branding Programs
Clinton L. Neill, Oklahoma State University; Rodney B. Holcomb, Oklahoma State University

44 Effects of 2015 Avian Influenza Virus on Price of Eggs and Economic Impact to Egg Producers at the Wholesale Level in the United States: Stochastic Partial Equilibrium Hedonic Price Analysis
Senarath Dharmasena, Texas A&M University; Michelle Paukett, Texas A&M University

45 Optimal Licensing Contracts and Market Competition
Tian Xia, Oklahoma State University; Zhengfei Guan, University of Florida

46 Product Differentiation and Cost Pass-through
Jens-Peter Loy, University of Kiel; Christoph Weiss, Vienna University of Economics; Thomas Glauben, Leibniz Institute of Agricultural Development in Transition Economies (IAMO)

47 The Value of Information in a Whole-chain Traceability System for Beef Cattle – Applications to Meat Tenderness, Injection-Site Lesion Control, and Feed Efficiency
Candi Ge, Oklahoma State University; Brian D. Adam, Oklahoma State University

48 Zero Inflated Ordered Probit Approach to Modeling Mushroom Consumption in the U.S.
Yuan Jiang, University of Florida; Hyeyoung Kim, University of Florida; Lisa A. House, University of Florida; Susan S. Percival, University of Florida

49 Examining the Effect of Food Recalls on Demand: The Case of Beef in the U.S.
Samane Zarebanadkoki, University of Kentucky; Yuqing Zheng, University of Kentucky; Timothy A. Woods, University of Kentucky; Steven C. Buck, University of Kentucky

50 Willingness to Pay for the “Taste of Europe”: Country of Origin Labeling Controversy in Chinese Market
Chenguang Li, University College Dublin; Junfei Bai, China Agricultural University; Zhifeng Gao, University of Florida
Posters

51 How Much Do Japanese Really Care about Food Origin? A Case of Beef Bowl Shop
Koichi Yamaura, Tokyo University of Agriculture and Technology; Hikaru Hanawa Peterson, University of Minnesota

52 Bridging the Gap: Food Choices and the Dietary Guidelines for Americans
Jeta Rudi, University of Minnesota

Food and Agricultural Policy Analysis

53 Are Dairy Subsidies Effective to Increase Milk Productivity and Income in Kosovo? A Propensity Score Matching Approach
Egzon Bajrami, University of Arkansas; Eric J. Wailes, University of Arkansas; Bruce L. Dixon, University of Arkansas; Arben Musliu, University of Prishtina

54 Random-Parameter PSM: A Novel Method of Program Evaluation Suitable when Program Participation is affected by Unobservable Variables
Taro Takabashi, University of Bristol; Toru Nakajima, The University of Tokyo; Daiki Matsutaka, The University of Tokyo; Janet Dwyer, Countryside and Community Research Institute

55 Worldwide Market and Welfare Impacts From Introducing GM Oranges to Manage Citrus Greening
Ariel Singerman, University of Florida; Sergio H. Lence, Iowa State University

56 Crop Insurance in India: Drivers and Impact
Aditya KS, Indian Agricultural Research Institute; Avinash Kishore, International Food Policy Research Institute; P K Joshi, International Food Policy Research Institute

57 Effects of Smallholder Diversification on Rural Household Food Security in Kenya
Miltone W. Ayieko, Egerton University; Jin Songqing, Michigan State University; David L. Tschirley, Michigan State University

58 Preferential Property Tax, Second Home Buyer and Land Cover Change
Charles A. Towe, University of Connecticut; Zhenshan Chen, University of Connecticut

59 Whether Debt behaves like a Kuznets Curve with Rural Household Income? A Panel Rural Household Data Analyses in India from 2001 to 2012
Madhusudan Bhattarai, International Food Policy Research Institute; Padmaja P, Center for Experimental Social Sciences; P K Joshi, International Food Policy Research Institute

60 Assessing the Economic Impact of a NCPN-Grapes Center at Farm and Regional Level in Eastern U.S.
Leslie J. Verteramo Chiu, Cornell University; Miguel I. Gomez, Cornell University

61 Value of Parsimonious Nutritional Information in a Framed Field Experiment
Jisung Jo, Oklahoma State University; Jayson L. Lusk, Oklahoma State University; Laurent F. Muller, Institut National de la Recherche Agronomique; Bernard Ruffieux, Institut National de la Recherche Agronomique

62 Florida Citrus Growers First Impressions on Genetically Modified Trees
Ariel Singerman, University of Florida; Maria P. Useche, University of Florida

63 Relative Economic Efficiency of Ethanol and Biodiesel
Dušan Drabik, Wageningen University; Thomas Johann Venus, Wageningen University; Harry De Gorter, Cornell University

64 Changes in Southern Cotton and Peanut Producing Regions
Shelbi Knisley, USDA-Economic Research Service; Mark S. Ash, USDA-Economic Research Service

Food Safety and Nutrition

65 Can Food Safety Shortfalls Disrupt Nutritional Gains from Increased Animal-Source Food Consumption? Evidence from Meat Consumption and Illness on Eid al Adha
Benjamin Schwab, Kansas State University; Ralph Armah, Kansas State University

66 Does the Food Environment Play a Role in Prevalence of Obesity and Diabetes in the United States?
Nestor M. Rodriguez, USDA-Economic Research Service

67 Time Preference, Nutrition Education, and the Body Mass Index
Yanliang Yang, Virginia Tech; Dae Hee Han, Virginia Tech; George C. Davis, Virginia Tech
### Posters

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<td>68</td>
<td>Impacts of Food Safety Events on Consumer Awareness and U.S. Meat Demand</td>
<td><em>Aaron M. Ates</em>, Oklahoma State University; <em>Jayson L. Lusk</em>, Oklahoma State University</td>
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<td>69</td>
<td>Food Stamps, Food Insufficiency, and Health of the Elderly</td>
<td><em>Pimbucha Rusmevichientong</em>, California State University Fullerton; <em>Miguel I. Gomez</em>, Cornell University; <em>Harry M. Kaiser</em>, Cornell University</td>
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### Household and Labor Economics

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<td>The Economic Implications of Social Capital on Hispanic Entrepreneurship</td>
<td><em>Ariana Torres</em>, Purdue University; <em>Maria I. Marshall</em>, Purdue University; <em>Michael Delgado</em>, Purdue University</td>
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<td>72</td>
<td>Migration Impacts on Schooling: Case Study of Rural Nepal</td>
<td><em>Deborah A. Williams</em>, Louisiana State University; <em>Krishna P. Paudel</em>, Louisiana State University; <em>Mark J. Schafer</em>, Louisiana State University</td>
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<td>73</td>
<td>Religiosity and Female Autonomy in Indonesia</td>
<td><em>Milda Irhamni</em>, University of Minnesota</td>
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<td>74</td>
<td>Health Care Service Access and Constrained Choices of U.S. Farm Workers</td>
<td><em>Tianyuan Luo</em>, University of Georgia; <em>Cesar L. Escalante</em>, University of Georgia</td>
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### Industrial Org./Supply Chain Management

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<td>Content Analysis of Wine Tasting Notes on Wine Prices</td>
<td><em>Kuan-Ju Chen</em>, Washington State University; <em>Jill J. McCluskey</em>, Washington State University</td>
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<tr>
<td>77</td>
<td>Food Price, Firm Productivity and Market Structure in Indonesian Food and Beverages Industry</td>
<td><em>Xi He</em>, University of Connecticut; <em>Nathan Fiala</em>, University of Connecticut</td>
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<td>79</td>
<td>‘Land Grab’ or Development Opportunity? - The Effect of Transnational Farmland Investments on the Ghanaiian Economy</td>
<td><em>Donggul Choi</em>, University of Minnesota, Twin Cities</td>
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<td>80</td>
<td>Determinants of Microfinance Borrowers’ Financial and Temporal Endurance through Economic Adversities: A Split- Population Duration Analysis</td>
<td><em>Hofner D. Rusiana</em>, University of Georgia; <em>Cesar L. Escalante</em>, University of Georgia</td>
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<td>81</td>
<td>Revisiting on Tractorization of Smallholding Agriculture?: Diffusion of Tractor across 16 States of India from 1960 to 2012</td>
<td><em>Madhusudan Bhattarai</em>, International Food Policy Research Institute; <em>Ravindra Singh Shekhawat</em>, ICAR-IASRI; <em>P K Joshi</em>, International Food Policy Research Institute</td>
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<td>84</td>
<td>Constructing a Nutritionally Balanced Food Basket for Tanzania</td>
<td><em>Nancy J. Cochrane</em>, USDA-Economic Research Service</td>
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<td>85</td>
<td>Do Farmers’ Storage Practices and Food Safety Knowledge Explain their Market Participation? Evidence from Maize Markets in Benin</td>
<td><em>Didier K. Kadjo</em>, Purdue University; <em>Jacob Ricker-Gilbert</em>, Purdue University; <em>Abdoulaye Tahirou</em>, International Institute of Tropical Agriculture; <em>Nasser Baco</em>, Universite de Parakou; <em>Corinne E. Alexander</em>, Purdue University</td>
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Posters

86 Spillover Effects of Fertilizer Subsidies on the Adoption of Modern Inputs in Burkina Faso
Didier Y. Alia, University of Kentucky; Yoko Kusunose, University of Kentucky; Veronique Theriault, Michigan State University

87 The Farm Size-Productivity Relationship: A Conceptual Review with Empirical Evidence from three African Countries
Jacques C. Julien, University of Connecticut; Boris E. Bravo-Ureta, University of Connecticut

88 Adaptive Capacity to Climate Change: Insights from Coffee Farmers in Nicaragua
Aniseh S. Bro, Michigan State University; David L. Ortega, Michigan State University; Daniel Clay, Michigan State University

89 Livelihood Diversification and Well-Being - A Resilience Approach
Jennifer D. Cisse, Cornell University

90 Examining Children's Vulnerability to Poverty: A Cross Country Analysis
Yacob A. Zereyesus, Kansas State University

91 Does Price Volatility Affect Food Insecurity in Small Island States?
Ping Wang, Auburn University; Roshini Brizmohun, Auburn University; Norbert L.W. Wilson, Auburn University

Klaus W. Deininger, World Bank; Tram Hoang, Michigan State University; Songqing Jin, Michigan State University

International Trade

93 The Power Law of Agricultural Trade
Sixia Chen, University of Oklahoma; Bo Xiong, California Department of Social Services

94 Relativity Meets Gravity: A Better Measurement of Market Size to Explain Agricultural Trade
Bo Xiong, California Department of Social Services

95 The Hitchhiker's Guide to the Greenery: Estimating Dynamics of 150 years of Trade-Driven Non-Native Species Introductions via Plant Material
Matthew J. MacLachlan, University of California, Davis; Michael R. Springborn, University of California, Davis; Andrew Liebhold, United States Department of Agriculture Forest Service

96 Analyzing Collective Trade Policy Actions in Response to Cyclical Risk in Agricultural Production
Youngjae Lee, Louisiana State University; P. Lynn Kennedy, Louisiana State University

97 Exchange Rate Volatility and Agricultural Commodity Trade
Sandro Steinbach, Eidgenössische Technische Hochschule, Zurich

98 Climate Change Impacts on Labor Productivity: The Effect of Increasing Heat Exposure
Luis M. Pena-Levano, Purdue University; Roberto Roson, Ca'Foscari University

Production Economics

101 Dynamic Supply Response of Pulses in India

102 Are Futures Prices Endogenous to Global Supply Analysis of Agricultural Commodities? New Empirical Evidence
Md Zabid Iqbal, Iowa State University

103 Hoes to Herbicides: Economics of Evolving Weed Management in the United States
Scott M. Swinton, Michigan State University; Braedon Van Deynze, Michigan State University

104 Impact of Farm Training on Efficiency of Small Scale Farms in Armenia
Weldensie T. Embaye, Kansas State University; Jason S. Bergtold, Kansas State University; Benjamin Schwab, Kansas State University

105 Analyzing the Impact of Huanglongbing on Citrus Tree Plantings
Fengxia Dong, University of Wisconsin; Paul D. Mitchell, University of Wisconsin
Posters

137 Estimating Short- and Long-run Supply Elasticities of Global Agricultural Commodities from Dynamic Heterogeneous Panels
*Md Zabid Iqbal,* Iowa State University; *Bruce A. Babcock,* Iowa State University

Productivity Analysis and Emerging Technologies

106 The Potential for Improvement in On-road Truck Fuel Economy
*Jen He,* University of Maryland; *Benjamin Leard,* Resources for the Future; *Joshua Linn,* Resources for the Future; *Virginia McConnell,* University of Maryland, Baltimore County and Resources for the Future

107 Productivity Dynamics in Indonesian Manufacturing Industries - Evidence from Firm Level Panel Data
*X. He,* University of Connecticut; *Nathan Fiala,* University of Connecticut

108 Estimating Elasticities of Substitution Using Data Envelopment Analysis
*Noah J. Miller,* Kansas State University; *Jason S. Bergtold,* Kansas State University; *Allen M. Featherstone,* Kansas State University

109 Effect of Loss Aversion on Farm Investment
*Lawson Connor,* North Carolina State University; *Roderick M. Rejesus,* North Carolina State University; *Jose M. Yorobe Jr.,* University of the Philippines Los Banos

110 Quantile DEA: A Direct Linear Programming Based Approach to Obtaining Quantile Efficiency or Quantile Group Benchmarking Performance Estimates
*Joseph A. Atwood,* Montana State University; *Saleem Shaik,* North Dakota State University

Research Methods/Econometrics/Stats

111 A Decomposition Model of Vertical Price Transmission with Scanner Data
*Christin Schulze Bisping,* University of Göttingen; *Stephan Von Cramon,* University of Göttingen

112 Using Eye Tracking Measures to Improve Modeling
*Daniel E. Chavez,* Texas A&M University; *Marco A. Palma,* Texas A&M University; *Alba J. Collart,* Mississippi State University

113 Using the Chow Test with Time Series-Cross Section Data
*James K. Binkley,* Purdue University; *Jeffrey S. Young,* Purdue University

114 An Examination of the Relationship Between Biodiesel and Soybean Oil Prices Using an Asset Pricing Model
*Miguel A. Carriquiry,* Universidad de la Republica

115 Measuring Poverty Over Time - Accounting for the Intertemporal Distribution of Poverty
*Felix Naschold,* University of Wyoming

Resource and Environmental Policy Analysis

116 Targeting Wetland Restoration to Cost-effectively Reduce Nitrogen Loadings in the Gulf of Mexico

117 Using Multiple Imputation for a Zero-in ATED Contingent Valuation with Potentially Biased Sampling
*Marouene Mbarek,* Agrocampus Ouest; *Damien Rousseliere,* Agrocampus Ouest; *Julien Salanié,* Université Jean Monnet

118 Costs of Meeting Water Quality Goals under Climate Change in Urbanizing Watersheds: Difficult Run, Virginia
*Jonathon M. Giuffria,* Virginia Tech; *Darrell J. Bosch,* Virginia Tech; *Daniel B. Taylor,* Virginia Tech; *Nasrin Alamdari,* Virginia Tech

119 Equitably Slicing the Pie: Allocation of Non-Point Source Pollution for Water Quality Improvement
*Adam J. Daigneault,* Landcare Research; *Suzie Greenhalgh,* Landcare Research NZ; *Oshadhi Samarasinghe,* Landcare Research NZ

120 A State-Specific Analysis of Environmental Kuznets Curve for the United States
*Meng Yang,* University of Alberta; *Feng Qiu,* University of Alberta

121 India’s Climate Change Mitigation Policies – A Case for Market Based Instruments
*Ashish Tyagi,* The Pennsylvania State University
Posters

122 Siting Aquaculture in Maine: Exploring Conflicts at Public Lease Hearings
Keith S. Evans, University of Maine; Samuel Hanes, University of Maine; Christina A. Robichaud, University of Maine

Risk and Uncertainty

123 Attitudes toward Uncertainty by Different Groups of Subjects: Experimental Evidence from Bangladesh
George W. Norton, Virginia Tech; Alsanuzzaman Alsanuzzaman, North South University

124 Risk Preferences and Adoption of Climate Smart Agricultural Technologies: Evidence from India
Mukesh K. Ray, Michigan State University; Mywish K. Maredia, Michigan State University; Robert S. Shupp, Michigan State University

125 Stochastic Techno-Economic Analysis of Alcohol-to-Jet Fuel Production
Guolin Yao, Purdue University; Mark D. Staples, Massachusetts Institute of Technology; Robert Malina, Massachusetts Institute of Technology; Wallace E. Tyner, Purdue University

126 Volatility Spillover Effects and Cross Hedging in the U.S. Oil Market and the Energy Pipeline Sector Index
Jingze Jiang, Edinboro University of Pennsylvania; Thomas L. Marsh, Washington State University

127 Group Loan or Individual Loan? A Dynamic Framework with Systemic Risk
Mario J. Miranda, The Ohio State University; Jian Chen, The Ohio State University

128 Natural Hedge Effects on Revenue Stability and Crop Insurance Decisions: Evidence from County and Producer-Level Data
Mesbah J. Motamed, USDA-Economic Research Service; Erik J. O’Donoghue, USDA-Economic Research Service

129 Corporate Hedging in Incomplete Markets: A Solution under Price Transmission
Rui Luo, Washington State University; T. Randall Fortenbery, Washington State University

Rural/Community Development

130 Too Small to Farm, too Big to Mow: The Impact of Large-Lot Zoning on the Exurban Landscape
Paul D. Gottlieb, Rutgers University; Meggan Lubeck, Rutgers University; Lucas Marxen, New Jersey Agricultural Experiment Station, Rutgers University

131 Impact of Fiscal Subsidy on China’s New Rural Pension System
Benxi Lin, Fujian Agriculture and Forestry University; Yu Yvette Zhang, Texas A&M University; Zongjian Lin, Fujian Agriculture and Forestry University; Yongli Wang, The People’s Government of Fujian Province, P.R. China; Weiping Liu, Fujian Agriculture and Forestry University

132 Industry Clusters and Regional Economic Development in the Midwest
Naomi Amugeh, South Dakota State University; Evert Van Der Sluis, South Dakota State University

133 An Economy-wide Analysis of Trade Liberalization Impacts on Rural Household Income in Taiwan
Shih-Hsun Hsu, National Taiwan University; Ching-Cheng Chang, Academia Sinica; Hsing-Chun Lin, National Chiayi University; Ruey-Wan Liou, Chihlee University of Technology; Sheng-Ming Hsu, National Taiwan University; Te-Yen Hsieh, National Taiwan University; Kuo-Jung Lin, Chihlee University of Technology

134 Ex-ante Estimation of Adoption Determinants for a Sustainable Land Management Practice: The Case of Non-operator Landowners
Bradford L. Barham, University of Wisconsin; Daniel F. Mooney, University of Wisconsin

Teaching, Communication, and Extension

135 Toxicity and Price-Quality Information and Pesticide Demand: RCT Evidence from Smallholder Tomato Farmers in Zambia
Joseph C. Goeb, Michigan State University

136 How far are Chinese Farmers from “Internet Plus”? Empirical Study of Factors Influencing Farmer’s Adoption of Internet Application
Jianxin Guo, Beijing Academy of Agricultural and Forestry Sciences; Songqing Jin, Michigan State University; Junfeng Zhang, Beijing Academy of Agriculture and Forestry Sciences
Posters

Natural Resource Economics

138 Status-Dependent Impacts of Multiple Drivers on Agricultural Land Conversion
Haoluan Wang

139 Can Wood Pellets Save Coal?
Michael Wetzstein

140 The Impact of Glyphosate-Tolerant Seeds on Herbicide Use: An International Comparison
Richard F Nehring

141 Adaptive Resistance Management of Bt Refuge Policy with Uncertain Fitness Costs
Zachary S Brown

142 Do Governmental and Private Conservation Funds “Crowd Out” Municipal Open Space Spending?
Patrick Prendergast

143 Profitable Land Supply in Africa
Jing Liu
Determinants of Irrigation Technology Choice in Soybean Production
Tej K Gautam

145 Willingness to Pay and Willingness to Accept Values for Irrigation Water
Tej K Gautam

146 Agricultural Land as a Multipurpose Capital Asset
Daniel P Bigelow

147 Citrus Health Management Areas: An Empirical Analysis of the Effect of Coordinated Control on Asian Citrus Psyllid Populations
Kelly Grogan, University of Florida
Types of Concurrent Sessions

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

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

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

SELECTED PRESENTATION LIGHTNING SESSION
Lightning sessions include eight Selected Paper Presentations. Each presenter will have 9-10 minutes to present and discuss their paper.

SELECTED PRESENTATIONS
The term “Selected Presentations” refers collectively to Selected Papers and Selected Posters. Selected Paper Sessions include up to four paper presentations. Each paper presentation is given 20 minutes; 15 minutes to present and five minutes for discussion.

TRACK SESSIONS
Tracks are a set of multiple sessions submitted by AAEA Sections, scheduled throughout the meeting and devoted to a common interest area or topic. Sessions can be organized by a single Section or by multiple Sections to cover a wider range of topics.
Concurrent Sessions — Monday, 9:45 - 11:15 AM

1001 The Economics of Taxes and Marketing Restrictions to Reduce Consumption of Specific Foods and Ingredients

Provincetown, 4th Floor

Invited Paper

This session features current economic research on government interventions designed to improve health and nutrition outcomes by reducing consumption of particular foods or ingredients. The session consists of three papers and one discussant. Each of the papers contributes to the policy debate by presenting theoretical and empirical evidence on the efficacy of such policies. The paper by Grogger presents econometric evidence of the effect soda tax on prices of soda and related goods in Mexico. The paper by Wu, Balagtas, and Ledesma uses nonlinear pricing theory and experimental economics to model and measure market-equilibrium response to a restriction on soda cup size. And the paper by Requillart and Soler considers the economic effects of minimum quality standards versus taxes in oligopolistic markets. The discussant, Stephen Hamilton, is a leading expert in the industrial organization of food markets.

Organizer: Joseph V. Balagtas, Purdue University

Discussant: Stephen F. Hamilton, California Polytechnic State University

The Economics of Policies for Reducing Soda Consumption: Soda Taxes vs Restrictions on Cup Size

Jose Nuno-Ledesma, Purdue University; Steven Y. Wu, Purdue University; Joseph V. Balagtas, Purdue University

Soda Taxes and the Prices of Sodas and Other Drinks: Evidence from Mexico

Jeffrey Grogger, University of Chicago

Quality Standards versus Nutritional Taxes: Health and Welfare Impacts with Strategic Firms

Vincent Requillart, Toulouse School of Economics, Institut National de la Recherche Agronomique; Louis Georges Soler, Institut National de la Recherche Agronomique

1002 Public Economists: What You May Encounter When You Leave the Ivory Tower

Arlington, 3rd Floor

Organized Symposium

Each of the participants in this symposium is involved as an economist in the public sphere. We will begin by explaining what we each do beyond pure academics with short opening talks about the role we play, b) the important lessons about those roles, and c) how to be effective in these situations. Roughly, we will represent economists in the roles of think tank policy analyst, social media/blogging economist on policy issues, advisor to legislators, and opinion writer. The remainder of the time will consist of questions and answers with the audience.

Organizers: Jeffrey H. Dorfman, University of Georgia; Vincent H. Smith, Montana State University

Panelists: Marc F. Bellemare, University of Minnesota; Keith H. Coble, Mississippi State University; Jeffrey H. Dorfman, University of Georgia; Vincent H. Smith, Montana State University

1003 The Food Safety Modernization Act and the Produce Industry

Boylston, 1st Floor

Organized Symposium

We look at the impact of FSMA using Census micro data which provide information on firm characteristics including some risk factors such as livestock and manure use. Then we look at preliminary data from the new Economic Research Service surveys which ask about food safety practices for growers and packers. This survey looks at what firms do with respect to risk factors: construct buffers between livestock and produce, compost raw manure, etc.

Organizers: Linda S. Calvin, USDA-Economic Research Service; Suzanne Thornsbury, USDA-Economic Research Service

Moderator: Julie A. Caswell, University of Massachusetts Amherst

The FSMA Biological Soil Amendment Rules: Do They Lower Risks?

Stacy E. Sneeringer, USDA-Economic Research Service

Variation in Farm Characteristics and Implications for Food Safety

Kathryn E. Lynch, University of Massachusetts Amherst

Preliminary Results from ERS Food Safety Produce Surveys

Linda S. Calvin, USDA-Economic Research Service; Gregory Astill, USDA-ERS
Concurrent Sessions — Monday, 9:45 - 11:15 AM

1004 Food Consumption, Preferences, and Willingness to Pay
Salon B, 4th Floor

Selected Presentation – Lightning Session
The papers in this lightning session present a diverse set of studies focused on consumption, preferences, and willingness to pay for food. Papers will discuss food waste, innovative technologies, and packaging.

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

Examinaing Food Waste in the Household: A Vignette Approach
Brenna Ellison, University of Illinois at Urbana-Champaign; Jayson L. Lusk, Oklahoma State University

What Makes People Leave Their Food? The Interaction of Personal and Situational Factors Leading to Plate Leftovers in Canteens
Monika Hartmann, University of Bonn; Bettina A. Lorenz, University of Bonn; Nina Langen, University of Bonn

When Bigger Isn’t Better: Steak Size and Consumer Preferences
Joshua G. Maples, Oklahoma State University; Jayson L. Lusk, Oklahoma State University; Derrell Peel, Oklahoma State University

The Effect of Front-of-Pack Nutrition Labelling on Consumers’ Food Choices and Decision-Making: Merging Discrete Choice Experiments with Eye-Tracking
Seda Erdem, University of Stirling

Consumer Perceptions and Willingness-to-Pay for Nanotechnology Applications that Enhance Food Safety
Miah Van Tran, University of Nebraska-Lincoln; Amalia Yiannaka, University of Nebraska-Lincoln; Konstantinos Giannakas, University of Nebraska-Lincoln

What Determines Fruit and Vegetables Intake of Primary School Children? An Analysis of Personal and Social Determinants
Julia Haß, University of Bonn; Monika Hartmann, University of Bonn

Georgia Elementary School Lunchroom Participation: Impact from the Statewide Implementation of the Smarter Lunchroom Movement
Janani Rajbhandari Thapa, University of Georgia

1006 Implications of Biofuel Production
Columbus 1, 1st Floor

Selected Presentation
The four papers in this session investigate the production and welfare impacts of alternative biofuel policies, the impact of biofuel production on land use change and the environment as well as assessing the risks and costs associated with producing biofuels from non-traditional feedstock.

Moderator: David J. Smith, University of Minnesota

GianCarlo Moschini, Iowa State University; Harvey E. Lapan, Iowa State University; Hyunseok Kim, Iowa State University

Biofuel Potential in Mexico: Land Use, Economic and Environmental Effects
Hector M. Nuñez, Centro de Investigación y Docencia Económicas; Anna D. Mata, Centro de Investigacion y Docencia Economicas

Trends and Strength of Determinants to Deforestation in the Brazilian Amazon; Implications for Biofuel Policies in the United States and Land Use in Brazil
Miguel A. Carrquiry, Universidad de la Republica; Amani E. Elobeid, Iowa State University

Subjective Risks and Barriers to Perennial Bioenergy Production: Estimating a Structural Model with Data from a Hypothetical Market Experiment
David J. Smith, University of Minnesota
Concurrent Sessions — Monday, 9:45 - 11:15 AM

1007  Wildlife Management  
Harvard, 3rd Floor

Selected Presentation
This session focuses on the management of various types of wildlife, including commercial and invasive wildlife. Several presentations address the issue of spatial dynamics.

Moderator: Xiaoli Fan, Cornell University

Optimal Monitoring and Control of Invasive Species: The Case of Spotted Wind Drosophila in the United States  
Xiaoli Fan, Cornell University; Miguel I. Gomez, Cornell University; Jon M. Conrad, Cornell University; Shadi S. Atallah, University of New Hampshire

Optimal Control of Wild Horse Populations with Nonlethal Methods  
Robert C. Fonner, National Oceanic and Atmospheric Administration Fisheries

Valuing the Absence of Feral Swine for U.S. Corn, Soybean, Wheat, Rice, and Peanut Producers and Consumers: A Partial Equilibrium Approach  
Jason J. Holderieath, Colorado State University; Dustin L. Pendell, Kansas State University; Joleen C. Hadrich, Colorado State University

1008  New Developments in Risk Modeling  
Hyannis, 4th Floor

Selected Presentation
Theme underlying the papers in this session is the use of different tools and approaches to model risk and uncertainty.

Moderator: Xiaoguang Feng, Iowa State University

Vine-Copula Based Models for Farmland Portfolio Management  
Xiaoguang Feng, Iowa State University; Dermot J. Hayes, Iowa State University

A Relational Model for Predicting Farm-Level Crop Yield Distributions in the Absence of Farm-Level Data  
Lysa Porth, University of Manitoba; Ken Seng Tan, University of Waterloo; Wenjun Zhu, Nankai University

Economic Design for the Supply Side of Agricultural Insurance Markets  
Harun Bulut, National Crop Insurance Services

1009  Agricultural Cooperatives  
Maine, 5th Floor

Selected Presentation
This session addresses managerial issues facing agricultural cooperatives. Governance, capital structure, economies of scale, and the broader competitive environment are discussed.

Moderator: Jasper Grashuis, University of Missouri

Governance and Performance in the Agri-Food Industry: A Three-Stage Least Squares Investigation of Firms and Cooperatives  
Jasper Grashuis, University of Missouri; Michael L. Cook, University of Missouri

A Nonparametric Approach to Estimate Multiproduct and Product-specific Scale and Scope Economies for Agricultural Cooperatives  
Krishna P. Pokharel, Kansas State University; Allen M. Featherstone, Kansas State University

Capital, Ownership, and Governance: Analyzing the Structure of U.S. Farmer Cooperatives  
Jasper Grashuis, University of Missouri; Michael L. Cook, University of Missouri

The Changing Competitive Structure of the Kansas Grain Handling and Transportation Industry  
Daniel M. O’Brien, Kansas State University; Brian C. Briggeman, Kansas State University
Concurrent Sessions — Monday, 9:45 - 11:15 AM

1010  The Role of Experiments in Explaining Innovation and the Demand for and Use of New Technologies
       *Massachusetts, 5th Floor*

**Selected Presentation**
This session presents research on both fresh produce supply chains as well as impact factors of innovations and use of new technology.

**Moderator:** Houtian Ge, The Pennsylvania State University

**Hub Location in Fresh Produce Supply Chains**
*Houtian Ge,* The Pennsylvania State University; Patrick N. Canning, USDA-Economic Research Service; Stephan J. Goetz, The Pennsylvania State University; Agnes Perez, USDA-Economic Research Service

**Assessing Innovator and Adopter Profit Potential under Different New Plant Variety Commercialization Strategies**
*R. Karina Gallardo,* Washington State University; Bradley J. Rickard, Cornell University; Jill J. McCluskey, Washington State University; Sherzod B. Akhundjanov, Washington State University

**How Millennial Food Purchase Decisions Compare to Previous Generations**
*Annemarie Kuhns,* USDA-Economic Research Service; Michelle Saksena, USDA-Economic Research Service

**A Supply and Demand Estimation of the U.S. High Fructose Corn Syrup Market**
Pablo A. Garcia-Fuentes, Louisiana State University; *P. Lynn Kennedy,* Louisiana State University

1011  Market Reactions to USDA Reports: Issues and Potential Solutions
       *Nantucket, 4th Floor*

**Selected Presentation**
This session discusses the effect of USDA reports on agricultural commodity markets and decision making.

**Moderator:** Olga Isengildina Massa, Virginia Tech University

**Market Reaction to Inefficiencies in USDA Crop Production Forecasts**
*Olga Isengildina Massa,* Virginia Tech University; Berna Karali, University of Georgia; Scott H. Irwin, University of Illinois at Urbana-Champaign

**Changes in Informational Value and the Market Reaction to USDA Reports in the Big Data Era**
*Berna Karali,* University of Georgia; Olga Isengildina Massa, Virginia Tech University; Scott H. Irwin, University of Illinois at Urbana-Champaign; Michael K. Adjemian, USDA-Economic Research Service

**The Components of the Bid-Ask-Spread: Evidence from the Live Cattle Futures Market**
*Quanbiao Shang,* University of Illinois at Urbana-Champaign; Mindy L. Mallory, University of Illinois at Urbana-Champaign; Philip Garcia, University of Illinois at Urbana-Champaign

**Forward-Looking USDA Interval Forecasts**
*Michael K. Adjemian,* USDA-Economic Research Service; Valentina Bruno, American University; Michel A. Robe, American University

1012  Health Outcomes
       *New Hampshire, 5th Floor*

**Selected Presentation**
Papers in this session evaluate the relationship between the environmental impacts of human behavior and resulting human health outcomes.

**Moderator:** Sofia K. Vielma Delano, Purdue University

**Willingness to Pay for a Medicine Disposal Program in the Midwest: A Double Hurdle Approach**
*Sofia K. Vielma Delano,* Purdue University; Kwamena K. Quagrainie, Purdue University

**Estimating the Effect of Pesticide Use on Health Outcomes in China**
*Wangyang Lai,* The Ohio State University; Brian E. Roe, The Ohio State University

**Scope Insensitivity in Child’s Health Risk Reduction: A Comparison of Damage Schedule and Choice Experiment Methods**
*Phumsith Mahasuweerachai,* Khon Kaen University; Siwarut Pangjai, Khon Kaen University

**Willingness to Pay to Reduce Health Costs Associated with Bushfire Smoke**
*Morteza Chalak,* University of Western Australia; Michael Burton, University of Western Australia; David J. Pannell, University of Western Australia
**Concurrent Sessions — Monday, 9:45 - 11:15 AM**

**1013** Hedging, Futures and Agricultural Product Reports  
*Salon A, 4th Floor*

**Selected Presentation**  
These presentations discuss the use of financial risk management tools by different agricultural producers. They investigate pre-harvest hedging, prices for thinly traded products and the impacts of official product reports.

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

Price Responses in Forward Contracting: Do We Limit The Upside And Expose The Downside?  
Dermot J. Hayes, Iowa State University; Keri L. Jacobs, Iowa State University; Ziran Li, Iowa State University

Does the Boxed Beef Price Ever Lead the Live Cattle Futures Price?  
**Kishore Joseph,** California State University, Chico; Philip Garcia, University of Illinois at Urbana-Champaign; Paul E. Peterson, Chicago Mercantile Exchange

The Value of WASDE Reports to the U.S. Corn Market  
**Philip C. Abbott,** Purdue University; David Boussios, Purdue University; James M. Lowenberg-DeBoer, Purdue University

Intraday Market Effects in Electronic Soybean Futures Market during Non-Trading and Trading Hour Announcements  
**Kishore Joseph,** California State University, Chico; Philip Garcia, University of Illinois at Urbana-Champaign

**1014** The Role of Transfer Programs on Household Well-Being  
*Salon D, 4th Floor*

**Selected Presentation**  
These papers examine the role of various government transfer programs on household choices and well-being in a variety of settings.

**Moderator:** Gayaneh S. Kyureghian, Korea University

Large-Scale Social Transfer and Labor Market Outcomes: The Case of the South African Pension Program  
**Norihiko Matsuda,** University of Wisconsin

No Country for Old Men: An Investment Motive for Downward Inter-Generational Transfers in Rural China  
**Chiyu Niu,** University of Illinois at Urbana-Champaign

The Demand for Food in France: The Case of Consumption at Retirement  
**Gayaneh S. Kyureghian,** Korea University; Louis Georges Soler, Institut National de la Recherche Agronomique

**1015** The Economics of Soil Conservation  
*Salon H, 4th Floor*

**Selected Presentation**  
These studies examine different economic aspects aspects of soil conservation in agriculture

**Moderator:** Gaurav Arora, Iowa State University

Strategic Grassland Conversions and Conservation Easement Allocations in the Dakotas: Analysis using Remotely-Sensed Data  
**Gaurav Arora,** Iowa State University; David A. Hennessy, Michigan State University; Hongli Feng, Michigan State University; Peter T. Wolter, Iowa State University

Grassland Easement Evaluation and Acquisition: A Stochastic Dynamic Perspective  
**Ruiqing Miao,** Auburn University; David A. Hennessy, Michigan State University; Hongli Feng, Michigan State University

Optimal Distribution of Conservation Practices in the Upper Washita River Basin, Oklahoma  
**Edward Osei,** Tarleton State University

Climate Change and the Economics of Conservation Tillage  
Juan Pablo Sesmero, Purdue University; Ben Gramig, Purdue University; Otto C. Doering III, Purdue University; Tony Vyn, Purdue University; **Whitney Hodde,** Purdue University
Concurrent Sessions — Monday, 9:45 - 11:15 AM

1016  Issues in African Food Production and Consumption
Salon I, 4th Floor

Selected Presentation
The papers in this session consider various production issues in Senegal, Ghana, and West Africa and household food consumption in West Africa.

Moderator: Stacy McCoy, Purdue University

How do Traders and Consumers in Tropical Savannah Climates Value Maize Moisture Montent? Evidence from an Experimental Auction in Senegal
Stacy McCoy, Purdue University; Jacob Ricker-Gilbert, Purdue University; Corinne E. Alexander, Purdue University; Moussa Sall, Institut Sénégalais de Recherches Agricoles

Long term Outlook for Rice Production and Trade in West Africa: A Set of Productivity Growth Scenarios
Nancy J. Cochrane, USDA-Economic Research Service; Getachew S. Nigatu, USDA-Economic Research Service; Anh Nam Tran, University of Missouri; James M. Hansen, USDA-Economic Research Service; Ralph M. Seeley, USDA-Economic Research Service

The Economics of the Transformation of Household Food Consumption in West Africa
Saweda Liverpool-Tasie, Michigan State University; Thomas A. Reardon, Michigan State University; Serge G. Adjognon, Michigan State University; Awa Sanou, Michigan State University

Technological and Market Interventions to Reduce Aflatoxin Groundnut Contamination in Ghana
Nicholas P. Magnan, University of Georgia; Vivian E. Hoffmann, University of Maryland; Giselle Gajate Garrido, IMPAQ International; Nelson Opoku, University for Development Studies

1017  Impacts of Trade Agreements on International Agricultural Markets
Salon J, 4th Floor

Selected Presentation
Regional trade negotiations and agreements are on the rise. The selected papers in this session shed light on the implications for agricultural trade, with emphasis on specific trade barriers and commodity groups.

Moderator: Jason Grant, Virginia Tech

Regionalism without Regions: Evaluating the Economic Impacts of Cross-Regional Trade Agreements
Jason Grant, Virginia Tech; Mary Marchant, Virginia Tech

Are Free Trade Agreements Good for the Environment? A Panel Data Analysis
Mehdi Nemati, University of Kentucky; Wuyang Hu, University of Kentucky; Michael R. Reed, University of Kentucky

Trans-Atlantic Trade and Investment Partnership: Potential Harmonization or Mutual Recognition of Pesticide Residue Regulations and its Impact on Agricultural Trade
Bo Xiong, California Department of Social Services; John C. Beghin, Iowa State University

Impacts of the Trans-Pacific Partnership for U.S. and International Dairy Trade
Everett B. Peterson, Virginia Tech; Jason Grant, Virginia Tech; Sharon Sydow, USDA-Office of the Chief Economist
Concurrent Sessions — Monday, 9:45 - 11:15 AM

1018  Health and Nutrition Around the World
Salon K, 4th Floor

Selected Presentation
Food insecurity is a present concern. This session includes four papers that explore health and nutrition globally. Countries analyzed include Vietnam, Tanzania, Uganda, and China.

Moderator: Ram N. Acharya, New Mexico State University

Effects of Market Work and Own Household Work on Nutrition Intake of Rural Adults: The Case of Vietnam
Tadashi Sonoda, Nagoya University; Ashok K. Mishra, Arizona State University; Lien T. B. Vu, Matsuyama University

Hunger and the Incidence of Child Stunting in Tanzania
Ram N. Acharya, New Mexico State University

Business is Tough, but Family is Worse: The Role of Family Constraints on Microenterprise Development in Uganda
Nathan Fiala, University of Connecticut

Relative-Deprivation Effects on Child Health in China
Yu Sun, Virginia Tech; Wen You, Virginia Tech

1019  Factors Affecting Food Consumption in the United States
Tremont, 1st Floor

Selected Presentation
Papers in this session examine factors influencing food consumption in the United States, including socioeconomic, demographic, and geographic factors as well as legislation and policy.

Moderator: Senarath Dharmasena, Texas A&M University

Socioeconomic, Demographic and Geographic Factors Affecting Household Food Purchase and Acquisition Decisions in the United States as a Complex Economic System
Senarath Dharmasena, Texas A&M University; David A. Bessler, Texas A&M University; Jessica E. Todd, USDA-Economic Research Service

Retail Alcohol Availability and Product Diversity
Mingyang Qu, Cornell University; Bradley J. Rickard, Cornell University; Marco Costanigro, Colorado State University; Edward McLaughlin, Cornell University

Soda Wars
Rebecca Taylor, University of California, Berkeley; Scott Kaplan, University of California, Berkeley; Sofia Berto Villas-Boas, University of California, Berkeley

You Can Lead a Household to Healthful Food, but you Can’t Make Them Eat: Shopping Frequency, Produce Consumption, Household Characteristics, Retail Densities, and Health Gradients
Scott Colby, The Pennsylvania State University

1020  Theoretical and Empirical Aspects in Production Economics
Vermont, 5th Floor

Selected Presentation
Papers in this session cover theoretical and empirical issues of production economics analyses including aspects related to duality theory, estimation of supply elasticities, and the impact of producers’ health risk preferences and corporate social responsibility on production decisions.

Moderator: Juan F. Rosas, Universidad ORT Uruguay

How Reliable is Duality Theory in Empirical Work?
Juan F. Rosas, Universidad ORT Uruguay; Sergio H. Lence, Iowa State University

The Value of Being Socially Responsible: A DEA Approach for Recovering Shadow Values of CSR Activities
Daniela Puggioni, The Pennsylvania State University; Spiro E. Stefanou, University of Florida

Farmers’ Pesticide Use Behavior Toward Own Consumption Versus Sale-Oriented Production: Joint Effects of Risk Preferences and Perceptions of Health Risks
Wei Zhang, International Food Policy Research Institute; Yanyan Liu, International Food Policy Research Institute; Andrew R. Bell, New York University
Concurrent Sessions — Monday, 9:45 - 11:15 AM

1021 Agricultural Production and Environmental Policy
Yarmouth, 4th Floor

Selected Presentation
Papers in this session evaluate the impact of multiple forces on agricultural and forest land use changes and technology adoption, with special emphasis on the role of land use, environmental and property rights policies.

Moderator: Haoluan Wang, University of Alberta

Investigating the Spatial Effects of Agricultural Land Abandonment and Expansion
Haoluan Wang, University of Alberta; Feng Qiu, University of Alberta; Xiaofeng Ruan, University of Alberta

Brazil’s Agricultural Land Conversion, Expansion, and Policies
Constanza Valdes, USDA-Economic Research Service; Hjort Kim, USDA-Economic Research Service; Jose Gasques, Brazil Ministry of Agriculture

Uncertainty and Technology Adoption with Imperfect Property Rights: Lessons from the Arkansas River Valley
Misti D. Sharp, Colorado State University; Dale Manning, Colorado State University; Dana L. Hoag, Colorado State University

Climate Change Interactions with Agriculture, Forestry Sequestration and Food Security
Luis M. Pena-Levano, Purdue University; Farzad Taheripour, Purdue University; Wallace E. Tyner, Purdue University

1022 The Use of Real World Business Cases as Teaching Tools
Berkeley, 3rd Floor

Track Session – SS-AAEA and TLC Sections
The use of real world application of business topics in undergraduate classrooms through simulations, consulting activities, role plays, and competitions are growing in popularity. These activities create specific challenges in assessing performance of students and allocating faculty resources. This panel discussion will create a dialogue around these topics and share research and experiences of panelists.

Organizer: W. Scott Downey, Purdue University

Discussants: W. Scott Downey, Purdue University; Michael A. Gunderson, Purdue University; Lindsey M. Higgins, California Polytechnic State University; Aaron J. Johnson, University of Idaho; Kerry K. Litzenberg, Texas A&M University; Elizabeth A. Yeager, Kansas State University
Concurrent Sessions — Monday, 9:45 - 11:15 AM

1023 Monetary Policy and Implications for Agriculture  
Clarendon, 3rd Floor

Track Session – AFM Section
Monetary policy involves the process of setting the amount of money and credit within an economy in response to current economic conditions. By establishing benchmark interest rates, monetary policy directly affects agriculture, especially when agricultural land values and commodity prices are volatile. This track session evaluates the macro-level effects of tightening monetary policy on three important actors in the agricultural economy: farms and agribusiness, agricultural lenders, and agricultural investors. Participants will evaluate the financial exposure of each of these groups to changes in benchmark interest rates and consider both potential positive and negative effects of monetary policy changes to the agricultural sector. Discussion will be led by an economist from the Federal Reserve Bank to provide additional perspective on agriculture's link to monetary policy.

Organizer: Joleen C. Hadrich, Colorado State University
Discussant: Nathan S. Kauffman, Federal Reserve Bank - Omaha Branch
At-Risk Farms and Agribusiness in a Higher Interest Rate Environment
Brian C. Briggeman, Kansas State University
Restructuring and Rebalancing Agricultural Lending: Future Challenges Facing Agricultural Lenders
Ryan Larsen, North Dakota State University; Frayne Olsen, North Dakota State University
Land Prices and Interest Rates: Impacts on Farmers, Lenders, and Landowners
Gary D. Schnitkey, University of Illinois at Urbana-Champaign

1024 Study Abroad in Agricultural Economics & Agribusiness Programs  
Dartmouth, 3rd Floor

Track Session – LAS Section
Agricultural economics and agribusiness are problem-solving fields, and both agriculture and economics are fields of global scope. Over the past two decades, agricultural commodities and agribusiness firms have gained a prominent presence in global markets, thus expanding employment opportunities for graduates from such programs. Surprisingly, however, study abroad participation by undergraduate and graduate students in agriculture is slim. The purpose of this session is to highlight a number of issues that may help explain study abroad participation by students in agricultural economics and agribusiness and to provide guidance on how study abroad participation can be enhanced in colleges of agriculture. This session is structured into five papers that will systematically overview trends in study abroad in the United States, discuss main issues and best study abroad practices to guide those interested in developing such programs, provide practical guidelines in marketing and implementation of study abroad programs, and discuss institutional readiness and support for study abroad programs in colleges of agriculture.

Organizers: Carlos E. Carpino, Texas Tech University; Hector O. Zapata, Louisiana State University
Moderator: Jaime E. Malaga, Texas Tech University
Trends in U.S. Study Abroad Participation
Hector O. Zapata, Louisiana State University
Issues and Best Practices in Developing and Managing Study Abroad Programs
Harald T. Leder, Louisiana State University
Marketing and Implementation Plans for Study Abroad Classes in Agricultural Economics
Krishna P. Paudel, Louisiana State University; Glenn C. W. Ames, University of Georgia
Institutional Readiness and Support for Study Abroad
Sukant K. Misra, Texas Tech University
Study Abroad in Graduate Agricultural Programs: OSU Master in International Agriculture
Shida Rastegari Henneberry, Oklahoma State University
Concurrent Sessions — Monday, 9:45 - 11:15 AM

**1025 Using Behavioral Economic Experiments to Inform Government Risk Management Programs**

*Exeter, 3rd Floor*

Track Session – Experimental Economics and IBES Sections

Currently, few researchers are using experimental methods to study U.S. agricultural risk management programs. This panel will bring together experimentalists and experts on agricultural risk management to help set an agenda for work in this area. This session will explore the potential for economic experiments in the laboratory and field to yield insights relevant for evaluating current programs and informing future risk management initiatives. Panelists will discuss topics including setting an agenda for experimental research on risk management issues, techniques for studying risk behaviors in the lab and field, generalizing findings from experiments to the broader agricultural population, lessons learned from behavioral finance and international development experiments, and using experimental results to inform policy-making. This track session is likely to be of interest to economists and policy-makers interested in risk management and/or experimental methods.

**Organizer:** Stephanie D. Rosch, USDA-Economic Research Service

**Moderator:** Stephanie D. Rosch, USDA-Economic Research Service

**Discussant:** Joseph C. Cooper, USDA-Economic Research Service

**Panelists:** Jean-Paul Chavas, University of Wisconsin; Charles Sprenger, University of California, San Diego; Angelino Viceisza, Spelman College

**1026 Behavioral Economic Insights in Agricultural Finance and Farm Asset Markets**

*Fairfield, 3rd Floor*

Track Session – AFM and IBES Sections

Farmland plays a central role in the financial health of the agricultural sector. Farm real estate makes up over 80% of the value of the sector’s asset base and serves as the primary source of collateral for farm loans. There is a wide body of research on farm real estate values in the agricultural economics literature. However, farmland markets have several anomalies that limit the usefulness of many traditional empirical techniques common in other areas of applied finance. For example, farmland markets have extremely lower turnover and more than half of farmland sales are not arms-length. The empirical papers presented in this session directly examine the anomalies of farm real estate markets using both market transactions and nonmarket data from across the U.S. The session outlines important implications for future research on farmland markets as well as behavioral economics research undertaken by AAEA members.

**Organizer:** Jennifer E. Ifft, Cornell University

**Moderator:** Jennifer E. Ifft, Cornell University

**Discussant:** David R. Just, Cornell University

Accounting for Relational Goods in Farmland Transactions

*Lindon J. Robison,* Michigan State University; *Jeffrey R. Oliver,* Michigan State University

Expectations and Expert Opinion Surveys: Empirical Tests Using a Panel of Iowa Land Value Survey Responses

*Wendong Zhang,* Iowa State University; *Todd H. Kuethe,* University of Illinois at Urbana-Champaign

The “True” Value of Farmland: Market Transactions versus Self-Reported Agricultural Land Values

*Daniel Bigelow,* USDA-Economic Research Service; *Jennifer E. Ifft,* Cornell University; *Todd H. Kuethe,* University of Illinois at Urbana-Champaign
Concurrent Sessions — Monday, 9:45 - 11:15 AM

1027  Mixture Models in Agricultural and Applied Economics
Regis, 3rd Floor

Track Session – Econometrics Section
Economists are turning to increasingly sophisticated models to understand complex phenomena embedded in their data. In cases of multiple data generating processes, often the source process for each data point is unknown and must be estimated. Mixture models are one approach to addressing this problem, and they have started to be used across applied fields including agricultural and behavioral or experimental economics. This session will address new applications of mixture models in agricultural yield modeling, farm finance and lending, and behavioral or experimental applications for farm risk management. The session is designed to demonstrate the ever-widening sphere of applications for mixture models, which includes choosing the right level of aggregation of data sources, classifying farms or individuals according to endogenously defined types, and selecting between candidate models of farmer financing and debt choices.

Organizer: Thomas W. Sproul, University of Rhode Island
Moderator: Eric Belasco, Montana State University

Determining Optimal Data Aggregation: An Application of Out-of-Sample Mixture Models
Joshua D. Woodard, Cornell University

Using Mixture Models as Behavioral Classifiers: Advantages and Pitfalls
Thomas W. Sproul, University of Rhode Island; Clayton P. Michaud, University of Rhode Island

Modeling Debt Choice in Agriculture: The Effect of Endogenous Asset Values
Charles B. Moss, University of Florida; Ashok K. Mishra, Arizona State University; Maria Bampasidou, Louisiana State University

1028  Graduate Student Extension Competition Winners
Simmons, 3rd Floor

Track Session – GSS and Extension Sections
The Graduate Student Extension Competition consists of graduate student-prepared work and presentation to an Extension audience. It showcases the student’s ability to communicate work product to an extension audience.

Organizers: Joshua G. Maples, Oklahoma State University; Clinton L. Neill, Oklahoma State University; John Michael Riley, Oklahoma State University

1029  Washington Policy Update
Suffolk, 3rd Floor

Track Session – Extension Section
Congress and USDA deal with a broad range of policy issues—from long-standing, agriculture-specific issues such as commodity, conservation, and trade programs, to newer, cross-cutting topics such as energy and climate change. The presenters will provide their perspectives on policy development and implementation issues affecting agriculture based on their work for the Congress and USDA. They also will seek comments and insights on issues from session attendees.

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

U.S. House of Representatives Update and Outlook
Bart L. Fischer, U.S. House of Representatives

U.S. Senate Agriculture Committee Update and Outlook
Matt Erickson, Senate Agricultural Committee

USDA Farm Policy Update and Outlook
Robert C. Johansson, USDA-Office of the Chief Economist
Concurrent Sessions — Monday, 9:45 - 11:15 AM

**1030  Effectiveness of the Clean Power Plan in the United States**
*Vineyard, 4th Floor*

**Track Session – ENV Section**
The Clean Power Plan (CPP) implemented by the EPA in 2015 aims at achieving a 32% reduction in emissions from electrical power plant by 2020 relative to 2005. Under the CPP, each state is assigned an emission rate in pounds of carbon dioxide per megawatt hour that has to be achieved through “the best system of emission reduction.” Thus, states are given the flexibility to translate the emission rate into a mass-based cap measured in pounds. The mass-based cap corresponds to a cap-and-trade program that is already implemented in 10 states. This session aims to shed light on the cost effectiveness and efficiency of the proposed CPP under implementation schemes that vary across state. Papers will assess the incentives given to state to adopt rate versus mass-based goals and how the choice translates into consumer and producer welfare.

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

Cost Effectiveness of the Clean Power Plan in Reducing GHG Emissions using Rate vs. Mass-Based Standards
*Madhu Khanna*, University of Illinois at Urbana-Champaign; *Anthony Oliver*, University of Illinois at Urbana-Champaign

*Wallace E. Tyner*, Purdue University; *Kemal Sarica*, Isik University

Emissions Allocation Design to Avoid Leakage under the Clean Power Plan

Interactions of Supply-side Climate Policies with the Clean Power Plan
*James Stock*, Harvard University

**1031  How to Get What You Need to Thrive: Achieving Extraordinary Productivity and Work-Life Balance**
*Wellesley, 3rd Floor*

**Track Session – CWAE Section**
Three years after the AAEA Mentorship Program was launched, CWAE leadership continues to receive requests for help in successful pursuit of personal and professional from our membership. The session goals are to present strategies and solutions that build in personal accountability structures to achieve research productivity, and to identify tangible practices which have the potential to foster balanced and therefore more productive faculty who seek action-oriented solutions that provide a pathway for long-term behavioral and mental shifts. It is designed to appeal to men and women at any stage of their career paths, as national trends continue to highlight the reality of dual income households and co-parenting responsibilities. The interactive panel includes CWAE members who hold different faculty appointments across all career stages, demonstrate varied approaches to success, and serve as leaders and mentors to students and colleagues.

**Organizers:** Kimberly L. Morgan, Virginia Tech; Lurleen M. Walters, Mississippi State University

**Discussant:** Lurleen M. Walters, Mississippi State University

**Panelists:** Jill J. McCluskey, Washington State University; Kimberly L. Morgan, Virginia Tech; James A. Sterns, Oregon State University; Steven C. Turner, Mississippi State University
Concurrent Sessions — Monday, 1:00 - 2:30 PM

**1032 Economic Drivers and Consequences of Large Food Retailers’ Location**

*Provincetown, 4th Floor*

**Invited Papers**

Changes in the retailing industry, including the emergence and triumph of large and non-traditional food retail formats—i.e. supercenters, wholesale clubs etc—have multiple implications. This invited session collects three contribution aiming to shed light on different aspects of the economics of large food store location. The first contribution uses an empirical model to measure the market threshold leading to consumers having more access to large food stores and testing the role of different policy levers. The second examines how the growth of supercenters may have an effect on the diet of the French consumers. The third evaluates the impact of stores closing and opening on housing value, using a specific case study.

**Organizer:** Alessandro Bonanno, Colorado State University

**Moderator:** Michele L. Ver Ploeg, USDA-Economic Research Service

**Discussant:** Michele L. Ver Ploeg, USDA-Economic Research Service

**Economic Drivers of Large Food Stores Access in the U.S.**

*Alessandro Bonanno*, Colorado State University; *Rebecca L.O. Cleary*, The Pennsylvania State University; *Lauren Chenarides*, The Pennsylvania State University; *Stephan J. Goetz*, The Pennsylvania State University

**The Effect of Supercenters on Dietary Choices and Healthfulness of Food Purchases in France**

*Gayaneh S. Kyureghian*, Korea University; *France Caillavet*, Institut National de la Recherche Agronomique; *Adelaide Fadhuile*, Grenoble Alpes University, - INRA GAEL; *Rodolfo M. Nayga*, University of Arkansas

**Open-Close-Open: Evaluating the Effect of Changes in Food Access Options on Housing Prices. Evidences from New Haven, CT**

*Adam N. Rabinowitz*, University of Connecticut; *Elena Castellari*, Università Cattolica del Sacro Cuore; *Marcello Graziano*, University of the Highlands and the Islands

**1033 Policy Instruments, Conservation and Efficiency in Water and Energy**

*Boylston, 1st Floor*

**Organized Symposium**

This session focuses on the impact of policy instruments aimed at inducing conservation or improving efficiency in the water and energy sectors.

**Moderator:** Jonathan Baker, Harvard University

**Subsidies for Succulents: The Welfare Impacts of Las Vegas’ Cash-for-Grass Rebate Program**

*Jonathan Baker*, Harvard University

**Energy Savings from Residential Building Codes: Evidence from Smart-Meter Data**

*Tianxia Zhou*, University of California, Davis; *Kevin Novan*, University of California, Davis; *Aaron D. Smith*, University of California, Davis

**Conservation Spillovers and Behavioral Interventions: Experimental Evidence from Water and Energy Use**

*Gabriel Lade*, Iowa State University; *Katrina K. Jessoe*, University of California, Davis; *Frank Loge*, University of California, Davis; *Edward Spang*, University of California, Davis

**Arbitrage-Free Pricing in Water Markets**

*Renata Rimsaitė*, The Pennsylvania State University; Karen Fisher-Vanden, The Pennsylvania State University; Sheila Olmstead, Resources for the Future
Concurrent Sessions — Monday, 1:00 - 2:30 PM

1034  Some Fundamental Determinants of Agricultural Growth
       Arlington, 3rd Floor

Organized Symposium
Agricultural growth is fundamentally important for economic development and for poverty reduction. In turn, it depends on the evolution of agricultural productivity growth, and on the rate of economic growth in rich and poor countries. An important part of that growth process is the development of cities, which profoundly affects the demand for food and the supply of resources to agriculture. Another important influence on agricultural growth is the growth of agricultural trade. The four papers in this session bring new approaches to bear on each of these fundamental determinants of growth.

Moderator: Karen M. Brooks, International Food Policy Research Institute

The Rise and Fall of U.S. Farm Productivity Growth, 1910–2007
Julian M. Alston, University of California, Davis; Matthew A. Andersen, University of Wyoming; Philip G. Pardey, University of Minnesota

Economic Growth, Convergence and Global Food Prices
William J. Martin, International Food Policy Research Institute; Emiko Fukase, World Bank

Cities and Agricultural Transformation in Developing Countries
Johan F.M. Swinnen, University of Leuven

Trade Costs in International Agricultural Trade
Stephan Von Cramon, University of Göttingen

1035  Food and Agricultural Marketing
       Salon B, 4th Floor

Selected Presentation – Lightning Session
Various topics in food demand, food marketing, food safety and technology.

Moderator: Kofi Britwum, University of Nebraska-Lincoln

Consumer Willingness to Pay for Food Safety Interventions: The Role of Message Framing and Involvement
Kofi Britwum, University of Nebraska-Lincoln; Amalia Yiannaka, University of Nebraska-Lincoln

The Impact of Adding In-Store Ancillary Services on Customer Behaviors and Retailer Profits
Simba Pasirayi, University of Georgia; Wojciech J. Florkowski, University of Georgia

Changing Dairy Consumption in an Emerging Economy: An Application of a Multivariate Two-Part Model
Shengfei Fu, University of Georgia; Wojciech J. Florkowski, University of Georgia

Can Non-Alcoholic Beer be a Substitute for Beer? Evidence from Differentiated Product Demand Model Estimation Using Scanner Data
Toru Nakajima, University of Tokyo

The Imperfect Price Responses of Orange Juice Demand in the U.S.
Hyeyoung Kim, University of Florida; Marisa L. Zansler, Florida Department of Citrus; Lisa A. House, University of Florida

A Global Perspective of Private Brands Success: The Role of Private Label Portfolio Strategies and Brand Similarity
Simba Pasirayi, University of Georgia; Wojciech J. Florkowski, University of Georgia

Do Mechanization and Commercialization Disempower Women Farmers? Panel Evidence from Malawi and Zambia
Takuji W. Tsusaka, International Crops Research Institute for the Semi-Arid Tropics
Concurrent Sessions — Monday, 1:00 - 2:30 PM

**1036**  Agribusiness Marketing  
*Salon C, 4th Floor*

**Selected Presentation – Lightning Session**  
This session discusses a range of issues related to agribusiness marketing.

**Moderator:** Ikhoon Jang, Seoul National University

Forecasting Agri-product Consumption using Keyword Volume Index from Search Engine Data  
*Ikhoon Jang,* Seoul National University; *Young-Chan Choe,* Seoul National University

Detecting the Sources of Information Rigidity: A VAR Approach to Analyzing Forecast Smoothing in Soybean Forecasts  
*Stephen A. MacDonald,* USDA-Economic Research Service; *Mark S. Ash,* USDA-Economic Research Service

Assessing the Market Integration of Domestic and Import  
*Xuan Chen,* University of Maine; *Samuel B. Scuderi,* University of Maine

Consumer Preferences for Retail Channel and Beef Steak Attributes: Experimental Evidence from Argentinean Consumers  
*Florencia Colella,* Michigan State University; *David L. Ortega,* Michigan State University

Consumers’ Willingness to Pay for Locally Grown Produce: New Hampshire and Massachusetts  
*Wei Shi,* University of New Hampshire; *John M. Halstead,* University of New Hampshire; *Ju-Chin Huang,* University of New Hampshire

Analyzing Market Structure in the U.S. Food Retailing Industry Using TDLinx  
*Nestor M. Rodriguez,* USDA-Economic Research Service

Futures Term Structure Based Unit Root Test for Agribusiness Crush Margins and Implications for Optimal Hedging Strategies  
*Ekaterina A. Vorotnikova,* University of Idaho; *Marin Bozic,* University of Minnesota-Twin Cities; *Joseph C. Cook,* University of Idaho

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**1037**  Common Pool Resources  
*Harvard, 3rd Floor*

**Selected Presentation**  
Papers in this session provide new insights on the use and management of common pool resources.

**Moderator:** Sherzod B. Akhundjanov, Washington State University

Multicountry Appropriation of the Commons, Externalities, and Firm Preferences for Regulation  
*Sherzod B. Akhundjanov,* Washington State University

Modeling Endogenous Change in Water Allocation Mechanisms: A Non-Cooperative Bargaining Approach  
*Ashish Tyagi,* The Pennsylvania State University; *James S. Shortle,* The Pennsylvania State University

Linking the Unlinked: Transboundary Water-Sharing Under Water-for Leverage Negotiations  
*Shaikh M. Eskander,* London School of Economics; *Thorsten Janus,* University of Wyoming; *Edward B. Barbier,* University of Wyoming

Long-Term Tradeoffs between Private and Social Objectives in the High Plains Aquifer  
*Juan Pablo Sesmero,* Purdue University; *Lilyan E. Fulginiti,* University of Nebraska-Lincoln; *Richard K. Perrin,* University of Nebraska-Lincoln
Concurrent Sessions — Monday, 1:00 - 2:30 PM

1038 Rural Health and Healthcare
Hyannis, 4th Floor

Selected Presentation
Healthcare is a paramount concern globally. Rural areas face unique constraints to care availability and traditionally have poorer health outcomes. Two papers in this session address the availability of healthcare for rural residents and resultant health outcomes. The other two papers address health impacts related to two quintessential rural sectors: farming and oil and gas production.

Moderator: Chad D. Meyerhoefer, Lehigh University

Availability of Health Care Providers for Rural Texas Counties
Edward Osei, Tarleton State University; Syed H. Jafri, Tarleton State University; Steve Steed, Tarleton State University; Aeliya Jaffar, Cigna-HealthSpring

The Health Implications of Unconventional Natural Gas Development in Pennsylvania
Lizhong Peng, American Institutes for Research; Chad D. Meyerhoefer, Lehigh University; Shin-yi Chou, Lehigh University, National Bureau of Economic Research

Vigorous Physical Activity and Overweight? The Paradox of Farmworkers
Eivis Qenani, California Polytechnic State University; Soma Roy, California Polytechnic State University; Neal A. MacDougall, California Polytechnic State University

1039 International Agribusiness
Maine, 5th Floor

Selected Presentation
This session addresses networking, entrepreneurship, and contract farming in developing countries.

Moderator: Di Fang, Arizona State University

Variety Adoption among Famers in a Network: The Case of Mozambique
Di Fang, Arizona State University; Timothy J. Richards, Arizona State University

Analysis of Agricultural Students in Sub-Saharan Africa Venturing into Self-employed Agribusinesses: Empirical Evidence from the University of Ghana
Eric M. K. Ofori, Mississippi State University; Yaw Osei-Asare, University Ghana

Impact of Contract Farming on Profits and Yields of Smallholder Farms in Nepal: Evidence from Lentil Cultivation

1040 Environmental and Farm Management Incorporating Behavioral Insights
Massachusetts, 5th Floor

Selected Presentation
This session provides empirical behavioral insights into farm and environment management by considering a variety of issues including uncertainty, time, and spatial relationships.

Moderator: Sandip Agarwal, Iowa State University

Learning Spatiotemporal Management under Heterogeneous Damage and Uncertain Parameters: An Agent-Based Approach
Jason J. Holderieath, Colorado State University; Joleen C. Hadrich, Colorado State University

Spatial Dependence and Determinants of Dairy Farmers’ Adoption of Best Management Practices for Water Protection
Wei Yang, University of Auckland

Unfolding the Bias in Farm Nitrogen Management
Sandip Agarwal, Iowa State University; Keri L. Jacobs, Iowa State University; Quinn Weninger, Iowa State University
Concurrent Sessions — Monday, 1:00 - 2:30 PM

1041 Storage and Inventory Decisions in Agricultural Markets  
*Nantucket, 4th Floor*

**Selected Presentation**
This session examines agricultural market dynamics focusing on storage and inventory decisions.

**Moderator:** Brian D. Wright, University of California, Berkeley

“Negligible” Trends and the Empirical Interpretation of Commodity Prices  
*Brian D. Wright*, University of California, Berkeley; *Eugenio Bobenrieth*, Pontificia Universidad Católica De Chile; *Juan R.A. Bobenrieth*, Universidad del Bio-Bio; *Di Zeng*, University of Arkansas

A Dynamic Model of U.S. Beef Cow Inventories  
*Yunhan Li*, University of Georgia; *J. Scott Shonkwiler*, University of Georgia

Decomposing Local Corn Prices into Hedgeable and Unhedgeable Shocks  

Structural Estimation of the Competitive Storage Model with Elastic Supply Using Data on Prices and Quantities  
*Christophe Gouel*, Institut National de la Recherche Agronomique; *Nicolas Legrand*, Institut National de la Recherche Agronomique

1042 Methods in Valuing the Environment through Survey Design  
*New Hampshire, 5th Floor*

**Selected Presentation**
The papers in this session address methodological aspects associated with valuing the environment through survey design.

**Moderator:** Jerrod Penn, University of Kentucky

Making the Most of Cheap Talk in an Online Survey  
*Jerrod Penn*, University of Kentucky; *Wuyang Hu*, University of Kentucky

A Distribution Transition Method for Extreme Responses in Recreation Survey Data  
*Ashley Barfield*, University of Georgia; *J. Scott Shonkwiler*, University of Georgia

Using a Spatial Error Latent Class Approach to Accommodate Willingness to Pay Hotspots  
*Danny Campbell*, University of Stirling

Preference Elicitation Methods and Welfare Implications: Experimental Evidences from Valuation and Purchasing Water Quality Credits  
*Pengfei Liu*, University of Connecticut; *Stephen K. Swallow*, University of Connecticut

1043 How Different Types of Credence Attributes Affect Consumer Preferences  
*Regis, 3rd Floor*

**Selected Presentation**
These papers determine how product attributes that cannot be easily verified by consumers impact consumer preferences for goods. Different types of these credence attributes are considered across different goods and countries.

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

Impact of Organic, Sustainable, and Salmon-Safe Wine Making Practices on Wine Prices  
*Megan Waldrop*, Washington State University; *Jill J. McCluskey*, Washington State University

The Meat of the Matter: A Choice Experiment to Understand Consumers’ Valuation of Animal Welfare and Other Credence Claims in Fresh Meat Products  
*LENKA MALEK*, University of Adelaide, Women and Children’s Health Research Institute; *Wendy J. Umberger*, University of Adelaide; *Jill Windle*, Central Queensland University; *John C. Rolfe*, Central Queensland University; *Sven M. Anders*, University of Alberta

Are Consumers’ Preferences for Food Values in the U.S. and Norway Similar? A Best-Worst Scaling Approach  
*Claudia Bazzani*, University of Arkansas; *Geir W. Gustavsen*, Norwegian Institute of Bioeconomy Research; *Rodolfo M. Nayga*, University of Arkansas; *Kyrre Rickertsen*, Norwegian University of Life Sciences

Profiling Private-Label Avoiders  
*Ronald B. Larson*
Concurrent Sessions — Monday, 1:00 - 2:30 PM

**1044 Attributes Influencing Beverage Consumption**  
*Salon A, 4th Floor*

**Selected Presentation**
This session focuses on factors influencing beverage and food demand and new methods for estimating demand models.

**Moderator:** Richard Carew, Agriculture and Agri-Food Canada

Segmenting California Wines in the British Columbia Wine Market: The Influence of Wine Attributes on Retail Wine Prices  
Richard Carew, Agriculture & Agri-Food Canada; Wojciech J. Florkowski, University of Georgia; Ting Meng, University of Pennsylvania

Is Fair Trade Fair for Consumers? A Hedonic Analysis of U.S. Retail Fair Trade Coffee Prices  
Xiaojin Wang, University of Kentucky; Yuqing Zheng, University of Kentucky

A Composite Demand Analysis for the Beverage Market  
Yan Heng, University of Florida; Lisa A. House, University of Florida

The Impact of Nutrient Demand and Marketing Instruments on Intra-Category Substitution  
Yi Xie, Arizona State University; Timothy J. Richards, Arizona State University

**1045 Topics on Crop Insurance**  
*Salon D, 4th Floor*

**Selected Presentation**
Papers in this session examine the implications of U.S. federal crop insurance subsidies on U.S. agriculture.

**Moderator:** Ashley Hungerford, USDA-Economic Research Service

Estimating Demand for Government Subsidized Insurance: Evidence from the U.S. Crop Insurance Program  
Joshua D. Woodard, Cornell University

The Effect of Crop Insurance Premium Subsidies on Soybean Producers’ Risk Management Portfolios  
Ashley E. Hungerford, USDA-Economic Research Service; Stephanie D. Rosch, USDA-Economic Research Service

The Acreage Effects of the Premium Subsidy in the U.S. Federal Crop Insurance Program  
Jisang Yu, University of California, Davis; Daniel A. Sumner, University of California, Davis; Aaron Smith, University of California, Davis

Upland Cotton Producers' Willingness to Participate in a BMP/STAX Pilot Program  
Christopher N. Boyer, University of Tennessee; Kimberly L. Jensen, University of Tennessee; Elizabeth McLeod, Clemson University; James A. Larson, University of Tennessee

**1046 Risk and Insurance in the Developing World**  
*Salon H, 4th Floor*

**Selected Presentation**
Papers in this session cover topics related to risk and insurance vis-a-vis shocks and technology adoption in less developed countries.

**Moderator:** Quentin Stoeffler, University of California, Davis

Insuring Farmer Groups: Impacts of a Cotton Area-Yield Insurance in Burkina Faso  
Quentin Stoeffler, University of California, Davis; Michael R. Carter, University of California, Davis

Getting Ahead or Falling Behind? The Importance of Households’ Ability to Manage Idiosyncratic Risk in Rural Ghana  
Felix Naschold, University of Wyoming

Natural Disasters and the Family in Areas with High Levels of Insurance  
Adan Silverio Murillo, University of Minnesota

Fit-Risk in Development Projects: Role of Demonstration in Technology Adoption  
Moon Parks, University of California, Berkeley; Sangeeta Bansal, Jawaharlal Nehru University; David Zilberman, University of California, Berkeley
Concurrent Sessions — Monday, 1:00 - 2:30 PM

1047 Labor Supply and Outcomes in Developing Countries
    Salon I, 4th Floor

Selected Presentation
Papers in this session deal with the cause and impact of different types of labor supply decisions in developing countries.

Moderator: Megan B. Sheahan, Precision Agriculture for Development

Disaggregated Labor Supply Implications of Guaranteed Employment in India
Megan B. Sheahan, Precision Agriculture for Development; Yanyan Liu, International Food Policy Research Institute; Sudha Narayanan, Indira Gandhi Institute for Development Research; Christopher B. Barrett, Cornell University

Participation in Non-Farm Work and Vulnerability to Food Poverty of Households in Northern Ghana
Yacob A. Zereyesus, Kansas State University; Weldensie T. Embaye, Kansas State University; Francis Tsiboe, University of Arkansas; Vincent Amanor-Boadu, Kansas State University

Early Fertility and Labor Market Segmentation: Evidence from Madagascar
Kira M. Villa, University of New Mexico; Catalina Herrera Almanza, Northeastern University; David Ezra Sahn, Cornell University

The Impact of Emergency Food Aid on Children’s Schooling and Work Decisions
Nzinga H. Broussard, USDA-Economic Research Service; Robert Poppe, Deutsche Gesellschaft fuer Internationale Zusammenarbeit; Tsegay G. Tekleselassie, University of Sussex

1048 Sanitary and Phytosanitary Measures in Agricultural Trade
    Salon J, 4th Floor

Selected Presentation
This session focuses on sanitary and phytosanitary measures, food safety standards, and their effects on international agricultural markets. The analyses are relevant to stakeholders as well as policy makers in agri-food sectors.

Moderator: Jada Thompson, Colorado State University

A System Approach for Three-Dimensional Panel Data to Estimate Poultry Trade Impacts due to Animal Disease Outbreaks
Jada Thompson, Colorado State University; Dustin L. Pendell, Kansas State University

Revealed Concerns: A New Look at the Impact of Sanitary and Phytosanitary Measures on Agri-Food Trade
Jason Grant, Virginia Tech; Shawn Arita, USDA-Economic Research Service

Evaluating the Stringency of Maximum Residue Limits: U.S. Exports of Fruits and Vegetables to the EU and TPP Markets
Mina Hejazi, Virginia Polytechnic Institute & State University; Jason Grant, Virginia Tech; Everett B. Peterson, Virginia Tech

Analysis of the Food Safety Standards Impact on Quality Upgrading
Jihyun Eum, The Ohio State University; Stanley R. Thompson, The Ohio State University

1049 Economics of Biofuels
    Salon K, 4th Floor

Selected Presentation
This session examines economic and environmental aspects of biofuels production

Moderator: David Zilberman, University of California, Berkeley

Corn Ethanol and U.S. Biofuel Policy Ten Years Later: A Systematic Review and Meta-Analysis
Gal Hochman, Rutgers University; David Zilberman, University of California, Berkeley

Identifying the Factors Causing the Coupling of Renewable Identification Number Prices and the Consequences
Evan L. Markel, University of Tennessee; Dayton M. Lambert, University of Tennessee

A Re-Examination of “Land Price Volatility in a Geographically Dispersed Market”: Ethanol, Market Change, and New Methods
Jeffrey S. Young, Purdue University; James K. Binkley, Purdue University; Raymond J.G.M. Florax, Purdue University
Concurrent Sessions — Monday, 1:00 - 2:30 PM

**1050** The Livestock Sector: Topics on Health and Productivity  
*Tremont, 1st Floor*

**Selected Presentation**
This session covers topics related to health and productivity in the livestock sector in the United States and the European Union.

**Moderator:** Elliott J. Dennis, Kansas State University

Eliminating Arrival Antibiotic Treatment Economic Impacts on U.S. Feedlots  
Ted C. Schroeder, Kansas State University; **Elliott J. Dennis**, Kansas State University; David G. Renter, Kansas State University

Using a Portfolio Approach to Evaluate Animal Health Surveillance Portfolios in the United States  
**Kamina K. Johnson,** USDA-Animal and Plant Health Inspection Service; Maria C. Antognoli, USDA-Animal and Plant Health Inspection Service; Sara C. Ahola, USDA-Animal and Plant Health Inspection Service; Lori L. Gustafson, USDA-Animal and Plant Health Inspection Service; Matthew A. Branan, Colorado State University; Marta D. Remmenga, USDA-Animal and Plant Health Inspection Service; Rebecca D. Jones, USDA-Animal and Plant Health Inspection Service; Kathleen A. Orloski, USDA-Animal and Plant Health Inspection Service; David J. Hsi, USDA-Animal and Plant Health Inspection Service

Do Nutrient Management Plans Actually Manage Nutrients? Evidence from a Nationally-Representative Survey of Hog Producers  
**Stacy E. Sneeringer,** USDA-Economic Research Service; Shirley Pon, University of Maryland

Deregulation and Productivity – Empirical Evidence on Dairy Production  
**Fabian Frick,** Technical University of Munich; Johannes Sauer, Technical University of Munich

**1051** Climate Variability and Drought Impacts on U.S. Agricultural Production  
*Vermont, 5th Floor*

**Selected Presentation**
This session is related to climate change impacts on U.S. agricultural production.

**Moderator:** David Hennessy, Michigan State University

The Predictive Content of Climate Anomalies for Agricultural Production: Does ENSO Really Matter?  
David Ubilava, University of Sydney; **Jan A. Orlowski**, University of Sydney

Crop Competitiveness and Future Climate Change in the Northern Great Plains  
Gaurav Arora, Iowa State University; Hongli Feng, Michigan State University; **David A. Hennessy**, Michigan State University; Christopher Anderson, Iowa State University

An Alternative Approach to Measuring Drought in the Corn Belt  
Raymond J. Supalla, University of Nebraska-Lincoln; Bruce Johnson, University of Nebraska-Lincoln; **Anil Giri**, University of Central Missouri

Climate Change impacts on Agricultural Production and Farm Incomes in Texas  
**Edward Osei,** Tarleton State University; Syed H. Jafri, Tarleton State University

**1052** Modeling Space and Time in Agricultural Economics  
*Yarmouth, 4th Floor*

**Selected Presentation**
Research continues to recognize the importance of spatial and temporal dynamics in all areas of applied economic research. These papers develop applications of spatial and time-series models to several exciting areas of applied research.

**Moderator:** Eunchun Park, Oklahoma State University

Using Bayesian Spatial Smoothing and Extreme Value Theory to Develop Area-Yield Crop Insurance Rating  
**Eunchun Park**, Oklahoma State University; Wade Brorsen, Oklahoma State University; Ardian Harri, Mississippi State University

Comovements and Volatility Spillovers in Commodity Markets  
**Sibong Chen,** Texas A&M University; Ximing Wu, Texas A&M University

Generalization of the Efficiency Gains in Commodity Forecasting using Disaggregated Levels v.s. More Aggregated Predictions in Multiple Time Series  
**Luis M. Pena-Levano,** Purdue University; Kenneth A. Foster, Purdue University

Spatial Convergence of U.S. Obesity Rates and its Determinants  
Xun Li, Wuhan University; **Rui Wang**, Tulane University
Concurrent Sessions — Monday, 1:00 - 2:30 PM

1053 **Renewable Energy**
*Columbus 1, 1st Floor*

**Selected Presentation**
This session addresses the role that policies play in creating incentives for both producers and consumers of renewable energy. Presentations focus on biofuels and solar technology.

**Moderator:** Elena Dulys, Michigan State University

What Drives the Potential Supply of Timber Residues from Private Lands in the Northern Tier of the Great Lakes?
**Elena Dulys,** Michigan State University; Sarah S.H. Klammer, Michigan State University; Scott M. Swinton, Michigan State University

The Economic Cost of Including the Indirect Land Use Factor in Low Carbon Fuel Policy: Efficiency and Distributional Implications
**Madhu Khanna,** University of Illinois at Urbana-Champaign; Weiwei Wang, University of Illinois at Urbana-Champaign

Land Use Change Impact of Renewable Fuel Standard: Evidence from Changes in CRP Re-Enrollment
Jennifer E. Ifft, Cornell University; **Deepak Rajagopal,** University of California, Los Angeles; Ryan Weldzius, University of California, Los Angeles

1054 **Not Your Grandparents' Farm Bill (or Does the U.S. Farm Bill Still Matter?)**
*Clarendon, 3rd Floor*

**Track Session – Extension and Senior Sections**
The 2014 Farm Bill was touted by the White House as “Not Your Father's Farm Bill.” It eliminated direct and counter-cyclical payments and reformed the federal crop insurance program, according to the White House statement. However, a closer look reveals a new suite of safety-net programs, and the expansion of federal crop insurance and disaster assistance programs. Other titles saw only modest changes, for example, to food stamp eligibility criteria and the budget caps for conservation easements. Is the new bill really a novel approach to farm policy; or more of the same incremental change we’ve observed for decades? Significantly reformed or not—is the farm bill relevant for today's complex and diverse agricultural and food system? The participants in this panel discussion will be invited by the moderators to address these and other questions in a lively, interactive discussion.

**Organizers:** Nicole Susan Ballenger, University of Wyoming; Neilson C. Conklin, Farm Foundation

**Moderators:** Nicole Susan Ballenger, University of Wyoming; Neilson C. Conklin, Farm Foundation

**Panelists:** John Hardin, Hardin Farms, Indiana; Bradley D. Lubben, University of Nebraska-Lincoln; Alexander F. McCalla, University of California, Davis

1055 **Agri-Food System and Structural Transformation in Africa**
*Dartmouth, 3rd Floor*

**Track Session – Africa Section**
Africa’s population is projected to reach approximately two billion people by 2050. The continent’s recent economic transformation and the increasing middle class has engendered food demand similar to trends elsewhere. To meet changing food needs, Africa’s agri-food sector needs a systems’ transformation. As agricultural productivity increasingly release labor to other sectors, the sector’s ability to accommodate the adoption of new technologies must be enhanced, challenging existing tenural systems and their influence on access to credit, which together challenge agriculture’s attractiveness as a career option for young people. The aforementioned factors jointly and independently influence power distribution at all levels in Africa, with the potential to affect national security because of people’s food and nutrition security. This track session presents a panel exploring the interconnections among the foregoing challenges and innovative opportunities for future research to influence policymaking.

**Organizers:** Awudu Abdulai, University of Kiel; Vincent Amanor-Boadu, Kansas State University; Nicole M. Mason, Michigan State University

**Moderator:** Nicole M. Mason, Michigan State University

**Discussants:** Awudu Abdulai, University of Kiel; Vincent Amanor-Boadu, Kansas State University

African Economic Transformation from the Bottom Up
**Margaret McMillan,** International Food Policy Research Institute

Africa’s Evolving Employment Structure: Trends and Implications for Youth Livelihoods in Agriculture
**Felix K. Yeboah,** Michigan State University

Agriculture, Inclusive Growth, and National Stability: Exploring the Nexus between Food Security and National Security
**Adesoji O. Adelaja,** Michigan State University
Concurrent Sessions — Monday, 1:00 - 2:30 PM

1056  Using Experimental Economics to Offer Insight into Ethical and Environmental Issues
Exeter, 3rd Floor

Track Session – Experimental Economics Section
Ethical and environmental issues such as animal welfare and environmental sustainability are becoming more and more important. It is vital to understand drivers of consumer choice as it relates to these issues. This session provides evidence from a choice experiment regarding consumer demand for eggs from animal welfare enhanced production systems. Furthermore, an online choice study is used to understand how perceptions of various production issues, such as animal welfare, influence consumer valuation of fluid milk attributes. In addition, environmental sustainability is highlighted investigating consumers’ willingness to pay for pollinator-friendly landscape plants and implications for ornamental horticulture industry. Finally, an online choice experiment drawing on data from multiple large urban areas in the United States is used to study consumer preferences for produce from grocery stores versus produce from farmers’ markets and urban gardens.

Organizers: Jessica Y. Cao, University of Guelph; Hayk Khachatryan, University of Florida
Moderator: Antonios Printezis, Arizona State University

Investigating the Precedence-Dependent Order Effects within Repeated Round of Choice Experiments—the Example of Animal Welfare
Jessica Y. Cao, University of Guelph; John Cranfield, University of Guelph

Perception of Fluid Milk Production Practices on Animal Welfare and Environmental Attribute Willingness to Pay
Benjamin L. Campbell, University of Georgia; Adam N. Rabinowitz, University of Connecticut; Yizao Liu, University of Connecticut; Qiushuo Yu, University of Connecticut

Experimental Evidence on Consumers’ Willingness to Pay for Pollinator-Friendly Landscape Plants
Hayk Khachatryan, University of Florida; Alicia Rihn, University of Florida; Ben Campbell, University of Connecticut; Chengyan Yue, University of Minnesota; Charles Hall, Texas A&M University; Bridget Behe, Michigan State University

I’m Naturally Biased! Preferences for Local Food Depending on the Point of Sale
Iryna Printezis, Arizona State University; Carola Grebitus, Arizona State University; Antonios Printezis, Arizona State University

1057  Building Management Capacity for American Indian Agricultural Businesses
Fairfield, 3rd Floor

Track Session – Extension Section
This session will discuss the approaches taken to address issues unique to Indian Country when conducting Extension programming related to agriculture entrepreneurship. We will discuss train-the-trainer programs and support for agriculture professionals that are located on reservations and have experience working with American Indian farmers and ranchers. These professionals include Federally Recognized Tribal Extension Program (FRTEP) agents, 1994 Tribal Colleges Extension professionals, and non-profit organizations in Indian Country.

Organizer: Kynda R. Curtis, Utah State University
Panelists: Kynda R. Curtis, Utah State University; Ruby A. Ward, Utah State University

1058  New Frontiers in Applied Risk Analysis
Simmons, 3rd Floor

Track Session – ARA Section
This session will present frontier research in applied risk analysis; all papers use cutting-edge empirical methods.

Organizer: Marc F. Bellemare, University of Minnesota
Discussant: David R. Just, Cornell University

Do Producers Follow Bayes’ Rule? Empirical Evidence on Price Risk Ambiguity
Yu Na Lee, University of Minnesota; Marc F. Bellemare, University of Minnesota; David R. Just, Cornell University

Shortcomings of Exactly Identified Preferences Elicitations
Thomas W. Sproul, University of Rhode Island; Clayton P. Michaud, University of Rhode Island
Concurrent Sessions — Monday, 1:00 - 2:30 PM

1059 How do You Choose Your Food? Insights from Behavioral Economics  
_St. Botolph, 2nd Floor_

**Track Session – FSN and IBES Sections**

Behavioral economics provides a framework for understanding individual behavior, including behavior that may be viewed as suboptimal from both a public health perspective and an individual point of view —behavioral anomalies; irrationality. Behavioral economics complements traditional economic theory to help explain obesity rates and other dietary-related diseases by considering how environmental, contextual, and cognitive factors affect choice. This session highlights behavioral aspects of healthy food choices by discussing whether incentive-based health programs, mediated by social network effects, successfully promote improved diet quality outcomes. Furthermore, the effectiveness of a culturally relevant healthy food label is tested, focusing on minority groups with higher rates of diet-related health problems than the general U.S. population. In addition, a field experiment examining the impact of attractive displays for vegetables on produce choice at a Food Bank is presented. Finally, an eye-tracking experiment investigating the role of brands on willingness-to-pay for beverages is discussed.

**Organizers:** Carola Grebitus, Arizona State University; Karen E. Lewis, University of Tennessee  
**Moderator:** Christiane Schroeter, California Polytechnic State University

- **Empirical Analysis of an Incentive-Based Health Program with College Students**  
  *Christiane Schroeter*, California Polytechnic State University

- **Impact of Culturally Relevant Healthy Food Labels on Food Choice on the Rosebud Reservation**  
  *Christopher R. Gustafson*, University of Nebraska-Lincoln; Matt Perlinger, University of Nebraska-Lincoln

- **What’s Behind Door Number Three? Effect of Behavioral Economic Nudges at a Food Shelf on Fruit and Vegetable Consumption of Clients**  
  *Erin Roche*, University of Vermont; Jane M. Kolodinsky, University of Vermont; Michelle Wallace, Vermont Foodbank

- **How Important are Brands in the Food Market Space? Disentangling the Effects of Attention on Consumer Valuation of Branded versus Unbranded Products using Eye Tracking**  
  *Carola Grebitus*, Arizona State University; Karen E. Lewis, University of Tennessee; Rodolfo M. Nayga, University of Arkansas

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1060 How Regional Economics Has Changed and What We Learned  
_Suffolk, 3rd Floor_

**Track Session – CRENET Section**

With the Rural Development Act of 1972, funding and priority of rural economic and development teaching, research, and extension activities increased. The 1972 Act also created the Regional Rural Development Centers which have coordinated regional community and economic development activities. During this same time period, many land grants invested in rural community and economic development by hiring, teaching, research, and extension faculty in this area. Currently many of these faculty are actually or contemplating retirement which mean a new cohort of community and economic development faculty will be working in this area. With these large retirements and hires, the issue of knowledge transmission has become a point of interest. This session will have three speakers addressing development of teaching, research, and extension programs in community and economic development and problems that arose and were addressed. Two new faculty members will address maintaining programs that have historically been successful and identify new opportunities for community and economic development teaching, research, and extension programs.

**Organizer:** Thomas R. Harris, University of Nevada, Reno  
**Moderator:** Steven C. Deller, University of Wisconsin

**Presenters:** Rebekka M. Dudensing, Texas A&M AgriLife Extension Service; Thomas R. Harris, University of Nevada, Reno; Paul A. Lewin, University of Idaho; Bruce A. Weber, Oregon State University; Michael D. Woods, Oklahoma State University
Concurrent Sessions — Monday, 1:00 - 2:30 PM

1061  Environmental Effects of Shale Gas Fracking
       Vineyard, 4th Floor

Track Session – ENV Section
The increase in hydraulic fracturing to produce shale gas has led to several environmental concerns regarding its impact on water consumption and water quality and its consequences for local residents. This session will include four papers that will present analysis quantifying the water quantity and quality effects of fracking, its implications for drinking water use decisions and on property values in the affected areas.

Organizer: Madhu Khanna, University of Illinois at Urbana-Champaign

The Effects of Unconventional Oil and Gas Development on Agriculture
Yusuke Kuwayama, Resources for the Future (RFF); Timothy Fitzgerald, Texas Tech University; Sheila Olmstead, University of Texas-Austin; Alexandra Thompson, Resources for the Future (RFF)

No Country for Mineral Rights: A Hedonic Valuation of Tight Gas Development in Colorado
Corey Lang, University of Rhode Island; Andrew J. Boslett, University of Rhode Island; Todd Guilfoos, University of Rhode Island

Unconventional Shale Gas Development, Risk Perceptions, and Averting Behavior
Allen Klaiber, The Ohio State University; Douglas H. Wrenn, The Pennsylvania State University

The Effects of the Natural Gas and Oil Boom on Water Use in the U.S.
Minhong Xu, University of Illinois at Urbana-Champaign; Yilan Xu, University of Illinois at Urbana-Champaign; Madhu Khanna, University of Illinois at Urbana-Champaign

1062  Learning Objectives Compared to Actual Learning
       Wellesley, 3rd Floor

Track Session – TLC Section
This session explores the educational value of undergraduate agribusiness and agricultural economics education. Senior students at Colorado State University and California Polytechnic State University were given the same comprehensive, two-hour assessment designed to test knowledge and skills in agricultural economics, finance, marketing and policy, as well as written communication skills. To test the value gained by the four-year curriculum, first-quarter freshmen at both institutions were provided the same assessment. Initial data collected in Spring and Fall 2015 indicate very revealing differences as well as some striking similarities between the seniors and freshmen performance. Further data collection is ongoing with final results expected in June 2016. We will also report new results on a 2015 assessment of undergraduate research experiences that surveyed alumni from six universities with agribusiness/agricultural economics and economics programs.

Organizers: Lynn L. Hamilton, California Polytechnic State University; Gregory M. Perry, Colorado State University

Discussant: Jay Noel, California Polytechnic State University

Panelists: Lynn L. Hamilton, California Polytechnic State University; Leah G. Mathews, University of North Carolina at Asheville; Gregory M. Perry, Colorado State University
Concurrent Sessions — Monday, 1:00 - 2:30 PM

1063 Evaluating Trade Performance in Agriculture

Berkeley, 3rd Floor

Track Session – COSBAE and International Sections

Global livestock, meat, grains and oilseeds consumption and trade have risen steadily, driven on the demand side, by rising incomes and expanding populations, and on the supply side by increased feed availability, technological change, changing industry structure, and improvement in transportation, and other value-adding technologies. At the same time, a number of trade agreements have facilitated further expansion of U.S. agricultural exports. In the last 50 years, U.S. presence in animal products, feed grains and oilseed trade have seen dramatic changes. Markets that were once predominantly import-oriented markets have begun to export significant amounts of products. Understanding the drivers of these changes could be beneficial to informing agricultural trade policy. The objective of this session is to explore the changes in trade openness and competitiveness in U.S. and global livestock, grains and oilseeds in light of the existing and ongoing bilateral and multilateral trade agreements.

Organizers: Keithly G. Jones, USDA-Economic Research Service; Ivan T. Kandilov, North Carolina State University

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

Presenter: Lurleen M. Walters, Mississippi State University

Overview of the U.S. Agricultural Trade Performance

Ivan T. Kandilov, North Carolina State University

Revealed Comparative Advantage of U.S. Livestock, Grain and Oilseed Commodities

Lorraine S. Mitchell, USDA-Economic Research Service; Shelbi Knisley, USDA-Economic Research Service; Andy Jerardo, USDA-Economic Research Service

Trade Performance in the Livestock Sector

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

1064 Exploring Economic and Policy Frontiers at the Intersection of Resource, Regional, and Rural
Provincetown, 4th Floor

Invited Papers
This session aims to stimulate a dialog among resource, regional and rural economists to assess the progress and prospects of research and policies at the intersection of resource, rural and regional economics, to discuss current on-going research, and to identify emerging topics of interest and possible directions for future research.

Organizers: Bruce A. Weber, Oregon State University; JunJie Wu, Oregon State University
Moderator: Bruce A. Weber, Oregon State University
Discussant: Maureen Kilkenny, National Center for Food and Agricultural Policy

JunJie Wu, Oregon State University; Bruce A. Weber, Oregon State University; Mark D. Partridge, The Ohio State University

Spatial-Dynamic Complexities of the Climate Challenge for Rural Areas: Integrating Resource and Regional Economic Insights
Rebecca S. Epanchin-Niell, Resources for the Future; Yusuke Kuwayama, Resources for the Future; Margaret Walls, Resources for the Future

Protected Areas and Urban Development: The Case Study of Natural Regional Parks in France
Thomas Coisnon, AGROCAMPUS OUEST; Julien Salanié, Université Jean Monnet

1065 Consumers’ Trade-offs When Different Values Conflict: Insights and Examples with Animal Welfare and Environmental Sustainability as Choice Criteria
Arlington, 3rd Floor

Organized Symposium
Global food value chains are cooperating to achieve collective sustainability standards, including measurable and verifiable environmental, economic and social indicators. Given the ecology of agricultural production, regulatory improvement of one indicator e.g. animal welfare, may lead to adverse environmental (public good) or economic (private) outcomes, confounding the common sustainability goal. We report on international research examining public perceptions and values regarding sustainability, and consider how consumers make trade-offs in food preferences when outcomes for different social and environmental criteria are conflicting. A discussion of challenges and opportunities from including neurophysiological measures for this kind of research is part of our conversation.

Moderator: Wendy J. Umberger, University of Adelaide

Public Interest in the Use of Genomic Selection to Breed Pigs with Animal Welfare, Human Health and Environmental Outcomes
Ellen W. Goddard, University of Alberta

Understanding Australian Consumers’ Trade-off Decisions when Choosing Meat with Animal Welfare and Other Sustainable Attributes
Lenka Malek, Women’s and Children’s Health Research Institute; Jill Windle, Central Queensland University; Wendy J. Umberger, University of Adelaide; John C. Rolfe, Central Queensland University

Organizing Neuroeconomics around Sustainability Constructs and Ethics-based Decisions in Agriculture: The Example of Animal Welfare
Daniel R. Hawes, University of Bonn; Monika Hartmann, University of Bonn

1066 Online Survey Data Quality and its Implication: Academia and Industry Perspective
Tremont, 1st Floor

Organized Symposium
This session will discuss data quality issues in online surveys from both academia and industry perspectives. The panel members of the symposium will discuss the impact of potential satisficing behavior of online consumer panels on data quality. They will also demonstrate the use of different instruments that are commonly applied by online survey companies and researchers in academia. In addition, the panel members will present several approaches that can be used to improve the quality of data collected from online surveys.

Organizers: Zhifeng Gao, University of Florida; Lisa A. House, University of Florida
Panelists: Zhifeng Gao, University of Florida; Lisa A. House, University of Florida; Trey Malone, Oklahoma State University; Peter Shafer, Enterprise Solutions, Toluna USA, Inc.
Concurrent Sessions — Monday, 2:45 - 4:15 PM

1067  Price Dynamics in Agricultural and Related Markets
Salon B, 4th Floor

Selected Presentation – Lightning Session
The studies in this section use modern time series methods to explore price dynamics in agricultural and related markets.

Moderator: Evgenia Pavlova, Georg-August University

Short and Long-run Dynamics of Inflation and Commodity Prices
Sarah A. Stutzman, Purdue University; Luis M. Pena-Levano, Purdue University; Timothy G. Baker, Purdue University; Cesar L. Escalante, University of Georgia

The Great Recession and Vertical Price Transmission in the U.S. Beef Market
Elham Darbandi; Sayed H. Saghaian, University of Kentucky

On The Economics of Commodity Price Dynamics and Price Volatility: A Case Study of Chinese Agricultural Commodity Market
Jean-Paul Chavas, University of Wisconsin; Jian Li, Huazhong Agricultural University

The Effect of Brazilian Corn and Soybean Crop Expansion on Price and Volatility Transmission
Jose Cesar Cruz Jr., Federal University of Sao Carlos; Daniel Henrique Dario Capitani, University of Campinas; Rodrigo L. F. Silveira, University of Campinas; Fabiana S. P. Urso, BM&F Bovespa; Joao G. Martines-Filho, University of Sao Paulo

Estimating Relative Price Impact: The Case of Brent and WTI
Shiyu Ye, University of Georgia; Berna Karali, University of Georgia

Measuring Price Discovery in Agricultural Markets
Evgenia Pavlova, Georg-August-Universität Göttingen; Stephan Von Cramon, University of Göttingen

Vegetable Price Prediction Using Atypical Web-Search Data
Do-il Yoo, Chungbuk National University

1068  Crop and Revenue Insurance
Salon C, 4th Floor

Selected Presentation – Lightning Session
This lightning round session provides new insights into current issues related to crop and revenue insurance.

Moderator: Juan He, North Carolina State University

Estimating the Effect of Crop Insurance on Input Use When Insured Farmers are Monitored
Juan He, North Carolina State University; Roderick M. Rejesus, North Carolina State University; Xiaoyong Zheng, North Carolina State University; Jose M. Yorobe Jr., University of the Philippines - Los Banos

The Potential to Use Futures and Options to Manage Crop Insurance Losses
Jonathon Driedger, University of Manitoba; Milton Boyd; Lysa Porth, University of Manitoba

Comparative Analysis of Producer Welfare Benefits of Yield Substitution and Yield Exclusion
Shyam Adhikari, Aon Benfield

The Demand for Crop Insurance: Elasticity and the Effect of Yield Shocks
Erik J. O’Donoghue, USDA-Economic Research Service; Sarah Tulman, USDA-Economic Research Service

Farmer Response to Crop Insurance Incentives Under Heterogeneous Risk-Management Strategies

Impact Evaluation of the Brazilian Crop Insurance Public Program “Proagro Mais”
Carlos Andres Oñate, University of Sao Paulo; Vitor Ozaki, University of Sao Paulo; Boris E. Bravo-Ureta, University of Connecticut

Can Crop Productivity Indices Improve Crop Insurance Rates?
Keith H. Coble, Mississippi State University; Jesse B. Tack, Mississippi State University; Xiaofei Li, Mississippi State University; Barry J. Barnett, Mississippi State University
Concurrent Sessions — Monday, 2:45 - 4:15 PM

1069 Gender and Decision-Making
Berkeley, 3rd Floor

Selected Presentation
All papers in this session focus on gender-empowerment and related issues in developing countries.

Moderator: Lindsey K. Novak, University of Minnesota

Change of Heart: Shifting Opinions of Female Genital Cutting
Lindsey K. Novak, University of Minnesota

Does She Have a Say? The Impact of Livestock Transfer and Associated Training on Women’s Empowerment: Evidence from Nepal and Zambia
Kashi R. Kafle, University of Illinois at Urbana-Champaign; Hope C. Michelson, University of Illinois at Urbana-Champaign; Alex E. Winter-Nelson, University of Illinois at Urbana-Champaign

Gender, Agricultural Extension, and the Adoption of Improved Maize Varieties: Evidence from Ethiopia, Kenya, Tanzania, Malawi, and Mozambique
Ruth Meinzen-Dick, International Food Policy Research Institute; Cheryl R. Doss, Yale University; Simone Passarelli, International Food Policy Research Institute; Greg Seymour, International Food Policy Research Institute

Decomposing the Gender Wealth Gap in Ecuador
Boaz Anglade, University of Florida; Pilar Useche, University of Florida; Carmen Diana Deere, University of Florida

1070 Water Quality Policies
Harvard, 3rd Floor

Selected Presentation
This session examines various policies and management approaches directed at reducing nutrients and pollutants in public waters. Presentations primarily address agricultural and residential sources.

Moderator: Marc O. Ribaudo, USDA-Economic Research Service

Reducing the Dead Zone: Assessing the Costs to Agriculture
Marc O. Ribaudo, USDA-Economic Research Service; Elizabeth Marshall, USDA-Economic Research Service; Scott A. Malcolm, USDA-Economic Research Service; Marcel P. Aillery, USDA-Economic Research Service

The Effectiveness of Overlapping Pollution Regulation: Evidence from the Ban on Phosphate in Dishwasher Detergent
David A. Keisier, Iowa State University; Alex Cohen, Yale University

Consequences of the Clean Water Act and the Demand for Water Quality
David A. Keisier, Iowa State University; Joseph S. Shapiro, Yale University and National Bureau of Economic Research

1071 Behavioral Economics in Agribusiness
Massachusetts, 5th Floor

Selected Presentation
This session discusses a range of agribusiness issues using behavioral economics concepts.

Moderator: Mazbahul Ahamad, University of Nebraska-Lincoln

Envious Preference in Two-sided Matching Contract
Mazbahul Ahamad, University of Nebraska-Lincoln

Adoption and Abandonment of Conservation Agriculture: The Role of Social Networks and Spouses
Alwin Dsouza, Arizona State University; Ashok K. Mishra, Arizona State University

Asymmetric Effects of Winning and Losing Experience on Bidding Behaviour in Multi-Unit Auctions
Rebecca Eiskamp, University of Guelph

Motivation, Attitude, and Participation in Agricultural Fairs
Ram N. Acharya, New Mexico State University
Concurrent Sessions — Monday, 2:45 - 4:15 PM

1072  New Methods on Food Demand Estimation
       Nantucket, 4th Floor

Selected Presentation
This session examines the demand for a variety of food products, as well as new methods for estimating prediction models.

Moderator: Andrea M. Leschewski, Michigan State University
Ingredient Complexity and the Demand for Convenience Foods
Andrea M. Leschewski, Michigan State University; Dave D. Weatherspoon, Michigan State University; Annemarie Kuhns, USDA-Economic Research Service
Interpreting Results of Demand Estimation from Machine Learning Models
Gareth P. Green, Seattle University
New Evidence on the Structure of Food Demand in China: An EASI Demand Model Estimated via IV-Panel Data Techniques
Vardges Hovhannisyan, University of Wyoming
Octavio Valdez-Lafarga, Arizona State University; Troy G. Schmitz, Arizona State University

1073  Competitiveness in Agricultural and Transportation Markets
       New Hampshire, 5th Floor

Selected Presentation
This session examines the impact and status of agricultural and transportation policies.

Moderator: Sarah Stutzman, Purdue University
On the Demand for Federal Crop Insurance and Subsidy Reforms
Yang Wang, North Carolina State University; Francis Annan, Columbia University in the City of New York
How Do Premium Subsidies Affect Crop Insurance Demand at Different Coverage Levels: The Case of Corn
Jing Yi, Texas A&M University
Rejuvenating Barge Transportation Efficiency on the Mississippi River
Brian Wetzstein, Zen-Noh Grain Corporation; Kenneth A. Foster, Purdue University; Raymond J.G.M. Florax, Purdue University; James K. Binkley, Purdue University; Michael E. Wetzstein, Purdue University; Sarah Stutzman, Purdue University; Sarah Stutzman, Purdue University

1074  Product Information and Food Choices
       Regis, 3rd Floor

Selected Presentation
These papers determine how different types of information provided to consumers impact consumer food choices. Information may be presented on product packaging or directly to consumers

Moderator: Meng Shen, University of Florida
Blue or Red? How Color Affects Consumer Information Processing in Food Choice
Meng Shen, University of Florida; Zhifeng Gao, University of Florida
An Effect of the List of Carcinogenic Food Categories in Consumers’ Feelings of Guilt and Purchase Behavior
Seoyoung Hwang, Seoul National University; Junghoon Moon, Seoul National University
The Challenges of Enhancing Meat Product Information in Traditional Markets: An Alternative Strategy to Observe and Remove Starting-Point Bias
Shang-Ho Yang, National Chung Hsing University; Diogo Souza Monteiro, Newcastle University; Wei-Zeng Chen, National Chung Hsing University
Factors Affecting Consumer Acceptance of Nano-Packaged Food Products
Shuoli Zhao, University of Minnesota; Chengyan Yue, University of Minnesota; Yumeng Wang, Renmin University of China
Concurrent Sessions — Monday, 2:45 - 4:15 PM

1075  Food-Related Consumer Behavior
Salon A, 4th Floor

Selected Presentation
Are consumers satisfied with food policies in South Korea? How do consumers value rice grades in South Korea? What behaviors drive consumers’ store choice decisions in underserved communities in the United States? Are the drivers of food purchasing decisions associated with consumer-level food waste behavior in Canada? This session addresses these questions.

Moderator: Lauren Chenarides, The Pennsylvania State University

Consumers’ Satisfaction with Food Policies: A Case Study of South Korea
Sanghyo Kim, Korea Rural Economic Institute; Seong-Yoon Heo, Korea Rural Economic Institute; Carl R. Zulauf, The Ohio State University; Kyei-Im Lee, Korea Rural Economic Institute

Consumers’ Valuation of Rice Grade Labeling
Young Woon Choi, National Food Safety Information Service; Doo Bong Han, Korea University; Rodolfo M. Nayga, University of Arkansas; Ji Yong Lee, Kansas State University

Store Choice and Consumer Behavior in Food Deserts: An Empirical Application of the Distance Metric Method
Lauren Chenarides, The Pennsylvania State University; Edward C. Jaenicke, The Pennsylvania State University

Determinants of Consumer Food Waste Behaviour: Homo Economics vs. Homo Moralis
Deepananda P. Herath, Agriculture and Agri-Food Canada; Abdel Felfel, Agriculture and Agri-Food Canada

1076  Food Safety and Foodborne Illness
Salon D, 4th Floor

Selected Presentation
Safety is a critical element of any food supply. This session includes four papers that analyze food safety measures and foodborne illness outbreaks.

Moderator: John Bovay, USDA-Economic Research Service

Welfare Effects of the U.S. Food Safety Modernization Act Produce Safety Rule
John Bovay, USDA-Economic Research Service; Peyton M. Ferrier, USDA-Economic Research Service; Chen Zhen, Research Triangle Institute

How Foodborne Illness Outbreaks Impact Tomato Farms
Ioana (Julia) I. Marasteanu, Food and Drug Administration; Travis Minor, Food and Drug Administration

What Drives Media Reporting for Food Safety Events? Evidence from U.S. Meat Recalls
Bhagyashree Katare, Purdue University; Timothy Beatty, University of California, Davis

Foodborne Illness Outbreaks, Collective Reputation, and Voluntary Adoption of Industry-wide Food Safety Protocols by Fruit and Vegetable Growers
Aaron A. Adalja, University of Maryland; Erik Lichtenberg, University of Maryland

1077  Competition and Pricing in Food Retailing
Salon H, 4th Floor

Selected Presentation
This session includes four empirical papers on competition and pricing in food retailing.

Moderator: Sven M. Anders, University of Alberta

Premium Private Labels, Cost-Pass Through and Retail Price Rigidity
Sven M. Anders, University of Alberta; Thomas Bittmann, University of Kiel

Pricing Complementary Products
Timothy J. Richards, Arizona State University; Stephen F. Hamilton, California Polytechnic State University

Impacts from a Retail Grocery Acquisition: Do National and Store Brand Prices Respond Differently?
William Secor, University of Minnesota; Metin Cakir, University of Minnesota
Concurrent Sessions — Monday, 2:45 - 4:15 PM

1078  Agricultural Policy and Growth Issues
Salon I, 4th Floor

Selected Presentation
This session addresses issues related to agricultural policy and agricultural growth in developed and developing countries.

Moderator: Iryna Demko, The Pennsylvania State University

Policy Impacts from U.S. Organic Equivalency with the European Union
Iryna Demko, The Pennsylvania State University; Edward C. Jaenicke, The Pennsylvania State University

Accounting for Farm Heterogeneity in the Assessment of Agricultural Policy Impacts on Structural Change
Legrand D. F. Saint-Cyr, Agrocampus Ouest; Laurent Piet, National de la Recherche Agronomique, UMR SMART

Brazil’s Changing Macroeconomic Conditions: Impacts on Agricultural Growth and Trade
Constanza Valdes, USDA-Economic Research Service; Kim C. Hjort, Economic Analysis Systems

Can Agricultural Growth Explain the Reversal of a Declining Trend in Per Capita Caloric Consumption in India?
Deepthi Elizabeth Kolady, South Dakota State University; Shivendra K. Srivastava, National Centre for Agricultural Economics and Policy Research; Jaspal Singh, National Institute of Agricultural Economics and Policy Research

1079  Nutrition Issues in the Developing World
Salon J, 4th Floor

Selected Presentation
Papers in this session address various aspects of the status and policy of nutrition in less developed countries.

Moderator: Leah EM Bevis, Cornell University

Who Supplies the Nutrients? The Puzzle of Crop Zinc Heterogeneity and Low-Zinc Market Crops in Rural Uganda
Leah EM Bevis, Cornell University

Food Subsidies and Nutritional Status: Evidence from ICRISAT Data
Priya Bhagowalia, Jawaharlal Nehru University; Arjita Chandna, Jawaharlal Nehru University

Inequality in the Distribution of Calories: Evidence from Bangladesh
Anna D’Souza, Baruch College, CUNY; Sharad A. Tandon, USDA-Economic Research Service

Agriculture, Nutrition, and the Green Revolution in Bangladesh
Derek Headey, International Food Policy Research Institute; John Hoddinott, Cornell University

1081  Effect of Weather on Resource Use and Management
Vermont, 5th Floor

Selected Presentation
This session explores the effects of weather stochasticity and spatial heterogeneity on public safety, crop field days, water infrastructure, and water quality trading program design.

Moderator: Seong Do Yun, Yale School of Forestry and Environmental Studies

Days Suitable for Field Work in the U.S. Corn Belt: Climate, Soils and Spatial Heterogeneity
Seong Do Yun, Yale School of Forestry and Environmental Studies

Marzieh Motallebi, Clemson University; Ali Tasdighi, Colorado State University; Dana L. Hoag, Colorado State University; Mazdak Arabi, Colorado State University

Water in the Balance: The Impact of Water Infrastructure on Agricultural Adaptation to Rainfall Shocks in India

An Empirical Analysis of Typhoons and Crime Rates in Taiwan
Chin-Hsien Yu, Southwestern University of Finance & Economics; Jianhong Mu, Oregon State University; Jinxiu Ding, Xiamen University
Concurrent Sessions — Monday, 2:45 - 4:15 PM

1082 Climate Change and Agriculture
Vineyard, 4th Floor

Selected Presentation
Papers in this session analyze climate change impacts and adaptation in agricultural systems.

Moderator: Jianhong Mu, Oregon State University

An Empirical Analysis of Climate Uncertainty and Land-use Change in the U.S. Pacific and Mountain Regions
Jianhong Mu, Oregon State University; Christopher Mihiar, Oregon State University; David Lewis, Oregon State University; Benjamin Sleeter, U.S. Geological Survey; John Abatzoglou, University of Idaho

Can Workfare Programs Support Adaptation to Climate Change? Evidence from Indian Agriculture
Anil K. Bhargava, University of Michigan; Teevrat Garg, London School of Economics; Vis P. Taraz, Smith College

Climate Change and Adaptive Strategies in Agriculture: Assessing the Impacts on Small Farmers in the Brazilian Sertão
Alexandre Gori-Maia, State University of Campinas; Daniele Cesano, Onda Verde Consultancy; Bruno C. B. Miyamoto, State University of Campinas; Patricia Andrade, State University of Campinas; Gabriela Santos Eusebio, State University of Campinas

Water Scarcity, Food Production, and Welfare: an Application of ENVISAGE Model
Iman Haqiqi, Purdue University

1083 Empirical Production Economics
Yarmouth, 4th Floor

Selected Presentation
This session is comprised of papers on production economics topics. The papers discuss carbon offset markets in livestock production, cost efficiency of U.S. electric power plants, the substitution of electricity generation in hydraulic fracturing technology and how crime impacts the efficiency of Mexican States.

Moderator: Albert K. Boaitey, University of Alberta

Optimal Livestock Management for Improved Environmental Outcomes: How Effective are Carbon Offset Markets?
Albert K. Boaitey, University of Alberta; Ellen W. Goddard, University of Alberta

Substitution in Electricity Generation: A State Level Analysis of Structural Change from Hydraulic Fracturing Technology
Levan Elbakidze, West Virginia University; Gulnara Zaynutdinova, West Virginia University

Greenhouse Gas Emissions Effect on Cost Efficiencies of U.S. Electric Power Plants
Melissa Lynes, U.S. Energy Information Administration; Brady E. Brewer, University of Georgia; Allen M. Featherstone, Kansas State University
Concurrent Sessions — Monday, 2:45 - 4:15 PM

**1084 Development Issues in Latin America: Food Security, Health and Female Labor Force, Property Rights, and Agricultural R&D**

*Boyston, 1st Floor*

**Track Session – LAS Section**

The papers presented at this track session provide a mix of novel research ideas in economic development in Latin America and the Caribbean. The first paper estimates the effects of enrollment in a subsidized health care program on food expenditure and food security in Colombia. On health and female labor force, the second paper turns to the relationship between physical and psychological intimate partner violence and job exit in Colombia. The third paper explores the effects of private property rights on agricultural investments and land market transactions among small farmers in Peru. The last paper evaluates the evolving state of investments and returns to research and development (R&D) in the region using newly developed, long-run, country-specific data on investments in food and agricultural R&D as well as data on scientific personnel and on the evidence on economic returns to R&D.

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

**Moderator:** Luis A. Ribera, Texas A&M University

The Impact of Subsidized Health Care on Food Expenditure and Food Security: Estimates for Colombia

*Camilo Bohorquez-Penuela*, University of Minnesota

Intimate Partner Violence and Female Job Exit in Colombia

*Johanna Fajardo-Gonzalez*, University of Minnesota

Collective Property Rights and Agriculture in Peru

*Margarita Gafaro*, Brown University

The Economic Returns to Agricultural R&D in Latin America and The Caribbean: Is There Enough Investment?

*Robert S. Andrade Lopez*, University of Minnesota

**1085 Life on the Tenure-Track: Keys to Strategic Choices Early in your Career**

*Clarendon, 3rd Floor*

**Track Session – GSS and FSN Sections**

As a young faculty member, navigating the road to tenure can be daunting. Being “successful” in the field often hinges on a complex interplay of ill-defined requirements that go far beyond the evaluation of one’s peer-reviewed publication record. Delivering award winning teaching, securing external grant funding, supervising graduate students and servicing external stakeholders are some of the expectations that department chairs and faculty committees may have for young colleagues who are applying for tenure and promotion. However, the weight of different performance categories ranges widely and individual performance criteria may not be easily quantified. This track session brings together early-career and more experienced members of the academic community to provide tips, share experiences, and discuss strategies for success on the tenure track.

**Organizers:** Joshua G. Maples, Oklahoma State University; Christiane Schroeter, California Polytechnic State University

**Moderator:** Joshua G. Maples, Oklahoma State University

Looking at the Hard Facts: Results from a National Survey of Recently-Tenured Faculty

*Christiane Schroeter*, California Polytechnic State University; Sven M. Anders, University of Alberta

What Matters in the Tenure Decision: Perspectives from an External Reviewer

*Dawn D. Thilmany McFadden*, Colorado State University

Balancing Your Life Portfolio: Spousal Hires and Family Additions

*Hikaru Hanawa Peterson*, University of Minnesota

Toolkit for Recent Hires: Advice from a Department Head

*Micahel D. Woods*, Oklahoma State University
Concurrent Sessions — Monday, 2:45 - 4:15 PM

1086  Rejuvenating the Battered Exhausted Abused Teacher (BEAT)

Dartmouth, 3rd Floor

Track Session – SS-AAEA and TLC Sections

The objective is to provide a non-intimidating method for instructors to work toward enhancing instruction as students matriculate through their college education. Solutions to enhancements in learning, motivating, teamwork building, and infrastructure developing are offered in metric form. Prior to developing the solutions, a test is provided to determine the degree an instructor is emotionally exhausted from teaching. If the results indicate some degree of teaching exhaustion, then an instructor may want to consider the solutions offered for rejuvenation, which enhances learning. As an aid toward customizing solutions for each instructor, a student value calculator is employed, which determines uniquely for each instructor areas that will enhance instruction. From this evaluation, a personalized set of five solutions for rejuvenation that add student value is derived. From this customized set of teaching solutions, a physical “Coat of Teaching” is created with paper and markets as a continual reminder of the solutions.

Organizer: Michael E. Wetzstein, Purdue University
Discussant: Elizabeth A. Yeager, Kansas State University
Panelists: Gregory J. Colson, University of Georgia; Aslihan D. Spaulding, Illinois State University
Presenter: Michael E. Wetzstein, Purdue University

1087  The Russian Food Import Ban and the Eurasian Economic Union: Analysis of Trade Impacts

Exeter, 3rd Floor

Track Session – International Section

Resolution 830 of the Russian Federation from August 20, 2014, introduced an import embargo for certain agricultural products originating from the United States, the EU, Canada, Australia, and Norway. Meat, dairy products, fruits, and vegetables were the main targeted categories. On June, 25 2015, Russia announced the extension of the import embargo until August 2016. EU total value of agricultural and food exports were higher in 2015 than in any recent year, since higher exports to other destinations exceeded losses of exports to Russia. However, the incidence of impacts varied greatly across EU member states and in EU neighboring countries. Also there is a broader trade disarray in this region. The goal of this session is to collect analyses from different techniques and sources to provide a basis for discussion of the possible short and longer term impacts of these trade disruptions.

Organizer: William H. Meyers, University of Missouri
Moderator: William H. Meyers, University of Missouri
Discussant: Joseph W. Glauber, International Food Policy Research Institute
Ekaterina Krivonos, Food and Agriculture Organization
Global Economic Impacts of Russian Restrictions on Food Imports
Alla Golub, Purdue University; Badri Narayanan Gopalakrishnan, Purdue University
Trade Diversion and High Food Prices - The Impact of the Russian Pig Meat Import Ban
Linde J. Goetz, Leibniz-Institute for Agricultural Development in Middle and Eastern Europe; Ivan M. Djuric, Leibniz Institute of Agricultural Development in Transition Economies; Thomas Glauben, Leibniz Institute of Agricultural Development in Transition Economies (IAMO)
Concurrent Sessions — Monday, 2:45 - 4:15 PM

1088 What’s in a Label? The Research, Politics and Policy of Genetically Modified Product’s Labeling in the United States
Fairfield, 3rd Floor

Track Session – FSN and FAMPS Sections
The labeling of genetically modified (GM) food continues to be a predominant biotechnology policy issue in the United States. Set to go into effect in July of 2016, Vermont’s mandatory labeling law has been challenged in court by the Grocery Manufacturers Association, and the Federal Government is facing strong lobbying to prohibit state laws regarding GM labels. Public trust, the media, and lobbying dollars all have played a role in the labeling debate. This session presents research related to these three issues and adds a fourth presentation on the legal issues surrounding the policy debate. We hope that the session will engender a lively discussion that addresses the complex issues associated with the labeling of GM foods.

Organizers: Jane M. Kolodinsky, University of Vermont; Trenton Smith, University of Otago (New Zealand)

Moderator: Jill J. McCluskey, Washington State University

Does Consumers’ Trust in Institutions Affect their Attitudes Towards GM Labeling?
Karen E. Lewis, University of Tennessee; Carola Grebitus, Arizona State University

Mediating Effects of the Media on the Informational Cues of GM labels
Jane M. Kolodinsky, University of Vermont; Ben Crosby, University of Vermont

(Mis)-Informed Consumers? Deep Capture and the GM Foods Debate
Trenton Smith, University of Otago (New Zealand)

Legal and Political Issues Surrounding Mandatory Labeling of Products Produced Using GM Ingredients
Todd Daloz, Assistant Attorney General, State of Vermont

1089 Regulation in the Brewing Industry: A Panel Discussion of Brewing Experts
Hyannis, 4th Floor

Track Session – BEER Section
The regulatory environment surrounding the production and distribution of beer is very complex. Often times, producers do not anticipate legal restrictions in brewing and distribution and become caught in a legal quagmire. Furthermore, depending on the location of the brewery, some of the restrictive laws have been in place since prohibition. This track session will focus on a discussion of the legal barriers faced by brewers in the New England area and how they have overcome them to become successful establishments. An industry panel discussion of four brewery owner and operators with a moderator will discuss the legal difficulties with starting and running a successful brewery. The focus will be on the idiosyncrasies of production and distribution regulation beyond the three-tier distribution system.

Organizer: Michael P. McCullough, California Polytechnic State University

Moderator: Richard J. Volpe III, California Polytechnic State University

Panelists: Rob North (Great North Aleworks) and Bryan Greenhagen (Mystic Brewery)
Implications of Recent Empirical Evidence for the Risk-Balancing Hypothesis

Maine, 5th Floor

This session provides a synthesis of new empirical evidence on the risk balancing hypothesis. The papers presented develop new identification strategies to enable casual interpretation out of their empirical analyses and also have theoretical implications. [Du et al.] utilize a natural experiment from China and a regression discontinuity design approach to show that hog farmers are not taking more debt after hog insurance becomes available. However insured farmers are 20% more willing to take debt than uninsured farms, which indicates that hog farmers in China face a credit constraint. At the same time, de Mey and Rao use detailed European agricultural panel data to explore the occurrence and extent of risk balancing behavior in greater depth. Finally, Ifft uses a difference-in-difference strategy to estimate the casual impact of an exogenous farm policy shock on farms’ debt use.

**Organizers:** Jennifer E. Ifft, Cornell University; Liang Lu, University of California, Berkeley

**Moderator:** Liang Lu, University of California, Berkeley

**Discussant:** Stephen C. Gabriel, Farm Credit Administration

Xiaoxue Du, University of California, Berkeley; Calum G. Turvey, Cornell University; Yuehua Zhang, Zhejiang University; David Zilberman, University of California, Berkeley

The 2014 Farm Act and U.S. Farm Debt Structure

Jennifer E. Ifft, Cornell University

Exploring the Extent of Risk Balancing Behavior: Panel Data Evidence from European Agriculture

Yann De Mey, KU Leuven; Xudong Rao, Wageningen University

Climate Risk and Uncertainty

Simmons, 3rd Floor

**Organizers:** Ben Gramig, Purdue University; Matthew G. Interis, Mississippi State University

**Moderator:** Ben Gramig, Purdue University

Robert Stavins, Harvard University

Abrupt Irreversible Climate Events and the Social Cost of Carbon

James H. Stock, Harvard University

Uncertainty in Climate and Crop Yields

John Reilly, M.I.T.
Track Session – AEM Section

The session promotes scholarly rigor in agribusiness research by demonstrating best practices through application. For instance, product terms in logit and probit models of binary choices may be better illustrated graphically, as demonstrated in study of producers’ cash and contract sales. Partial least squares (PLS) offers an alternative to covariance-based structural equation models (SEM) of latent constructs and paths effects when data are non-normal, as in a study of relationships among firms’ slack financial resources and innovation. Social network analysis facilitates understanding of social structures graphically represented by ties—for example, edges, links, and connections—amongst individuals or groups, and is applied here to measure the relatedness of a firm’s patents and its implications for a biotechnology firm’s innovative performance. Finally, when data is unavailable or insufficient, analysis of individual case studies can provide insights into economic phenomena and prove particularly useful for explaining concepts in the classroom.

Organizer: Jason Franken, Western Illinois University
Moderator: Joost M. E. Pennings, Maastricht University

Graphical Illustration of Interaction Effects in Binary Choice Models

Joost M. E. Pennings, Maastricht University; Jason Franken, Western Illinois University

Slack Financial Resources and Firm Level Innovation: An Application of PLS-SEM

Eric T. Micheels, University of Saskatchewan; Omid Mirzaei, University of Saskatchewan


Desmond W. Ng, Texas A&M University; Leonardo Sanchez, Littoral Polytechnic School

The Role of Research Cases in Teaching Environments

Michael L. Cook, University of Missouri

Track Session – Africa and International Sections

Agricultural transformation involves a rise in productivity, market specialization and input use on farms with an associated shift in resources towards urban nonfarm activity. This session will present new work on how these changes are unfolding now, in Africa and other frontier regions where the transformation has both similarities and differences from the earlier experience of other regions.

James Oehmke and co-authors will begin on moving from classical and neoclassical models of transformation to a contemporary model that focuses on rural employment, small towns and agribusinesses. Then trace the transformation of agricultural input industries in a paper from Carl Pray and co-authors, the transformation of value chains for farm outputs from Chuck Moss and Dave Weatherspoon, and the impacts of these changes on human nutrition from Will Masters.

Organizer: William A. Masters, Tufts University

Contemporary African Agricultural Transformation

James F. Oehmke, USAID; Carl E. Pray, Rutgers University; Anwar Naseem, Rutgers University; Latha Nagarajan, Rutgers University; Jock R. Anderson, World Bank; Lori A. Post, Yale University

Review of Agricultural Inputs Supply Policies in Contemporary Agricultural Transformation in Africa

Carl E. Pray, Rutgers University; Latha Nagarajan, Rutgers University; Greg Traxler, Evans School of Public Policy & Governance, University of Washington; Anwar Naseem, Rutgers University; David Gisselquist, IFDC

Household Production and Dietary Diversity: Implications for Supply Chain Development

Dave D. Weatherspoon, Michigan State University; Charles B. Moss, University of Florida

Agricultural Transformation and Human Nutrition: What Has Changed?

William A. Masters, Tufts University
Extension Educational Efforts and the 2014 Farm Bill  
Wellesley, 3rd Floor  

**Track Session – Extension Section**  
This symposium highlights the educational efforts of extension to inform producer and landowner decisions regarding the 2014 Farm Bill commodity title programs. Topics covered in the symposium include educational tools and strategies employed by various universities, impacts of outreach activities on sign-up decisions and other outcomes, and a discussion of expected efforts required in coming years regarding farm income safety net programs.  

**Organizer:** Mykel R. Taylor, Kansas State University  
**Moderator:** Bradley D. Lubben, University of Nebraska-Lincoln  
**Panelists:** Glenn A. Barnaby Jr., Kansas State University; Joe L. Outlaw, Texas A&M University; Gary D. Schnitkey, University of Illinois  

The 2014 Farm Bill Commodity Title Programs  
**Bradley D. Lubben,** University of Nebraska-Lincoln  
Summary of National Survey of Producers and Extension Educators on use of Farm Bill Decision Aids  
**Brenna Ellison,** University of Illinois at Urbana-Champaign; Nicholas D. Paulson, University of Illinois at Urbana-Champaign  
Results from Survey of Kansas Producers and Landowners on Farm Bill Sign-Up Decisions  
**Mykel R. Taylor,** Kansas State University
Concurrent Sessions — Monday, 4:30 - 6:00 PM

1095 Strategic Decision Making in Agribusiness
Massachusetts, 5th Floor

Case Studies
This session includes three decision cases showing how the application of economic concepts and tools may inform the public or private sectors in making better decisions. The first case provides alternative investment options in a corn-ethanol plant to be analyzed with the real options approach using panel data. The second case considers innovation in the food sector and how economic value can be created in a dynamic market environment. The third case involves the entry of a mid-size firm in the growing Chinese food market and allows students to formalize strategic decisions in a business to business situation.

Moderator: William Secor, University of Minnesota

Ethanol Plant Investment: A Real Options Case Study
William Secor, University of Minnesota; Michael A. Boland, University of Minnesota

Local and Regional Organic Small Grains in the Northeast: Articulation of a Value
Brian P. Baker, Self-Employed

Following the Giant to an Emerging Market: Bama China
Hong Holly Wang, Purdue University; Yi-An Li, Purdue University

1096 Agricultural Economics as a Behavioral Discipline
Arlington, 3rd Floor

Organized Symposium
Agricultural economics has a strong behavioral element throughout its history. This session identifies these elements and proposes how they can influence future research in agricultural and general economics. Topics include: (i) elements of behavioral economics in research of agricultural production, technology and risk; (ii) behavioral economics and food economics and policy; (iii) the role of behavioral economics, and in particular social capital, in explaining patterns of trade and (iv) the role of behavioral economics, and in particular self-efficacy, in explaining technology adoption in developing countries. Each presentation will run 15 minutes, followed by 15 minutes of Q&A.

Organizer: David Zilberman, University of California, Berkeley

Panelists: David R. Just, Cornell University; Lindon J. Robison, Michigan State University; David Wuepper, Technical University Munich; David Zilberman, University of California, Berkeley

Behavioral Elements in the Study of Agricultural Technology and Risk
David Zilberman, University of California, Berkeley

The Average Consumer Misses the Mark: Behavioral Approaches to Fine Tuning Food Policy
David R. Just, Cornell University

Resolving Exchange Anomalies by Accounting for Relational Goods
Lindon J. Robison, Michigan State University; Jeffrey R. Oliver, Michigan State University

Self-Efficacy, Economic Behavior, and Agricultural Economics
David Wuepper, Technical University Munich
Concurrent Sessions — Monday, 4:30 - 6:00 PM

**1098  Food and Agricultural Policy Analysis**  
*Salon B, 4th Floor*

**Selected Presentation – Lightning Session**
This session includes presentations highlighting key findings in a range of topics related to food and agricultural policy analysis.

**Moderator:** Kolawole Ogundari, University of Delaware

Are Agricultural R&D Returns Declining and Development Dependent?  
**Xudong Rao**, Wageningen University; Terrance M. Hurley, University of Minnesota; Philip G. Pardey, University of Minnesota

On the Relations Between Nutrition and Economic Growth: Evidence from Sub-Saharan Africa  
**Kolawole Ogundari**, University of Delaware; Adebayo B. Aromolaran, Adekunle Ajasin University

What Drives India’s Rice Stocks? Empirical Evidence  
**Jan Brockhaus**, Center for Development Research, University of Bonn; Matthias Kalkuhl, University of Bonn; Marta Kozicka, Center for Development Research, University of Bonn

An Evaluation of the 2015 Outbreak of Avian Influenza in the United States.  
James W. Richardson, Texas A&M University; Aleksandre Maisashvili, Texas A&M University; **Lei Gao**

The Effects of American Diets on Food System Energy Use  
**Sarah Rehkamp**, USDA-Economic Research Service; Patrick N. Canning, USDA-Economic Research Service

Adaptations to Achieve Future Sustainable Irrigation  
**Jing Liu**, Purdue University; Thomas W. Hertel, Purdue University; Urs Lantz C. Baldos, Purdue University; Richard Lammers, University of New Hampshire; Alexander Prusevich, University of New Hampshire

Foreign Guest Workers or Domestic Workers? Farm Labor Decisions and Implications  
**Feng Wu**, University of Florida; Zhengfei Guan, University of Florida

**1099  Response to Concerns about Climate**  
*Salon C, 4th Floor*

**Selected Presentation – Lightning Session**
This lightning session presents papers about current and projected responses to climate change.

**Moderator:** Kevin Meyer, Iowa State University

Climate Change and Agriculture: the Role of Tile Drainage  
**Kevin Meyer**, Iowa State University; David A. Keisier, Iowa State University

Global Land Use Changes due to the U.S. Cellulosic Biofuel Program  
**Xin Zhao**, Purdue University; Wallace E. Tyner, Purdue University

Flexible-Fuel Automobiles and CO2 Emissions in Brazil: a Semiparametric Analysis using Panel Data  
**Alexandre N. Almeida**, University of Sao Paulo; Alexandre Amorin, University of Sao Paulo; Tiago Diniz, University of Sao Paulo; Leandro Gilio, University of Sao Paulo; Vinicius Halmenschlager, University of Sao Paulo; Augusto Santos, University of Sao Paulo

Valuation of Water-Related Ecosystem Services Under Climate Change: The Case of Chaparral Landscapes in National Forests  
**Lorie Srivastava**, University of California, Davis; Cloe Garnache, Michigan State University; Frank Lupi, Michigan State University; Michael S. Hand, U.S. Forest Service

Welfare Analysis for Climate Risk Reductions: Are Current Treatments of Outcome Uncertainty Sufficient?  
**Christos Makriyannis**, Clark University; Robert J. Johnston, Clark University

Assessing Climate Vulnerability of Agricultural Systems Using High-order Moments: A Case Study in the U.S. Pacific Northwest  
**Hongliang Zhang**, Oregon State University; John M. Antle, Oregon State University

Are U.S. Farmers Expecting Imminent Impacts from Climate Change? Evidence from Weather Shocks on the Farmland Market  
**Matthew L. Utterback**, Cornell University

Few and Not So Far Between: A Meta-Analysis of Climate Damage Estimates  
**Peter H. Howard**, Institute for Policy Integrity; Thomas Sterner, University of Gothenburg
Concurrent Sessions — Monday, 4:30 - 6:00 PM

1100  Rural Economic Growth and Human Capital Accumulation
      Columbus 1, 1st Floor

Selected Presentation
This session explores a series of factors affecting human capital accumulation, rural economic growth and local governance in developing countries.

Moderator: Teevrat Garg, London School of Economics

Pro-Poor Growth in Rural Bangladesh: On the Role of Schooling, Microfinance and Connectivity
Md Mansur Ahmed, North Carolina State University; Madhur Gautam, World Bank

Intergenerational Effects of Childhood Shocks on Human Capital: Evidence from Ethiopia
Kibrom Tafere, Cornell University

The Role of Local Governments in Preserving the Commons: Theory and Evidence from Indonesia
Stefania Lovo, London School of Economics; Caterina Gennaioli, London School of Economics; Teevrat Garg, London School of Economics

1101  Impacts of Biofuels
      Harvard, 3rd Floor

Selected Presentation
This session focuses on the market for and trade of biofuels and their impacts on food security. Presentations address these issues at the state and country level.

Moderator: Luis M. Pena-Levano, Purdue University

The Causes of Two-Way U.S.-Brazil Ethanol Trade and the Consequences for Greenhouse Gas Emissions
Deepayan Debnath, Food and Agricultural Policy Research Institute, University of Missouri; Jarrett Whistance, University of Missouri; Wyatt Thompson, University of Missouri

Sensitivity of Miscanthus Supply: Application of Faustmann’s Rule in Deterministic and Stochastic Cases
Nosra Ben Fradj, Institut National de la Recherche Agronomique; Pierre-Alain Jayet, Institut National de la Recherche Agronomique

The Dark Side of Biofuels on Emissions and Food Security: Economic and Environmental Effects of the European Biofuel Policy in the Global Economy
Luis M. Pena-Levano, Purdue University; Michele Rasetti, Università Politecnica delle Marche; Grace Rocio Melo, University of Georgia; Verena Mecklenbrauck, Purdue University; Rodrigo Vasquez-Panizza, Purdue University; Adenola O. Osinubi, The University of Georgia
Concurrent Sessions — Monday, 4:30 - 6:00 PM

1102  Land and Water Management and the Environment

Selected Presentation
The papers in this session address factors which influence on-farm management decisions and the influence of those practices on the environment.

Moderator: Krishna P. Paudel, Louisiana State University

Mapping, Valuing and Maximizing the Nutrient Retention Return on Investment in Forest Conservation: The Case of the Classified Forest and Wildlands Program in Indiana
Shadi S. Atallah, University of New Hampshire; Yangyang Wang, Purdue University; Guofan Shao, Purdue University

A Hydro-Economic Model to Analyze the Allocation of Agricultural Water in the Tennessee Basin
Lixia He, University of Tennessee; Christopher D. Clark, University of Tennessee; Dayton M. Lambert, University of Tennessee; Jamey Menard, University of Tennessee; Burton C. English, University of Tennessee; Stephanie Owen, University of Tennessee

Spatial Relationships Between Nutrient Loading in Watersheds and Socio-Economic Factors: An Analysis with Geographically Weighted Lasso Regression
Santosh Neupane, University of Tennessee, Knoxville; Christopher D. Clark, University of Tennessee; Dayton M. Lambert, University of Tennessee

Community Supported Agriculture and Preferences for Risk and Fairness
Kévin Bernard, Institut National de la Recherche Agronomique; Aurélie Bonein, Center for Research in Economics and Management; Douadia Bougherara, Institut National de la Recherche Agronomique

1103  Food Policies and Healthy Food Choices

Selected Presentation
With obesity becoming an increasingly chronic public health problem, more government policies have been geared toward affecting dietary choices and access to healthy foods. Papers in these session examine several food related policies.

Moderator: Adelaide Fadhuile, Université Grenoble Alpes - Institut National de la Recherche Agronomique

Hunger for Meat: Can Animal Protein-Based Taxation Reverse the Trend?
Adelaide Fadhuile, Université Grenoble Alpes - Institut National de la Recherche Agronomique; France Caillavet, Institut National de la Recherche Agronomique; Veronique Nichele, Institut National de la Recherche Agronomique

An Economic Analysis of Beverage-Size Restrictions
Brian A. Bourquard, Purdue University; Steven Y. Wu, Purdue University

The Effect of Subsidizing Supermarkets to Enter Food Deserts on Welfare
Linlin Fan, University of Illinois at Urbana-Champaign

Neighborhoods’ Food Environments Revisited: Food Deserts or Food Swamps?
Haoluan Wang, University of Alberta; Feng Qiu, University of Alberta

1104  Demand Model Specification

Selected Presentation
This session examines the impact and status of agricultural and transportation policies.

Moderator: Vahé Heboyan, Augusta University

Cigarette Price Elasticity of Demand for Young Adults in the United States: An Application of Panel Quantile Regression Analysis
Vahé Heboyan, Augusta University; Vardges Hovhannisyan, University of Wyoming

Carbon Tax Incidence and Household Energy Demand in the U.S.
Jun Zhang, University of Maryland

A Global Demand Analysis of Vegetable Oils for Food and Industrial Use: A Cross-Country Panel Data Analysis
Yasutomo Kojima, Cornell University; Joe L. Parcell, University of Missouri; Jewelwayne S. Cain, University of Missouri
Concurrent Sessions — Monday, 4:30 - 6:00 PM

1105  The Demand for Eco-Labeled and Local Products
Regis, 3rd Floor

Selected Presentation
These papers investigate the characteristics of consumers of local or eco-labeled products. Consumer perceptions, estimates of the demand, and impact of consumption for these products are analyzed. Ideas for how to improve the marketing of these products are described as well.

Moderator: Michael Vassalos, Clemson University

Who are the Community Supported Agriculture (CSA) Consumers and How to Promote CSA to More Consumers?
Michael Vassalos, Clemson University; Zhifeng Gao, University of Florida; Lisha Zhang, University of Florida

Consumer Perception of Local Grown Produce and Causal Factors in the Southeastern States
Xuanli Liu, Fort Valley State University; Mohammed Ibrahim, Fort Valley State University; Nalini Pattanaik, Fort Valley State University

The Effects of Emotion on Consumers’ WTP for Eco-Labeled Fresh Produce
Xuqi Chen, University of Florida; Zhifeng Gao, University of Florida

Potential Demand for Local Fresh Produce by Mobile Markets
Lydia Zepeda, University of Wisconsin; Anna Reznickova, University of Wisconsin

1106  The Effect of Climate Uncertainties on Agriculture
Salon A, 4th Floor

Selected Presentation
The papers in this session explore the interaction between the climate and agriculture. Specifically, how does the climate affect agriculture and how does agricultural production affect climate change?

Moderator: Sunil Dhoubhadel, Fort Hays State University

Cost of Risk Exposure, Farm Disinvestment and Adaptation with Climate Uncertainties: The Case of Arable Farms in the EU
Habtamu Y. Ayenev, Technical University of Munich; Johannes Sauer, Technical University of Munich; Getachew Abate Kassa, Technical University of Munich

Livestock Demand, Global Land Use, and Greenhouse Gas Emissions
Sunil Dhoubhadel, Fort Hays State University; Farzad Taheripour, Purdue University; Matthew C. Stockton, University of Nebraska-Lincoln

Agricultural R&D Policy Under Climate and Economic Uncertainty
Alla Golub, Purdue University; Yongyang Cai, Hoover Institution, Stanford University; Thomas W. Hertel, Purdue University; Kenneth L. Judd, Hoover Institution, Stanford University

Climate Change and Rice Self-Sufficiency Policy: Exploring Adaptation Strategy through Agricultural Policy Reform in the Philippines
Angga Pradesha, International Food Policy Research Institute

1107  Factors Impacting Healthy Food Choice
Salon D, 4th Floor

Selected Presentation
Several factors may impair individuals from choosing healthy food options. This session examines product attributes ranging from taste to brand to examine if they impact healthy choices.

Moderator: Derek Headey, International Food Policy Research Institute

Is Exposure to Animal Feces Harmful to Child Nutrition and Health? A Multi-Country Observational Analysis
Derek Headey, International Food Policy Research Institute; Nguyen Phuong, International Food Policy Research Institute

Does Taste Trump Health? Effects of Nutritional Characteristics on Brand-Level Demand for Chips in the U.S.
Matthias Staudigel, University of Alberta; Sven M. Anders, University of Alberta

Children’s Purchase Behavior in the Snack Market: Can Branding or Low Price Motivate a Healthy Choice?
Monika Hartmann, University of Bonn; Sean B. Cash, Tufts University; Ching-Hua Yeh; Stefanie C. Landwehr, Rheinische
Concurrent Sessions — Monday, 4:30 - 6:00 PM

Friedrich-Wilhelms-Universität Bonn; Anna R. McAlister, Endicott College

1108 The U.S. Biofuel Policy and the Challenges of Biomass Feedstock Supply

Selected Presentation
The papers in this session empirically and theoretically address various issues related to biofuels production and policy.

Moderator: Alicia Rosburg, University of Northern Iowa

Opportunity Costs, Supply Chain Logistics and Carbon Balances of Advanced Biofuel Production
Aaron V. De Laporte, North Dakota State University

Mitigating Feedstock Supply Risk in Corn Stover Biofuel Production
Alicia Rosburg, University of Northern Iowa; John A. Miranowski, Iowa State University; Jonathan McFadden, USDA-Economic Research Service

Spatial Competition and Welfare-Ranking of Biofuel Policies
Juan Pablo Sesmero, Purdue University; Joseph V. Balagtas, Purdue University

1109 Emissions Policies

Selected Presentation
Papers on this session examine the role of regulations, technology transfer and firm's organizational structure on emissions.

Moderator: Jesus Barreiro-Hurle, European Commission DG Joint Research Centre

Can Technology Transfer Avoid Emission Leakage from Unilateral Mitigation Targets in Agriculture?
Jesus Barreiro-Hurle, European Commission DG Joint Research Centre; Ignacio Perez Dominguez, European Commission; Torbjorn Jansson, Swedish University of Agricultural Science; Thomas Fellman, European Commission; Franz Weiss, European Commission

Emissions Leakage: A U.S. Multi-plant Firms’ Perspective
Yongjie Ji, Iowa State University and Center for Agricultural and Rural Development; Jingbo Cui, Wuhan University

ISO-14001 Standard and Firms’ Environmental Performance: Testing Cost vs. Benefit Effects
Mehdi Nemati, University of Kentucky; Yuqing Zheng, University of Kentucky; Wuyang Hu, University of Kentucky

Intra-Firm Diffusion of Pollution Prevention Technologies: The Role of Organization Structure
Lifan Qian, University of Florida; Xiang Bi, University of Florida

1110 Migration Causes and Consequences

Selected Presentation
Papers presented in this session investigate the causes and implications of migration in Kyrgyzstan, Tanzania, Mali, and China.

Moderator: Elizabeth R. Bageant, Cornell University

Migration and Subjective Well Being of Left behind Household Members: Evidence from Kyrgyzstan
Elizabeth R. Bageant, Cornell University; Yanyan Liu, International Food Policy Research Institute; Kamiljon Akramov, International Food Policy Research Institute

Intra-Rural Migration in Tanzania and Mechanisms of Welfare Change
Ayala Y. Wineman, Michigan State University; Thomas S. Jayne, Michigan State University

The Causes of Agricultural Migration: A Natural Experiment in Southern Mali
Zachary Barnett-Howell, University of Wisconsin; Jeremy D. Foltz, University of Wisconsin

Driving Factors of Rural-Urban Migration in China
Grace Rocio Melo, University of Georgia; Glenn C. W. Ames, University of Georgia
Concurrent Sessions — Monday, 4:30 - 6:00 PM

1111   Direct Investment and Agricultural Trade  
Salon K, 4th Floor

Selected Presentation
Foreign direct investment is becoming increasingly important in the agribusiness sector. These papers investigate foreign direct investment decisions made in a variety of agricultural contexts.

**Moderator:** Ivan T. Kandilov, North Carolina State University

Foreign Direct Investment and Trade in the U.S. Food Processing Industry: Complements or Substitutes?  
Victor O. Ajaero, South Dakota State University; **Evert Van Der Sluis**, South Dakota State University

Similarity in Aggregated Preferences and Foreign Direct Investment in the Food Industry  
**Sandro Steinbach**, ETH Zurich

Strategic Acquisitions: Determinants of Chinese Outward Direct Investment in Agrifood Industry  
**Ivan T. Kandilov**, North Carolina State University; Kathryn A. Boys, North Carolina State University

1112   Risk and Uncertainty in the Energy Market  
St. Botolph, 2nd Floor

Selected Presentation
This session addresses several dimensions of risk and uncertainty applied to energy markets. The papers address topics such as downside risk, option value analysis and market entry related to ethanol mandate, biofuel investment, perennial energy production and the natural gas market.

**Moderator:** Rebecca J. Davis, University of Tennessee

The Ethanol Mandate and Downside Risk in Agriculture  
Levi A. Russell, Texas A&M University; Michael R. Langemeier, Purdue University; Jon T. Biermacher, The Samuel Roberts Noble Foundation, Inc.; **Gregory A. Ibendahl**, Kansas State University

Examining the Effects of Uncertainty on Second-Generation Biofuel Investment by Using a Two Stochastic Process Approach  
**Evan L. Markel**, University of Tennessee; Charles Sims, University of Tennessee

Contracting Arrangements for Perennial Energy Crops  
**Tanner McCarty**, Purdue University; Juan Pablo Sesmero, Purdue University; Ben Gramig, Purdue University

To Frack or Not to Frack: Option Value Analysis on the U.S. Natural Gas Market  
**Rebecca J. Davis**, University of Tennessee; Charles Sims, University of Tennessee

1113   Domestic Rural Policy  
Suffolk, 3rd Floor

Selected Presentation
This session addresses policy components of U.S. rural development, including local and federal government programs. Policy areas discussed include education, housing, and disaster management.

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

School Quality and the Location and Expansion of Rural Manufacturers  
**Alexander W. Marre**, USDA-Economic Research Service; Anil Rupasingha, USDA-Economic Research Service

Are Rural Areas Underserved by Federal Housing Assistance Programs?  
Paul E. McNamara, University of Illinois at Urbana-Champaign; **Han Bum Lee**, University of Illinois at Urbana-Champaign

Using System Dynamics for Disaster Debris Management in a Changing Policy Environment  
**Alejandra R. Breve Ferrari**, Louisiana State University; J. Matthew Fannin, Louisiana State University
**Concurrent Sessions — Monday, 4:30 - 6:00 PM**

**1114**  **Behavioral Insights on Brand and Food Purchase Decisions**  
*Tremont, 1st Floor*

**Selected Presentation**  
This set of papers addresses internal and external factors that influence consumers' choice of brands and food purchase decisions.  

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

**The Effects of Self-Control on Subsequent Purchasing Decisions.**  
*Marco A. Palma*, Texas A&M University; Michelle Stefania Segovia Coronel, Texas A&M University; Bachir Kassas, Texas A&M University; Luis A. Ribera, Texas A&M University; Charles Hall, Texas A&M University

**Changes in Food Choices after Tray Removal in a University Dining Hall**  
*Janani Rajbhandari Thapa*, University of Georgia; Kristina Lewis, Wake Forest University; Katherine Ingerson, University of Georgia

**The Consumer Paradox: Why Bottom-Tier Consumers Are Loyal To Brand Names**  
*Simba Pasirayi*, Arizona State University; Andrea Morales, Arizona State University; Carola Grebitus, Arizona State University

**Buy Locally? Big-Box Stores and Time-Inconsistent Preferences**  
*Lindsey K. Novak*, University of Minnesota

**1115**  **Spanning the Field: Investment, Insurance, Production Decisions, and Returns to Applied Research**  
*Vermont, 5th Floor*

**Selected Presentation**  
This session covers four exciting aspects of agricultural economics: Midwest corn-ethanol, crop choice, measurement of weather variables, and the quality and quantity incentives in our profession.  

**Moderator:** John K. Gibson, University of Waikato

**Dynamic Modeling of Bundled Tillage-Crop Choices: Impact of Soil Erodibility on the Interactions Between Continuous Conservation Tillage and Crop Rotations in Iowa**  
*Dat Q. Tran*, North Carolina A&T State University; Lyubov A. Kurkalova, North Carolina A&T State University

**Are Returns to Research Quality Lower in Agricultural Economics than in Economics?**  
*John K. Gibson*, University of Waikato; Ethan Burton-McKenzie, University of Waikato

**1116**  **Precision Agriculture**  
*Yarmouth, 4th Floor*

**Selected Presentation**  
This session is comprised of four papers analyzing precision agriculture. These papers vary from estimating site-specific yield response functions to adoption of automated technologies.  

**Moderator:** Xiaofei Li, Mississippi State University

**Estimating Site-Specific Crop Yield Response using Varying Coefficient Models**  
*Xiaofei Li*, Mississippi State University; Keith H. Coble, Mississippi State University; Jesse B. Tack, Mississippi State University; Barry J. Barnett, Mississippi State University

**Factors Influencing the Adoption of Automatic Section Control Technologies and GPS Guidance Systems in Cotton Production**  
Brittani Edge, University of Tennessee; *Margarita M. Velandia*, University of Tennessee; Roland K. Roberts, University of Tennessee; Dayton M. Lambert, University of Tennessee; James A. Larson, University of Tennessee; Christopher N. Boyer, University of Tennessee; Burton C. English, University of Tennessee; *Margarita M. Velandia*, University of Tennessee; Roderick M. Rejesus, North Carolina State University; Larry Falconer, Mississippi State University

**An Assessment of the Site-Specific Nutrient Management for Irrigated Rice in Asia**  
*Divina Gracia P. Rodriguez*, Norwegian Institute of Bioeconomy Research

**The Impact of Perceptions of Future Profitability on Precision Technology Adoption: An Application of Averting-decision Behavior**  
*Doris Sande*, North Carolina State University; Roderick M. Rejesus, North Carolina State University; Michele C. Marra, North Carolina State University; Roland K. Roberts, University of Tennessee; James A. Larson, University of Tennessee; Margarita M. Velandia, University of Tennessee
Concurrent Sessions — Monday, 4:30 - 6:00 PM

1117 The Role of Regulation in the Agricultural Sector: The Case of Plant and Animal Diseases
Berkeley, 3rd Floor

Track Session – COSBAE Section
Plant and animal disease impose costs on society, and market mechanisms alone are not well suited to address these types of problem. Thus, there is a role for government. The U.S. government, USDA, and other agencies, perform a variety of functions with respect to plant and animal diseases. The regulatory process defines the scope of the functions. USDA import programs safeguard U.S. agriculture and natural resources from the risks associated with the entry, establishment, or spread of animal and plant pests and noxious weeds. USDA responds to new introductions of plant and animal pests and diseases to eradicate, or contain them in cooperation with states. Plant and animal health experts work closely with other federal agencies, states, foreign governments, industry and professional groups to enhance international trade and cooperation while preventing the introduction of dangerous and costly pests and diseases.

Organizers: Blondel A. Brinkman, USDA-Animal and Plant Health Inspection Service; Christopher Klocok, U.S. Department of Agriculture
Moderator: Blondel A. Brinkman, USDA-Animal and Plant Health Inspection Service
Presenter: Kelly A. Grogan from University of Florida

Academic Perspective on Regulations
Clare A. Narrod, University of Maryland

Government Role in the Regulatory Process
Linda Abbott, USDA-Office of the Chief Economist, Office of Risk Assessment and Cost-Benefit Analysis

1118 Malthus vs. Ricardo Redux: How Much Food and Farmland in 2050?
Clarendon, 3rd Floor

Track Session - International Section and IATRC
What will be the environmental cost of feeding nine-plus billion people in 2050? In light of current and anticipated adverse climate impacts, concerns have also been raised about the long run trajectory of food prices. Given the importance of these issues, the wide range of projections of growth in global crop output and land use from 2005 to 2050 is disturbing. What is behind these divergent estimates for output growth and land use? How do they relate to underlying uncertainty in the drivers of global change and economic elasticities? What can the profession do to narrow the ‘error bars’ associated with these long run projections for the global agricultural economy? This session gathers leading experts from around the world to shed light on these questions and to chart the way forward for future agricultural economics research on this topic.

Organizers: Thomas W. Hertel, Purdue University; Dominique Van Der Mensbrugghe, Purdue University
Moderator: Alexander F. McCalla, University of California, Davis
Discussants: Josef Georg Schmidhuber, Deputy Director, Markets and Trade Division, FAO; Frank Van Tongeren, Organization for Economic Cooperation and Development
Predicting Long Term Food Demand, Cropland Use and Prices
Thomas W. Hertel, Purdue University; Uris Lantz C. Baldos, Purdue University; Dominique Van Der Mensbrugghe, Purdue University

Livestock in the Global Economy: Implications for Land Use and Agricultural Production

Long Run Agricultural Projections within a General Equilibrium Context
Marijke Kuiper, LEI-Wageningen University; Hans Van Meijl, LEI-Wageningen University

2016 AAEA Annual Meeting Program
Track Session – FSN and FAMPS Sections – Lightning Session

The U.S. Dietary Guidelines for Americans provide evidence-based nutrition guidance for Americans who wish to consume a healthy diet. They are the cornerstone of Federal nutrition policies and nutrition education. Scanner data provide a detailed look at what consumers purchase, but the nutrition information included is not sufficient to judge whether Americans are adhering to dietary guidance. USDA-ERS is developing a link between the Information Resources Inc. scanner data and USDA’s extensive nutrition databases. When this project is complete, researchers will be able to both measure how individual products in the IRI data line up with dietary recommendations, and estimate local prices for foods reported consumed in National Health and Nutrition Examination Survey (NHANES).

This session will provide an overview for researchers who wish to use this new set of links. We will discuss how the links were created, how they were verified, and present some new findings on the healthfulness of ready-to-eat products. We will also discuss other potential uses of these data and how researchers can gain access.

Organizer: Andrea C. Carlson, USDA-Economic Research Service
Moderator: Abigail M. Okrent, USDA-Economic Research Service

Limitations of Using Nutrition Facts Panel Information for Nutrition Research
Ilya M. Rahkovsky, USDA-Economic Research Service

Nuts and Bolts of How the Links are Established and Why Links are Not Enough

Quality Control: Is the Product Dictionary Clean Enough to Use for This Project?
Megan D. Sweitzer, USDA-Economic Research Service

Eating Out of the Box—How Healthy Is It?
Elina T. Page, USDA-Economic Research Service; Andrea C. Carlson, USDA-Economic Research Service; Ilya M. Rahkovsky, USDA-Economic Research Service

Linking IRI data with Nutrition and Price Information
Xiaowei Cai, California Polytechnic State University; Christiane Schroeter, California Polytechnic State University; Richard Volpe, California Polytechnic State University; Lisa Mancino, USDA – Economic Research Service

Estimating the Effects of Food Prices and Access on Diet Quality in a Complete System of Food-at-home Demand
Chen Zhen, University of Georgia; Biing-Hwan Lin, USDA – Economic Research Service; Abigail Okrent, USDA – Economic Research Service; Shawn Karns, RTI; David Chrest, RTI

Changes in Food Retail Market Structure and Household Produce Purchases
Christiane Schroeter, California Polytechnic State University; Xiaowei Cai, California Polytechnic State University; Richard Volpe, California Polytechnic State University; Lisa Mancino, USDA – Economic Research Service
Concurrent Sessions — Monday, 4:30 - 6:00 PM

1120  Under the Influence of Others: Jealousy, Risk-Sharing, and Learning
       Exeter, 3rd Floor

Track Session – International and IBES Sections
The influence of social norms, emotion, altruism and other non-standard preferences is increasingly studied in the context of both developed and developing countries. The importance of societal influences, risk sharing, and learning are especially important in poor countries due to market imperfections such as imperfect insurance and savings markets, and imperfect information. In the presence of market failures, humans are likely to be even more social animals than in other contexts, and insights from behavioral economics offer alternative ways of explaining why decision-makers sometimes act in contradiction with standard models of homo economicus. This session is motivated by a belief that understanding the various departures from the standard model of homo economicus can help improve the design of anti-poverty programs and policies.

Organizer: Emilia Tjernström, University of Wisconsin

Discussant: Cynthia G. Kinnan, Northwestern University

Signals, Similarity and Seeds: Social Learning in the Presence of Imperfect Information and Heterogeneity
Emilia Tjernström, University of Wisconsin

Catching Up or Pulling Down? Motivations for Destructive Actions Among Dairy Farmers in Bolivia
Eliana Zeballos, University of California, Davis

Does Financial Inclusion Exclude? The Effect of Access to Savings on Informal Risk-Sharing in Kenya
Felipe Dizon, University of California, Davis

1121  What’s Next? Tips on Securing a Job with an Agricultural or Applied Economics Degree
       Fairfield, 3rd Floor

Track Session – GSS Section
Graduate students rightfully focus much of their attention on obtaining their degree. But the true end goal is to land a job for which that degree qualifies them. This session will step out of the coursework and research arena and present an inside look at the hiring process for Agricultural Economists. Attendees will learn from professionals in academia and industry and will gain valuable information to help navigate the job market. This session will be beneficial to anyone seeking to become a better job market candidate.

Organizers: Joshua G. Maples, Oklahoma State University; Clinton L. Neill, Oklahoma State University

Moderator: Clinton L. Neill, Oklahoma State University

Looking Back: Advice from a Recent Hire
Brady E. Brewer, University of Georgia

Another Path: Interviewing at the AAEA (ASSA) Meetings
Ariel Ortiz-Bobea, Cornell University

Looking in: An Industry Perspective
Mathew Salois, University of Florida

Tips from the Top: Insight from a Department Head
Paul N. Ellinger, University of Illinois at Urbana-Champaign
Concurrent Sessions — Monday, 4:30 - 6:00 PM

1122  Consumer Preference for Food and Food Technology in China: Willingness to Pay and Willingness to Accept for Food Attributes Related to Perceived Risks, Credence Quality, Animal Welfare and Eco-Friendly
New Hampshire, 5th Floor

Track Session – China Section - Lightning Session

Food safety concern has been a top agenda in China for many years and it is still growing. Meanwhile, it has attracted attentions of policy makers and economists inside and outside of China. There is a growing body of research exploring consumers’ willingness to pay (WTP) and willingness to accept (WTA) to consume safer agricultural products, for eco-friendly, for credence quality attribute, for perceived risk and information exposure, etc. Others study the effectiveness of the implementation of various monitoring mechanisms on food suppliers’ behaviors toward food safety, such as food additives and food technologies. More research methods are evolving to better estimate the WTPs and WTAs, for instance, more researchers are using better-fit economic models or carrying out non-hypothetical experiments. A set of papers were included attempting to explore these important issues.

Organizer: Guzhen Zhou, Jiangxi University of Finance and Economics

Moderator: Wuyang Hu, University of Kentucky

Chinese Consumer Preference on Red Wine Attributes
Wuyang Hu, University of Kentucky; Ping Qing, Huazhong Agricultural University

Incorporating Incentive Compatible Consequentiality in Choice Experiments: Consumer Preference for Alaska Salmon in China
Qiujie Zheng, University of Alaska; Hong Holly Wang, Purdue University; Jason F. Shogren, University of Wyoming

Effects of Food Additives Information on Consumers’ Risk Perceptions and Willingness to Accept: Based on a Random Nth-Price Auction
Yingqi Zhong, Zhejiang University; Zuhui Huang, Zhejiang University; Linhai Wu, Jiangnan University School of Business

Chinese Consumer Willingness to Pay for Pork with Credence Quality Attributes
Hao Dong, University of Kentucky; Wuyang Hu, University of Kentucky

An Alternative Approach to Estimate the Economic Loss of Porcine Epidemic Diarrhea (PED) via Data Envelopment Analysis: The Case in Taiwan
Shang-Ho Yang, National Chung Hsing University; Kenny Burdine, University of Kentucky; Wu-Yueh Hu, National Chung Hsing University

Are Consumers’ Choice of Eco-Friendly Agri-products Driven by their Environmental Motives? Evidence from Choice Experiment in China
Liu Qing, Zhejiang University; Jiehong Zhou, Zhejiang University; Zhen Yan, Zhejiang University

Market Opportunities to Export Pork to China
John Lai, Purdue University; H. Holly Wang, Purdue University

Consumers’ Preference of and Willingness to Pay for Food Nanotechnology in China
Guzhen Zhou, Jiangxi University of Finance and Economics; Dan Pan, Institute of Poyang Lake Eco-economics, Jiangxi University of Finance and Economics; Weidong Liao, Jiangxi University of Finance and Economics; Qing Xiao, Jiangxi University of Finance and Economics
Concurrent Sessions — Monday, 4:30 - 6:00 PM

1123  Regulatory Costs in California Agriculture

Track Session – AEM and Senior Sections

Provincetown, 4th Floor

California agribusinesses face increasing regulatory costs. The combined effects of air, water, pesticide, and labor regulations drastically increases the cost of production in California relative to other states, and reduces farmers' ability to compete globally.

We discuss results of a 2014-16 study to assess the total cost of regulation on California agriculture at both the farm and regional level. Twenty-two case studies were completed with growers of various commodities, farm sizes, and locations. Detailed production budgets and regulatory costs were collected and the data was used to develop stochastic farm models to estimate the current cost of regulation and allow for marginal analysis of future possible regulation. Finally, a regional model was developed to assess the broader impact of regulation. Presenters will discuss findings and well as describe the current and potential future impact of regulation on California agriculture.

Organizers: Lynn L. Hamilton, California Polytechnic State University; Michael P. McCullough, California Polytechnic State University

Discussant: Jay Noel, California Polytechnic State University

Presenters: Lynn L. Hamilton, California Polytechnic State University; Duncan MacEwan, ERA Economics; Michael P. McCullough, California Polytechnic State University

1124  Issues about Agricultural Productions, Natural Resources and Human Capital Resources in China

Track Session – China Section – Lightning Session

Simmons, 3rd Floor

This session consists of eight papers closely related and centered on the topic of agricultural productions, natural and human capital resources in China. The first four papers addressed issues about production, natural resources, and their relations. Another two papers analyzed in depth specific questions during production process: the dairy industry and vegetable production. The last two papers selected provides the other aspect factor relating to the production—the human capital resources. One paper discussed the potential job candidate in the market, the college students and the last paper provides a discussion of leaders by using an investment experiment in China.

Organizer: Guzhen Zhou, Jiangxi University of Finance and Economics

Moderator: Yanhong Jin, Rutgers University

Are Resources Cursed? An Investigation of Chinese Provinces

Na Zuo, University of Kentucky; Jack Schieffer, University of Kentucky

Private R&D and Its Productivity in China’s Agriculture

Yanhong Jin, Rutgers University; Carl E. Pray, Rutgers University; Ruifa Hu, Beijing Institute of Technology; Yahong Hu, Rutgers University

Adaptation to Climate Change and Rice Production in Southern China

Zhengfei Guan, University of Florida; Honggen Zhu, Jiangxi Agricultural University; Xi Liang, Jiangxi Agricultural University; Feng Wu, University of Florida

Relationship Between the Development of China's Sea and River Port Infrastructure and Dynamics in China’s Import of U.S. Agricultural Products

Elizabeth Gooch, USDA-Economic Research Service

Whether Dairy Farmers’ Loss Could be Reduced by Dairy Cattle Insurance—Base on Survey of the Dairy Cattle Mongolia Producer in the Inner Mongolia

Yuanfeng Zhao, Inner Mongolia Agricultural University; Xuguang Zhang, Inner Mongolia Agricultural University

Contract Farming in China: Perspectives of Smallholders in Vegetable Production

Xiaokang Li, Zhejiang University; Hongdong Guo, Zhejiang University

College Students on the Job Market and the Screening of Prospect Employers: Evidence from a Randomized Experiment in China

Jian Zhang, Central University of Finance and Economics; Tao Li, Central University of Finance and Economics; Haigang Wang, Central University of Finance and Economics

Are Leaders More Trustworthy? Evidence from an Investment Experiment in China

Haigang Wang, Central University of Finance and Economics; Tao Li, Central University of Finance and Economics; Jingyi Ma, Central University of Finance and Economics
Concurrent Sessions — Monday, 4:30 - 6:00 PM

1125  Crop Insurance: Opportunities and Challenges Facing the Industry
       Vineyard, 4th Floor

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

Organizer: Oscar Vergara, Air Worldwide
Discussant: Keith H. Coble, Mississippi State University

Crop Insurance: Domestic Opportunities and Challenges Facing the Industry
Tom Zacharias, National Crop Insurance Services

Crop Insurance: Opportunities and Challenges Facing Program Administrators
Robert C. Johansson, USDA-Office of the Chief Economist

Crop Insurance: International Opportunities and Challenges Facing the Industry
Oscar Vergara, Air Worldwide; Julia I. Borman, Air Worldwide

1126  Food and Nutrition Issues in Sub-Saharan Africa
       Wellesley, 3rd Floor

Track Session – COSBAE and International Sections
In this session, we focus on the supply and demand-side drivers of food choice and nutrition in Sub-Saharan Africa. The old narrative about food security was that poor people and countries suffered from undernutrition while rich countries suffered from “over-nutrition.” That narrative has been upended by the growing prevalence of obesity and chronic noncommunicable diseases such as diabetes in developing countries, even while undernutrition continues to be a problem. We present findings on the socioeconomic factors that influence dietary habits globally with a particular focus on the behavior of individuals and households in Sub-Saharan Africa.

Organizer: Andrew Muhammad, USDA-Economic Research Service
Discussant: Nicole M. Mason, Michigan State University

Tapping Irrigation’s Potential for Nutritional Outcomes in Sub-Saharan Africa

The Influence of Income and Prices on Global Food Choices: A Focus on Sub-Saharan Africa
Andrew Muhammad, USDA-Economic Research Service; Anna D’Souza, Baruch College, City University of New York; Birgit G. Meade, USDA-Economic Research Service; Renata Micha, Tufts University; Dariush Mozaffarian, Tufts University

Production Diversity, Dietary Quality, and Food Demand: Exploring Causality and Responsiveness in a Participatory Agricultural Research
Concurrent Sessions — Tuesday, 9:45 - 11:15 AM

2001  Optimal Food Waste: A Theoretical and Empirical Foundation
Boylston, 1st Floor

Invited Paper
Globally, one-third of all food products, $1 trillion annually, is lost or wasted in food production and consumption. Various governmental policies and programs can mitigate food waste, but a sound economic theory and empirical hypothesis testing is required for achieving efficiency. The current implicit literature path has an objective of zero food waste. However, economic theory indicates some optimal level of food waste. The aim is to establish a theoretical and empirical foundation for shifting the literature toward an economically efficient food waste trajectory. Only then can we develop economically efficient policies.

Organizers: Jean C. Buzby, USDA-Economic Research Service; Harry De Gorter, Cornell University; Bhagyashree Katare, Purdue University; Brian E. Roe, The Ohio State University; Mark W. Rosegrant, International Food Policy Research Institute; Michael E. Wetzstein, Purdue University

Moderator: Jean C. Buzby, USDA-Economic Research Service

Discussant: Harry De Gorter, Cornell University
Toward an Optimal Food Waste Tax
Bhagyashree Katare, Purdue University; Dmytro Serebrennikov, Leibniz Institute of Agricultural Development in Transition Economies; Michael E. Wetzstein, Purdue University

The Rebound Effect of Food Waste Reduction Policies: Theory and Evidence
Danyi Qi, The Ohio State University; Brian E. Roe, The Ohio State University

Returns to Investment in Reducing Postharvest Food Losses and Increasing Agricultural Productivity Growth
Mark W. Rosegrant, International Food Policy Research Institute; Eduardo C. Magalhaes, Datalyze Consulting Corp; Rowena Valmonte-Santos, International Food Policy Research Institute; Daniel Mason-D’Croz, International Food Policy Research Institute

2002  Methodological Innovations for Advancing Research on Nutrition and Agriculture
Arlington, 3rd Floor

Organized Symposium
This session draws on a new BMGF-funded project building methodological bridges between data at different analytical scales, providing methodological innovations adapted to the challenge of quantifying agriculture-nutrition linkages in an integrated fashion. The session will cover the full spectrum of microeconomic research based on household surveys, meso level analysis of markets and trade within countries, and macro level simulation analyses. Some of the innovations in this field include the construction of synthetic data sets that merge together nutrition surveys with geographic information system (GIS) data or other aggregate data (e.g. crop surveys, price data), nutrition-smart simulation models that go beyond household income/consumption metrics to look at dietary patterns, and nutrition-smart agricultural household surveys that integrate best practices for both nutrition and agricultural measurement.

Organizers: Derek Headey, International Food Policy Research Institute; William A. Masters, Tufts University
Panelists: Steven A. Block, Tufts University; Calogero Carletto, World Bank; You Liangzhi, International Food Policy Research Institute; James Thurlow, International Food Policy Research Institute
Concurrent Sessions — Tuesday, 9:45 - 11:15 AM

2003  Risk, Resilience and Adaptation to Climate Change
       Wellesley, 3rd Floor

Organized Symposium
This session focuses on resilience and adaptation to weather and energy shocks in domestic and non-domestic settings. It provides new insights into the potential impacts of climate change.

Moderator: Justice T. Mensah, Swedish University of Agricultural Sciences

Bring Back the Light: Power Outages and Industrial Performance in Sub-Saharan Africa
Justice T. Mensah, Swedish University of Agricultural Sciences

The Value of Coastal Protection and Risk: Evidence from the Oregon Coast
Steven J. Dundas, Oregon State University; David Kling, Oregon State University; David Lewis, Oregon State University

Sea Level Rise, Flood Risk and Property Values: Evidence from New York City
Matthew Gibson, University of California, San Diego; Alison Hill, Williams College

Can Farmers Adapt to Extreme Heat? Evidence from India
Vis P. Taraz, Smith College

2004  Crop Insurance and Credit Access
       Salon B, 4th Floor

Selected Presentation – Lightning Session
Crop insurance today constitutes the largest set of direct agricultural subsidy programs. This session explores issues related to pricing and delivery of that program, and its interaction with credit markets.

Moderator: Christopher Burns, USDA-Economic Research Service

Do Direct Payments and Crop Insurance Influence Mid-size Farm Survival and Decisions to Expand?
Christopher Burns, USDA-Economic Research Service; Daniel Prager, USDA-Economic Research Service

How Crop Insurance Affects Farm Business Survivability
Youngjune Kim, Kansas State University; Dustin L. Pendell, Kansas State University

Income Tax Credits to Assist Beginning Farmers and Ranchers: A Look at State-Level Policies
James M. Williamson, USDA-Economic Research Service; Anthony Girardi, Iowa Department of Revenue

Dynamic Heterogeneous Agent Models of Default on Farm Real Estate Loans
Yifei Wu, University of Georgia; Jeffrey H. Dorfman, University of Georgia; Brady E. Brewer, University of Georgia

ARMS Respondent Errors: A Case of Farm Service Agency Loans
Bruce L. Abarendsen, University of Arkansas; Bruce L. Dixon, University of Arkansas; Charles B. Dodson, Farm Service Agency/Economic Policy Analysis Staff; Diana Danforth, University of Arkansas; Nicole McMinn, University of Arkansas

The Impact of Credit Constraints on the Performance of Chinese Agricultural Wholesalers
Lifang Hu, Renmin University of China; Yinchu Zeng, Renmin University; Rigoberto A. Lopez, University of Connecticut

Agricultural Production, Credit Constraints, and Rate Liberalization in China
Jie Lu, Renmin University of China; Zhong Tang, Renmin University of China
2005  
**Agricultural Production Economics**

*Salon C, 4th Floor*

**Selected Presentation – Lightning Session**
This session is comprised of eight papers related to Production Economics.

**Moderator:** Melissa McKendree, Kansas State University

- Technical Efficiency of Dairy Farms in Uruguay: a Stochastic Production Frontier Analysis  
  **Gabriela Perez-Quesada**, Universidad de la Republica; **Federico Garcia-Suarez**, Universidad de la Republica

- Comparisons of Real Values of Capital Input  

- Modelling of Bt Corn Production Under Choice of Abatement Specification  
  **Xiangdong Shi**, University of Minnesota at Twin Cities; **Terrance M. Hurley**, University of Minnesota

- Identifying Economic Hurdles to Early Adoption of Preventative Practices: The Case of Trunk Diseases in California Winegrape Vineyards  
  **Jonathan D. Kaplan**, California State University, Sacramento; **Renaud Travadon**, USDA-Agricultural Research Service; **Monica Cooper**, University of California Cooperative Extension; **Vicken Hillis**, University of California, Davis; **Mark Lubell**, University of California, Davis; **Kendra Baumgartner**, USDA-Agricultural Research Service

- Pass-through in the United States Beef Industry: An Update and Expansion  
  **Melissa McKendree**, Kansas State University; **Glynn T. Tonsor**, Kansas State University

- The Yield Dynamics of Perennial Crops: An Application to Sugarcane in Brazil  
  **Daniel Tregeagle**, University of California, Berkeley; **David Zilberman**, University of California, Berkeley

2006  
**Political Economy and Environmental Policy**

*Harvard, 3rd Floor*

**Selected Presentation**

Papers in this session focus on two main issues: the political economy of environmental regulations, and the welfare and environmental impacts of these policies.

**Moderator:** Nicholas J. Pates, Kansas State University

- The Political Economy of Embodied Technologies  
  **Gal Hochman**, Rutgers University; **David Zilberman**, University of California, Berkeley

- Costly Inspections and Little Abatement: An Evaluation of I/M Efficiency  
  **Christopher S. Giguere**, North Carolina State University

- Additionality in Payments for Environmental Services with Technology Diffusion  
  **Nicholas J. Pates**, Kansas State University; **Nathan P. Hendricks**, Kansas State University

- Is There Life After Death? The Case of the 33/50 Program  
  **Phi Hoang**, University of Georgia; **William Henry McGuire**, University of Washington Tacoma; **Aseem Prakash**, University of Washington
Concurrent Sessions — Tuesday, 9:45 - 11:15 AM

2007  New Insights into Index Insurance
       Hyannis, 4th Floor

Selected Presentation
Index insurance is gaining attention as an alternative to indemnity-based insurance. The papers in this session discuss new research touching on several dimensions related to index insurance.

Moderator: Khushbu Mishra, The Ohio State University

Gender Differential Impacts of Index-Based Rainfall Insurance on Technology Adoption: Evidence from Ghana
Khushbu Mishra, The Ohio State University; Richard Gallenstein, The Ohio State University; Mario J. Miranda, The Ohio State University; Abdoul G. Sam, The Ohio State University; Patricia Toledo, The Ohio State University

The Crowd-In Effect of Index Insurance on Informal Risk Sharing
Chang Xu, The Ohio State University; Mario J. Miranda, The Ohio State University

Index Insurance and Moral Hazard in a Microfinance Context
John Dougherty, The Ohio State University; Richard Gallenstein, The Ohio State University; Khushbu Mishra, The Ohio State University; Mario J. Miranda, The Ohio State University; Jon Einar Flatnes, University of California, Davis

2008  Spatial and Land Issues in Agribusiness
       Maine, 5th Floor

Selected Presentation
This session addresses spatial and land-related ecosystem issues in agribusiness.

Moderator: Tun-Hsiang Yu, University of Tennessee

Determinants of Lock Delays on the Upper Mississippi River: A Spatial Econometrics Approach
Tun-Hsiang Edward Yu, University of Tennessee; Burton C. English, University of Tennessee; Bijay Sharma, University of Tennessee

Land Rental, Farm Investment, Productivity and Efficiency in Burkina Faso
Didier Y. Alia, University of Kentucky; Yoko Kusunose, University of Kentucky; Veronique Theriault, Michigan State University

The Spatiotemporal Interrelatedness of Farmers’ Switching Decisions
Tim Viergutz, Goettingen University; Birgit Schulze-Ehlers, Goettingen University

Tradeoffs among Multiple Ecosystem Services and Economic Returns from Groundwater Depletion on a Farm Landscape
Kent Kovacs, University of Arkansas; Michael P. Popp, University of Arkansas; Grant H. West, University of Arkansas

2009  Choice Experiments and the Influence of Beliefs and Sensory Evaluation on Preferences
       Massachusetts, 5th Floor

Selected Presentation
This session presents research on drivers of demand and willingness to pay for different food products. Furthermore, it informs on influence of beliefs and sensory evaluation as it relates to experimental research.

Moderator: Renee Shaw Hughner, Arizona State University

Drivers of Demand for Specialty Crops – The Example of Arizona-Grown Medjool Dates
Carola Grebitus, Arizona State University; Renee Shaw Hughner, Arizona State University; Anne O. Peschel, Aarhus University

What Consumers Don’t Know About GM Food and How That Affects Beliefs
Brandon R. McFadden, University of Florida; Jayson L. Lusk, Oklahoma State University

Combining Sensory Evaluation and Mental Models in the Assessment of Consumer Preferences for and Choice of Healthy Products: Experience from a Field Experiment in Kenya
Julius J. Okello, International Potato Center; Carl Johan Lagerkvist, Swedish University of Agricultural Sciences; Penina Muoki, International Potato Center; Simon Heck, International Potato Center; Gordon Prain, International Potato Center
Concurrent Sessions — Tuesday, 9:45 - 11:15 AM

2010 Information and Consumer Decision
MIT, 3rd Floor

Selected Presentation
This set of papers present evidence on how information and risk in a variety of contexts affects consumer decisions and behavior.

Moderator: Zack Dorner, Monash University

Have Smart Meters Been Used Smartly by Electricity Customers? Evidence from a Case Study in Vermont
Samantha W. Lewandowski, University of Vermont; Qingbin Wang, University of Vermont; Robert L. Parsons, University of Vermont

To Tell or Not to Tell: How the Initial Information Impacts Participants’ Behavior
Gnel Gabrielyan, Washington State University

Investigating the U.S. Consumer Response to the Chinese Takeover of a U.S. Firm
Yu Yvette Zhang, Texas A&M University; Marco A. Palma, Texas A&M University; Shaosheng Jin, Zhejiang University; Xiaotong Yuan, Texas A&M University

Eliciting Risk Preferences for Intrinsic Attributes
Zack Dorner, Monash University; Daniel A. Brent, Monash University; Anke Leroux, Monash University

2011 Impact of Energy Shocks on Agricultural and Related Markets
Nantucket, 4th Floor

Selected Presentation
This session focuses on empirical applications that examine the effects of energy shocks on energy and agricultural commodities and input prices.

Moderator: Vladimir Bejan, Seattle University

Oil Price Volatility and Asymmetric Leverage Effects
Eunhee Lee, Korea University; Doo Bong Han, Korea University

Identification in Structural Models Linking Energy and Corn Commodity Markets
Veronica F. Pozo, Utah State University; Vladimir Bejan, Seattle University

Energy Shocks and Price Adjustment: National Brands vs. Private Labels
Xun Li, Wuhan University; Rui Wang

Not All Energy Shocks Are Alike: Disentangling Shocks in the U.S. Fertilizer Market
Vladimir Bejan, Seattle University; Veronica F. Pozo, Utah State University

2012 Applied Environment and Natural Resource Valuation
New Hampshire, 5th Floor

Selected Presentation
The papers in this session utilize hedonic and sorting models to evaluate the relationship between amenities/disamenities and residential housing.

Moderator: David M. Wolf, The Ohio State University

Blue-Green Algae's Impact on Ohio's Inland Lake Housing Markets
David M. Wolf, The Ohio State University; Allen Klaiber, The Ohio State University

Hedonic Analysis and Time Varying Amenities: An Application Using School Quality
Charles A. Towe, University of Connecticut; Constant Tra, University of Nevada, Las Vegas

Do Superfund Sites Affect Local Property Values? Evidence from a Spatial Hedonic Approach
GwanSeon Kim, Jack Schieffer, University of Kentucky; Tyler B. Mark, University of Kentucky

The Impact of Pollution Burden on Micro-level Residential Sorting
Mitchell R. Lisy, California State University, Fullerton; Cristina Connolly, The Ohio State University
Concurrent Sessions — Tuesday, 9:45 - 11:15 AM

2013 Child Health and Development
Northeastern, 3rd Floor

Selected Presentation
Three papers in this session investigate various issues related to child health and development.

Moderator: Hope C. Michelson, University of Illinois at Urbana-Champaign

Agricultural Production Subsidies and Child Health: Evidence from Malawi
Hope C. Michelson, University of Illinois at Urbana-Champaign; Gillian Galford, University of Vermont

Climate Shocks and Child Health: Sex-specific Vulnerability and Protective Effects of Sanitation and Food Markets in Nepal
Steven A. Block, Tufts University; William A. Masters, Tufts University; Prajula Mulmi, Tufts University; Gerald E. Shively, Purdue University

Associations Between Food Scarcity During Pregnancy and Children’s Survival and Growth in Zambia
Maria Christina J. Foreman, University of New Hampshire; Guenther Fink, Harvard School of Public Health; Wafaie Fawzi, Harvard School of Public Health; Ibironke Olofin, Harvard School of Public Health

Immiserizing Biotechnology: Is Semisynthetic Artemisinin Good for Global Health?
K. Aleks Schaefer, University of California, Davis

2014 Economic Analyses of Obesity
Provincetown, 4th Floor

Selected Presentation
In this session four papers examine obesity, its economics causes, and its economic impacts.

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

Obesity as a Modifier of Price Sensitivity in the United States
Abigail M. Okrent, USDA-Economic Research Service; Megan D. Sweitzer, USDA-Economic Research Service

The Impact of the Food Environment on Childhood Obesity using the BMI Report Card in Worcester MA
Belkis J. Cerrato Caceres, Edgewood College; John Brown, Clark University; Jacqueline Geoghegan, Clark University

Mindlessness and Mindfulness of Secondary Eating
Fuad Alagsam, University of Kentucky; Jack Schieffer, University of Kentucky

2015 The Impacts of Advertising on Food Consumption
Regis, 3rd Floor

Selected Presentation
These papers examine the motivation for advertising food products, the effects on brand choice, and how advertising regulations impact product choices and related outcomes. Different types of advertising, products, and locations are considered.

Moderator: Xi He, University of Connecticut

Do Firms Advertise and Price to Maximize Profits? Evidence from U.S. Food Industries
Xi He, University of Connecticut; Rigoberto A. Lopez, University of Connecticut

The Impact of Child-Directed TV Food Advertising Regulations on Pocket Money Allowances
Lindsey M. Higgins, California Polytechnic State University; Andres Silva, Institut National de la Recherche Agronomique

Does Self-Regulation Work? The Case of Television Food Advertisement to Children in Germany
Stefanie C. Landwehr, University of Bonn; Monika Hartmann, University of Bonn
2016 Plant Breeding: Market Analysis and Policy
Salon A, 4th Floor

Selected Presentation
Proponents of genetically modified (GM) crops list increased yields, enhanced resistance to adverse weather, diseases and pests, and increased nutritional content, among other benefits. The controversy lies in the effect genetic modifications may have on human health. The papers in this session address some of the market and policy impacts of plant breeding programs with special emphasis on GM crops.

Moderator: Wallace E. Tyner, Purdue University

Economic and Environmental Impacts of a Global GMO Ban
Harrison H. Mahaffey, Purdue University; Farzad Taheripour, Purdue University; Wallace E. Tyner, Purdue University

Modeling the Optimal Strategies for Mitigating Genetically Modified (GM) Wheat Contamination Risks
Houtian Ge, The Pennsylvania State University; Stephan J. Goetz, The Pennsylvania State University; Richard Gray, University of Saskatchewan; James F Nolan, University of Saskatchewan

Are WTP Estimates for Fruit Quality Similar between Producers and Consumers? Results of a Choice Experiment on Five Rosaceous Fruit Crops
R. Karina Gallardo, Washington State University; Chengyan Yue, University of Minnesota; Vicki A. McCracken, Washington State University; James Luby, University of Minnesota; James R. McFerson, Washington Tree Fruit Research Commission

2017 Carbon Sequestration and Emissions in Forests
Salon D, 4th Floor

Selected Presentation
Papers in this session explore the role of management and policies on forest carbon, as well as aim to quantify the difficult tradeoffs between forests and agriculture in the Amazon.

Moderator: WanYu Liu, Aletheia University

A Study on the Forest Thinning Planning Problem Considering Carbon Sequestration and Emission
WanYu Liu, National Chung Hsing University

Trade-offs Between the Amazon Forest and Agriculture in Brazil
Felipe De Figueiredo Silva, University of Nebraska-Lincoln; Richard K. Perrin, University of Nebraska-Lincoln; Lilyan E. Fulginiti, University of Nebraska-Lincoln

The Role of Management in Greenhouse Gas Emissions Projections for the U.S. Forest Sector
Xiaohui Tian, Renmin University of China; Brent Sohngen, The Ohio State University; Justin S. Baker, RTI International

Cost Efficiency of Payment Systems for Forest Carbon Sequestration Incorporating Spatial and Temporal Heterogeneities
Mohamed-Amine Ben Ayara, University of Tennessee; Seong-Hoon Cho, University of Tennessee; Cristopher Clark, University of Tennessee; Dayton M. Lambert, University of Tennessee; Paul R. Armsworth, University of Tennessee

2018 Retail Price Dispersion and Downstream Competition
Salon H, 4th Floor

Selected Presentation
This session addresses empirical issues related to competition at the manufacturing and retailing stages of the supply chain.

Moderator: Matthew Elliott, University of South Dakota

Dynamic Pricing, Price Fairness, and Market Stability
Timothy J. Richards, Arizona State University; Jura Liaukonyte, Cornell University; Nadia A. Streletskaya, Cornell University

The Relationship between Price and Market Structure: New Evidence from the U.S. Food Retail Industry
Vardges Hovhannisyan, University of Wyoming; Marin Bozic, University of Minnesota-Twin Cities

The Structure and Competitiveness of Energy Drinks Market
Mahdi Asgari, University of Kentucky; Yuqing Zheng, University of Kentucky
Concurrent Sessions — Tuesday, 9:45 - 11:15 AM

2019  Household Food Demand
Salon I, 4th Floor

Selected Presentation
This session includes a set of papers that analyze household food demand in a variety of settings.

Moderator: Rapheal O. Babatunde, University of Ilorin, Nigeria

Does Community-based Health Insurance Improve Food Consumption of Low-income Households? Evidence from Kwara State
Health Insurance in Nigeria
Rapheal O. Babatunde, University of Ilorin, Nigeria

Neighborhoods Matter: Variation in Food Insecurity Not Explained by Household Characteristics
Olayemi Obabi, Southern Alberta Institute of Technology

Is it Hot in Here or is it Your Food Choices? Examining the Carbon Footprint of U.S. Household Food Spending and Travel to
Acquire Food and Linkages to Nutrition and Aggregate Economic Activity
Rebecca L. Boehm, Tufts University; Sean B. Cash, Tufts University; Parke E. Wilde, Tufts University; Michele L. Ver Ploeg, USDA-
Economic Research Service; Christine Costello, University of Missouri

The Demand for Food in France: The Case of Consumption at Retirement
Gayaneh S. Kyureghian, Korea University; Louis Georges Soler, Institut National de la Recherche Agronomique

2020  Land Rights and Development
Salon J, 4th Floor

Selected Presentation
Papers presented in this session investigate issues related to land rights and values in developing countries.

Moderator: Ayala Y. Wineman, Michigan State University

Land Markets and Equity of Land Access in Northwestern Tanzania
Ayala Y. Wineman, Michigan State University; Saweda Liverpool-Tasie, Michigan State University

What is Driving Farmland Rental Prices in Sub-Saharan Africa? Evidence from Malawi
Jacob Ricker-Gilbert, Purdue University; Nicole M. Mason, Michigan State University; Jordan Chamberlin, International Maize
and Wheat Improvement Center

Land Rights and Women’s Empowerment: Insights from Item Response Theory
Maria José Montenegro, University of Alberta; Sandeep Mohapatra, University of Alberta; Brent M. Swallow, University of Alberta

Direct Measurement of Efficiency Gains from Land Titling: PROCEDE’s Effect upon the Productivity of Mexican Agriculture
Travis McArthur, University of Wisconsin

2021  Free Trade Agreements and Agricultural Trade: Commodities and Geography
Salon K, 4th Floor

Selected Presentation
This session features papers looking at specific effects of regional trade agreements on agricultural trade flows and related issues. Both
commodity specific concerns and geographic factors are investigated.

Moderator: Lorraine S. Mitchell, USDA-Economic Research Service

Trade Creation and Diversion Under NAFTA: The North American Strawberry Market
P. Lynn Kennedy, Louisiana State University; Youngjae Lee, Louisiana State University

Determining the Effect of NAFTA on the North American Sweet Potato Market
P. Lynn Kennedy, Louisiana State University; Youngjae Lee, Louisiana State University

Protected Geographic Indicators in Trade Agreements
Lorraine S. Mitchell, USDA-Economic Research Service

Live and Let Die – Exporter Experience and Sequential Exporting in the International Coffee Market
Sven M. Anders, University of Alberta; Heiko Dreyer, University of Giessen
Concurrent Sessions — Tuesday, 9:45 - 11:15 AM

2022  Sector-Based Economic Development Approaches
      Suffolk, 3rd Floor

Selected Presentation
Papers in this session discuss economic development approaches targeting specific industries, including retail, agritourism, women-owned farms, and wind energy.

Moderator: Steven C. Deller, University of Wisconsin

Big-Box Retailers and Regional Income Growth
Man-Keun Kim, Utah State University; Denis Peralta, Utah State University

Exploring the Economics of Agritourists: Customizing Travel Cost Methods to Evaluate Differences Across the Western United States
Anders T. Van Sandt, Colorado State University; Dawn D. Thilmany McFadden, Colorado State University; Rebecca Hill, Colorado State University; Martha J. Sullins, Colorado State University

Women Farmers and Rural Economic Growth and Development
Steven C. Deller, University of Wisconsin; Tessa Conroy, University of Wisconsin

2023  Land Use, Climate Change and Agriculture
      Tremont, 1st Floor

Selected Presentation
Papers in this session explore land use and technology changes as agriculture adapts to climate change.

Moderator: Ernst Bertone Oehninger, University of California, Davis

The Effects of Climate Change on Groundwater Extraction for Agriculture and Land-use Change
Ernst Bertone Oehninger, University of California, Davis; C.-Y. Cynthia Lin Lawell, University of California, Davis

The Role of Climate Factors in Shaping China’s Crop Mix: An Empirical Exploration
Yuquan W. Zhang, Shanghai Jiao Tong University; Jianhong Mu, Oregon State University; Mark Musumba, The Earth Institute at Columbia University

Farmers’ Rankings of the Determinants of Land Use Decisions at the Margins of the Corn Belt
Tong Wang, Texas AgriLife Research; David A. Hennessy, Michigan State University; Larry L. Janssen, South Dakota State University; Hongli Feng, Michigan State University; Michael Wimberly, South Dakota State University; Moses Luri, Washington State University

Changing Agricultural Land-use in the United States and its Implications on Ecosystem Services
Jerome R. Dumortier, Purdue University

2024  Methods in Valuing the Environment and Natural Resources
      Tufts, 3rd Floor

Selected Presentation
The papers in this session address methodological aspects associated with valuing the environment and natural resources.

Moderator: Abdulallah S. Abdulrahman, Clark University

Correcting Systematic Response Bias in Discrete Choice Experiments: Implications for the Valuation of Climate Risk Reductions
Abdulallah S. Abdulrahman, Clark University; Robert J. Johnston, Clark University

Yau-Huo Shr, The Pennsylvania State University; Richard C. Ready, The Pennsylvania State University

Accommodating Satisficing Behaviour in Stated Choice Experiments
Erlend D. Sandorf, Arctic University of Norway; Danny Campbell, University of Stirling

The Wisdom of the Economic Crowd: Calibrating Integrated Assessment Models Using Consensus
Derek Sylvan, Institute for Policy Integrity; Peter H. Howard, Institute for Policy Integrity
Concurrent Sessions — Tuesday, 9:45 - 11:15 AM

2025  Modeling Methods in Agriculture
       Vermont, 5th Floor

Selected Presentation
This session offers a diverse set of papers utilizing empirical and theoretical modeling frameworks, such as Computable General Equilibrium (CGE) modeling and game theoretic models, to investigate various issues in agriculture.

Moderator: Margaret C. Jodlowski, Cornell University

Is ICE Freezing U.S. Agriculture? An Instrumental Variable Approach
Margaret C. Jodlowski, Cornell University; Jennifer E. Ifft, Cornell University

Study of Grain Markets Price Behavior in Mali Using a Co-integration Approach
Jean Claude Bizimana, Texas A&M University; David A. Bessler, Texas A&M University; Francis Keita, Agricultural Market Observatory

Potential Poverty Effects of the Special Safeguard Mechanism: The Case of Wheat
Amanda M. (Leister) Countryman, Colorado State University; Danielle Ufer, Colorado State University

The Effects of Residue Tolerance on Pesticide Use, Hop Marketing, and Social Welfare
Ruojin Zhang, Washington State University

2026  Food Security and Consumption
       Vineyard, 4th Floor

Selected Presentation
This session examines the effects of income and food access on food security and consumption.

Moderator: Qihui Chen, China Agricultural University

Better Estimating How Food Price Shocks Influence Mexican Poverty Levels
Benjamin D. K. Wood, International Initiative for Impact Evaluation; Charles H. Nelson, University of Illinois at Urbana-Champaign; Rafael Garduno-Rivera, Centro de Investigación y Docencia Económicas, A.C.

Disentangling the Retirement-Consumption Puzzle through the Lens of Food Consumption - Evidence from Urban China
Tinghe Deng, China Agricultural University; Qihui Chen, China Agricultural University; Junfei Bai, China Agricultural University

Neighborhoods Matter: Variation in Food Insecurity Not Explained by Household Characteristics
Olayemi Olabiyi, Southern Alberta Institute of Technology

2027  Big Data and Precision Agriculture
       Yarmouth, 4th Floor

Selected Presentation
Presentations in this session evaluate the impact of information technology in agriculture.

Moderator: Joshua D. Woodard, Cornell University

Value of Information: Costs and Returns of Precision Corn Production in Livingston County, Illinois
Edward Osei, Tarleton State University; Huijun Li, Victoria College

Evaluating Economic Threshold for Dynamically Optimal Disease Management
Yangxuan Liu, Purdue University; Michael R. Langemeier, Purdue University; Ben Gramig, Purdue University; Paul V. Preckel, Purdue University; Ian M. Small, Cornell University; William E. Fry, Cornell University; Laura Joseph, Cornell University; lje5@cornell.edu; Yuanhan Wu, Cornell University

Information Technologies and Field-level Chemical Use for Corn Production
Jae-hoon Sung, Iowa State University; John A. Miranowski, Iowa State University

Integrating Genomic Data into Crop Yield Distribution Estimation: Implications for Climate Change, Risk Management, and Plant Breeding
Joshua D. Woodard, Cornell University; Diane Wang, Cornell University; Anna McClung, U.S. Department of Agriculture; Lewis Ziska, U.S. Department of Agriculture; Tridib Dutta, Cornell University; Susan McCouch, Cornell University
Concurrent Sessions — Tuesday, 9:45 - 11:15 AM

2028 An Introduction to Econometric Modeling using Stan

Berkeley, 3rd Floor

Track Session – Econometrics Section

Stan includes a programming language for expressing essentially any empirical model that is a differentiable function of the unknown parameters, which can then be estimated using one of the algorithms in the Stan Library. In particular, the Stan Library includes the most advanced implementation of Hamiltonian Monte Carlo, which allows researchers to efficiently draw from the posterior distribution of the unknown parameters given the known data. Alternatively, the mode of the posterior distribution can be found using conventional optimization algorithms. This talk will focus on the R interface to Stan and demonstrate how several popular regression models can be estimated using pre-written Stan code and will briefly outline how more complicated econometric models could be written using the Stan language.

Organizer: Jesse B. Tack, Mississippi State University
Moderator: Jesse B. Tack, Mississippi State University
Presenter: Ben Goodrich, Columbia University

2029 U.S.-Cuba Agricultural Trade: Past, Present, and Future

Boston University, 3rd Floor

Track Session – International Section


Cuba made a major infrastructure investment on the Port of Mariel, which is being promoted as the Hub of the Americas. The Port of Mariel has four cranes capable of handling 850,000 TEUs annually and has the capacity of Post-Panamax shipping. This investment has the potential to increase agricultural trade between Cuba and United States

Organizers: Linda S. Calvin, USDA-Economic Research Service; Marco A. Palma, Texas A&M University; Luis A. Ribera, Texas A&M University
Moderator: Linda S. Calvin, USDA-Economic Research Service
Discussant: William A. Messina Jr., University of Florida
Bryce W. Cooke, USDA-Economic Research Service; Steven S. Zahniser, USDA-Economic Research Service

Economic Impacts of U.S. Agricultural Exports to Cuba
Luis A. Ribera, Texas A&M University; Flynn J. Adcock, Texas A&M University; Daniel Hanselka, Texas A&M University
An Evaluation of Bilateral Agricultural Trade between the United States and Cuba under Normal Trading Relations
Food Safety Research and Big Data

Track Session – Senior and Econometrics Sections
What are the results of government investments in research? How do universities affect economic outcomes? These questions are beginning to be answered by an effort of the Committee on Institutional Cooperation (CIC) based on UMETRICS. The CIC was at first a consortium of 11 member universities. The foundation of UMETRICS is a common, large-scale, automated data platform on the research enterprise made possible by the Federal STAR METRICS project and massive advances in the methods and tools to combine, mine, and analyze big data on research. We evaluate outcomes of graduate students, post docs and alumni with research on food safety. The session will first address the UMETRICS data base, its content and how it has expanded to other universities. Next we will present issues related to food safety based on a workshop with leading scholars. The final session will report on econometric and related analysis of the data on food safety research and implications for industry results on food safety.

Organizers: Stanley R. Johnson, National Center for Food and Agricultural Policy; Alexander F. McCalla, University of California, Davis

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

Discussant: Stanley R. Johnson, National Center for Food and Agricultural Policy

Identifying Impacts of Food Safety Research: A Use for Big Data
Kaye Husbands Fealing, Georgia Institute of Technology

A Real World View on the Role of Food Safety Research Funding and its Outcomes
Sandra Hoffmann, USDA-Economic Research Service

Estimating Impacts of Food Safety Research on Job Placement, Salaries, and Patents
John King, University of California, Davis; Stanley R. Johnson, National Center for Food and Agricultural Policy

Market and Public Policy Response to Pollinator Losses

Track Session – ENV Section
Since the emergence of colony collapse disorder in 2006, substantial attention has been paid to the role that wild and managed pollinators play in both providing ecosystem services and increasing horticultural crop yields. Although CCD’s specific cause has not been isolated, concern that high over-wintering loss rates for bee colonies may permanently reduce pollinators stocks have raised calls to ban commonly used pesticides and subsidize pollinator habitat through the Conservation Reserve Program. This session considers the issues of honey bee health, pollinator losses, and possible remedies.

Organizers: Peyton M. Ferrier, USDA-Economic Research Service; Daniel M. Hellerstein, USDA-Economic Research Service

The Impact of Honey Bee Losses on Pollinator Service Prices and Crop Markets
Peyton M. Ferrier, USDA-Economic Research Service; Randal R. Rucker, Montana State University; Wally Thurman, North Carolina State University

Impacts of Almond Market Conditions on Honey Bee Populations
Hyunok Lee, University of California, Davis; Daniel A. Sumner, University of California, Davis

Factors Affecting Honey Bee Health
Kathy Baylis, University of Illinois at Urbana-Champaign; Dennis Van EngelsDorp, University of Maryland

Landuse and Pollinator Health: What Matters
Daniel M. Hellerstein, USDA-Economic Research Service; Claudia Hitaj, USDA-Economic Research Service; David J. Smith, University of Minnesota
Concurrent Sessions — Tuesday, 9:45 - 11:15 AM

2032  Soybean Expansion in the Tropics

*Dartmouth, 3rd Floor*

**Track Session – AEM and LAS Sections**

Soybean has been the fastest growing grain crop over the last 15 years, growing at a compound average growth rate of 2.92%, outpacing the number two crop, rape, by 25% and the number three crop, maize, by 34%. Much of the soybean growth now occurs in the low latitude regions of the world. Soybeans have been successfully adapted to tropical growing conditions, where yields equal the temperate and sub-tropical regions of the United States, Argentina, and southern Brazil. Rising global incomes and urbanization, resulting dietary shifts to meat consumption, and preferences for food away from home, indirectly drive the demand for soybean, as a livestock protein feed and human food oil. Soybeans’ high yield and nutrient density economically provide a key macro nutrient, protein, for livestock feed rations, along with an optimum balance of essential amino acids.

**Organizer:** Peter D. Goldsmith, University of Illinois at Urbana-Champaign

**Discussant:** Robert Bertram, U.S. Agency for International Development

**Panelists:** Jill L. Findeis, University of Missouri; Peter D. Goldsmith, University of Illinois at Urbana-Champaign; Peter Richards, U.S. Agency for International Development

2033  Towards Understanding Small Farm Profitability: Impacts of Market Channel Selection

*Exeter, 3rd Floor*

**Track Session – CRENET and Senior Sections**

This session highlights recent research projects that each utilize U.S. Department of Agriculture-Agricultural Resource Management Survey (USDA-ARMS) data, the primary source of farm financial information, to understand the farm profitability impacts of sales through diverse market channels. The first paper uses the ARMS data to explore the determinants of small farm profitability in the U.S. The second paper examines the extent to which small farms are better off diversifying their income through different on-and off-farm diversification strategies. Finally, the third paper divides the ARMS sample of local and regional food marketers into high and low performing quartiles by net cash income to explore what operator, regional and production characteristics may vary among those farms that report the strongest (and weakest) financial outcomes.

**Organizer:** Becca B. R. Jablonski, Colorado State University

**Moderator:** Becca B. R. Jablonski, Colorado State University

**Discussant:** Todd M. Schmit, Cornell University

**Determinants of Small Farm Profitability: How Important are Local Foods?**

*Stephen J. Vogel*, USDA-Economic Research Service; Becca B. R. Jablonski, Colorado State University; Todd M. Schmit, Cornell University

**Survival Strategies for Small Farms in the United States**

*Ashok K. Mishra*, Arizona State University; James Michael Harris, USDA-Economic Research Service


*Dawn D. Thilmay McFadden*, Colorado State University; Allison Bauman, Colorado State University; Becca B.R. Jablonski, Colorado State University
Where Are They Now? Research Updates from Graduates of the Behavioral Economics Workshop
Fairfield, 3rd Floor

Track Session – GSS and FSN Sections
The FSN-sponsored Behavioral Economics Post-conference Workshop received great positive feedback from young professionals. We selected four projects which were discussed during the mini-mentoring meeting at the workshop. As such, the first presentation will be investigating the ‘economics of hope’ in rural Myanmar. Specifically, the presenter will show results from a survey instrument designed to measure locus of control, self-efficacy, personal agency, and constraints on pathways. The second presentation will apply lessons from consumer psychology targeted toward developing more accurate choice experiments. The third speaker presents an experimental design and preliminary results from experimental research that tests whether farm operators’ behaviors depart from predicted risk-neutral, solely profit-maximizing entities in farm-to-school markets. In the fourth study, the researcher uses an experimental survey to measure the perceptions and preferences of direct-marketing farmers in regards to risk, liability and the Food Safety Modernization Act.

Organizers: Carola Grebitus, Arizona State University; Christiane Schroeter, California Polytechnic State University
Moderator: Julie A. Caswell, University of Massachusetts Amherst

Measuring Hope in Rural Myanmar: An Empirical Approach
Jeffrey Bloem, Michigan State University

How Lessons from Consumer Psychology can Create Better Choice Experiments
Trey Malone, Oklahoma State University

An Experimental Investigation of Social Preferences in Agri-Environmental Marketing Choice: Preliminary Findings
Jill Ann Fitzsimmons, University of Massachusetts; Daniel A. Lass, University of Massachusetts Amherst; John Spraggan, University of Massachusetts Amherst; Hernan D. Bejarano, Chapman University; Nathalie Lavoie, University of Massachusetts Amherst

Risk Preferences and Liability Decisions: A Survey of Direct-marketing Farmers
Cristina Connolly, The Ohio State University

Extension Section Crops Outlook
Simmons, 3rd Floor

Track Session – Extension Section
This session continues the tradition of Extension Section Outlook organized symposium and will focus on crop situation and outlook. The presenters will discuss market conditions, supply, demand, and prices.

Organizers: John Michael Riley, Oklahoma State University; Suzanne D. Thornsbury, USDA-Economic Research Service; Linwood Hoffman, USDA-ERS

Overview of ERS Commodity Outlook Program
Presenter: Linwood Hoffman, USDA-ERS

U.S. Corn, Situation and Outlook
Thomas C. Capehart, USDA-Economic Research Service

U.S. Soybeans, Situation and Outlook
Mark S. Ash, USDA-Economic Research Service

U.S. Wheat, Situation and Outlook
Jennifer K. Bond, USDA-Economic Research Service

U.S. Sugar and Suspension Agreement with Mexico
Michael J. McConnell, USDA-Economic Research Service

Overview of ERS Commodity Outlook Program
Presenter: Linwood Hoffman, USDA-ERS
Concurrent Sessions — Tuesday, 9:45 - 11:15 AM

Teaching Tips from AAEA Winners
St. Botolph, 2nd Floor

Track Session – GSS and TLC Sections
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 teaching styles they consider to be instrumental to their points, the emphasis will be on pedagogical approaches to improving education in our profession.

The goal is to share ideas on what successful teachers are doing in and out of the classroom to facilitate learning. Contributions from audience members, in the form of shared experiences, questions, and observations, are both welcomed and considered a key part of this organized symposium.

Organizer: Elizabeth A. Yeager, Kansas State University
Moderator: Elizabeth A. Yeager, Kansas State University
Presenters: W. Marshall Frasier, Colorado State University; Nicholas D. Paulson, University of Illinois at Urbana-Champaign; Richard J. Sexton, University of California, Davis; Andrew Stevens, University of California, Berkeley
Concurrent Sessions — Tuesday, 1:00 - 2:30 PM

2037 Regulatory Technology Policies: A Real Option View
Boylston, 1st Floor

Invited Papers
Option value and the real option approach have become major tools for analysis and explanation of adoption of agricultural technologies. But these techniques can also be effective to assess the impact and timing of regulations. While the seminal Arrow and Fisher paper shows that considering option value justify to delay in regulations, the approach also allows to assess the cost and gain from delay—and can be applied to assess regularly approaches—like the delay in the approval of GMOs and other new technologies such as those reducing greenhouse gas emission.

Organizers: Justus H. Wesseler, Wageningen University; David Zilberman, University of California, Berkeley
Moderator: David Zilberman, University of California, Berkeley
Discussant: David A. Hennessy, Michigan State University

Learn about Plants: Consumer Demand, Regulatory Delay and Regulatory Restrictions
Jinhua Zhao, Michigan State University

Foregone Benefits of Important Food Crop Improvements in Sub-Saharan Africa
Richard Danvers Smart; Jennifer Thomson, University of Cape Town; Justus H. Wesseler, Wageningen University; David Zilberman, University of California, Berkeley

GM-free Production: Worth Investing? The Case of GM-free Labelled Dairy Products in Germany
Thomas Johann Venus, Wageningen University; Justus H. Wesseler, Wageningen University

2038 Evolving U.S. Policy toward Cuba: Implications for U.S. and Cuban Agriculture and Natural Resources
Arlington, 3rd Floor

Organized Symposium
While the U.S. embargo of Cuba is a law and remains in force, U.S. farmers, ranchers and agricultural product suppliers have been actively involved with Cuba for 15 years since passage of the Trade Sanctions Reform and Export Enhancement Act (TSRA) of 2000 that allowed U.S. firms to sell agricultural and food products (and medicine) to Cuba. Over that period, U.S. suppliers have shipped over $5 billion worth of food and agricultural products to Cuba, and for 11 of the past 13 years, the United States had been Cuba’s most important supplier of imported food products by value (USDA/GATS database and GTIS database).

Organizers: William A. Messina Jr., University of Florida; Andrew Schmitz, University of Florida
Moderator: William A. Messina Jr., University of Florida
Discussants: Jonathan Coleman, U.S. International Trade Commission; Mechel S. Paggi, California State University, Fresno; Daniel B. Whitley, USDA-Foreign Agriculture Service; Parr Rosson, Texas A&M University

2039 Impacts and Determinants of Agricultural Labor Supply
Salon B, 4th Floor

Selected Presentation – Lightning Session
The papers in this session examine the role of government programs, government interventions, external shocks, and off-farm opportunities on agricultural labor supply in a variety of settings.

Moderator: Amanda C. Clayton Walsh, North Carolina State University

Impacts of Dengue Epidemics on Household Labor Market Outcomes
Amanda C. Clayton Walsh, North Carolina State University

Imperfect Substitution between Immigrant and Native Farm Workers in the United States
Xuan Wei, University of Florida; Zhengfei Guan, University of Florida; Gulcan Onel, University of Florida

The Labor Market Impacts of Endangered Species Regulation
Richard T. Melstrom, Oklahoma State University; Kangil Lee, Oklahoma State University; Jacob Byl, Vanderbilt Law School

The Agricultural Labor Market and Participation in U.S. Social Benefit Programs
Alexandra E. Hill, University of California, Davis; Timothy Beatty, University of California, Davis

Impact of Off-Farm Labor Supply and Government Subsidy on Korean Farmland Value
Concurrent Sessions — Tuesday, 1:00 - 2:30 PM

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

Do Off-farm Work and Remittances Alter Household Food Consumption Patterns? Evidence from Albania

**Ayuba Seidu**, University of Florida; Onel Gulcan, University of Florida; James L. Seale Jr., University of Florida; Charles B. Moss, University of Florida

Evaluating the Impacts of the 2008-2009 Great Recession on Labor Supply of Family Farm Households

**Hung-Hao Chang**, National Taiwan University

Determinants of Changes in Youth and Women Agricultural Labor Participation in Selected African Countries

**Eugenie W.H. Maiga**, Université de Koudougou

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2040 Food Safety and Nutrition

**Salon C, 4th Floor**

Selected Presentation – Lightning Session

Topics in this session range from food borne illness outbreaks in organic versus conventional markets to consumers’ willingness to pay for health-enhancing attributes in food products.

**Moderator:** Patrick W. McLaughlin, USDA-Economic Research Service

Evolution of the Food-Away-From-Home Industry: Recent and Emerging Trends

**Patrick W. McLaughlin**, USDA-Economic Research Service; Christopher W. Dicken, USDA-Economic Research Service

Where to Shop in a Desert: Shopping Behavior and Food Store Access

Timothy Beatty, University of California, Davis; **Joel Cuffey**, University of Minnesota

The Use of Food Pantries and Soup Kitchens by Low-Income Households

Craig G. Gundersen, University of Illinois at Urbana-Champaign; **Linlin Fan**, University of Illinois at Urbana-Champaign; Kathy Baylis, University of Illinois at Urbana-Champaign; Theresa DelVecchio Dys, Feeding America; Timothy A. Park, USDA-Economic Research Service; Monica Hake, Feeding America

The Value of Delegated Quality Control and Market Size with an Application to Kyrgyzstan Dairy

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

Foodborne Illness Outbreaks and Organic versus Conventional Markets: The Case of Listeriosis in Cantaloupes

**Ioana (Julia) I. Marasteanu**, Food and Drug Administration

Is My Plate Really Affordable? An Analysis of SNAP Benefits and the Actual Cost of Eating According to the Dietary Guidelines

**Kranti Mulik**, Union of Concerned Scientists; Lindsey Haynes-Maslow, Union of Concerned Scientists

Consumers' Willingness to Pay for Health-enhancing Attributes in Food Products: A Meta-analysis

**Irina S. Dolgopolova**, Technical University of Munich; Ramona Teuber, University of Copenhagen
Concurrent Sessions — Tuesday, 1:00 - 2:30 PM

2041  Food Security in Developing Countries
      Boston University, 3rd Floor

Selected Presentation
This session examines the relationship between food security and agricultural trade, input subsidies and agricultural productivity in developing countries.

Moderator: Marilyne Huchet-Bourdon, Agrocampus Ouest

The Effects of Tanzanian Maize Export Bans on Producers’ Welfare and Food Security
Wilfred Makombe, University of Florida; Jaclyn D. Kropp, University of Florida

Modelling Farm-household Level Impacts of Fertilizer Subsidy Programs on Productivity and Food Security: The Case of Ethiopia
Kamel Louhichi, Institute for Prospective Technological Studies; Laura Riesgo, Institute for Prospective Technological Studies; Sergio Gomez Y Paloma, Institute for Prospective Technological Studies

Assessing the Contribution of Agricultural Productivity to Food Security in Sub-Saharan African Countries
Kolawole Ogundari, University of Delaware; Titus O. Awokuse, Michigan State University

2042  Forest Conservation
      Hyannis, 4th Floor

Selected Presentation
This session addresses the effects of forest conservation on local communities and economies. The driving force for forest conservation is addressed from the standpoint of private and community preferences as well as large scale policy.

Moderator: Jayash Paudel, University of Massachusetts Amherst

Community-Managed Forests and Household Welfare: Empirical Evidence from Nepal
Jayash Paudel, University of Massachusetts Amherst

Public and Private Preferences for Urban Forest Ecosystem Services
José R. Soto, University of Florida; Francisco J. Escobedo, Universidad del Rosario; Damian C. Adams, University of Florida; Hayk Khachatryan, University of Florida

Modeling the Environmental Reserve Quota Market in Brazil’s Forest Legislation
Ruohong Cai, Environmental Defense Fund; Ruben Lubowski, Environmental Defense Fund; Tiago Reis, Amazon Environmental Research Institute; Marcelo Stabile, Amazon Environmental Research Institute

2043  Price Analysis and Future Markets
      Massachusetts, 5th Floor

Selected Presentation
Papers in this session examine issues related to agricultural future markets in the United States.

Moderator: Joshua D. Woodard, Cornell University

Impacts of Transportation Networks on Space-time Commodity Basis Behavior
Joshua D. Woodard, Cornell University; Peter M. Feather, USDA-Economic Research Service

A Controversial Debate Between Financial Speculation and Changes in Agricultural Commodity Spot Prices
Amilcar J.C. Serrao, University of Evora

Evaluation of Copula-based Dependence Structure in the U.S. Agricultural Future Market
Kuan-Ju Chen, Washington State University; Kuan-Heng Chen, Stevens Institute of Technology

The Value of Government Information in an Era of Declining Budgets
Michael K. Adjemian, USDA-Economic Research Service; Robert C. Johansson, USDA-Office of the Chief Economist; Andrew M. McKenzie, University of Arkansas; Michael R. Thomsen, University of Arkansas
Concurrent Sessions — Tuesday, 1:00 - 2:30 PM

2044 Social Responsibility and Resource Extraction/Use
MIT, 3rd Floor

Selected Presentation
Papers in this session address the tradeoffs that are faced with increased competition between societal concern for the environment and demand for resource extraction.

Moderator: David L. Ortega, Michigan State University

Long-term Financial Incentive of Environmental Responsibility - Socially Responsible Investing and Firm Cost of Capital
Yanbing Wang, Purdue University; Michael Delgado, Purdue University; Jin Xu, Virginia Tech

Consumer Preferences for Packaging Material and Recyclability
Kimberly Klaiman, Michigan State University; David L. Ortega, Michigan State University; Cloe Garnache, Michigan State University

The Housing Market Impacts of Wastewater Injection Induced Seismicity Risk
Haiyan Liu, University of Georgia; Susana Ferreira, University of Georgia; Brady E. Brewer, University of Georgia; Joshua Philips, University of Georgia

Angler Behavior and the Welfare Effects of Stream Restorations
Michele Baggio, University of Connecticut; Charles A. Towe, University of Connecticut

2045 Market Events in Agricultural and Food Markets
Nantucket, 4th Floor

Selected Presentation
This session focuses on analyzing the impacts of food safety and policy-related market events on livestock, crop, and food prices.

Moderator: Veronica F. Pozo, Utah State University

Disentangling Supply and Demand Shocks to Identify Changes in the Live Cattle’s Market Structure Post Livestock Mandatory Price Reporting Act
Veronica F. Pozo, Utah State University; Man-Keun Kim, Utah State University; Hernan A. Tejeda, Utah State University

The Relative Impact of StarLink and MIR162
Xue Han, University of Illinois at Urbana-Champaign; Philip Garcia, University of Illinois at Urbana-Champaign

Times Series Analysis of Peanut Butter Demand in Light of the Food Safety Issue.
Rafael Bakhtavoryan, Texas A&M University - Commerce; Oral Capps Jr., Texas A&M University; Victoria Salin, Texas A&M University

Commodity Price Bubbles and Agriculture: The Case of China
Jian Li, Huazhong Agricultural University; Jean-Paul Chavas, University of Wisconsin; Chongguang Li, Huazhong Agricultural University

2046 Issues in Developing Country Food Demand
New Hampshire, 5th Floor

Selected Presentation
Papers in this session examine topics related to food consumption, procurement, and prices in developing countries.

Moderator: Akinori Kitsuki, University of Minnesota

Seasonal Hunger: Heterogenous Impacts of Seasonal Price Changes and Credit Constraints on Seasonal Consumption Patterns in Rural Zambia
Akinori Kitsuki, University of Minnesota; Takeshi Sakurai, Hitotsubashi University

Examining Pricing Mechanics in the Poultry Value Chain - Empirical Evidence from Pakistan
Muhammad Imran Chaudhry, The Ohio State University; Ani Katchova, The Ohio State University; Mario J. Miranda, The Ohio State University

Finding Default? Understanding the Drivers of Default on Contracts with Farmers’ Organizations Under the World Food Programme Purchase for Progress Pilot
Joanna B. Upton, Cornell University; Erin C. Lentz, University of Texas
Concurrent Sessions — Tuesday, 1:00 - 2:30 PM

2047 Methodological Advancements in Experimental Economics
Northeastern, 3rd Floor

Selected Presentation
This session presents innovative results on experimental auctions and choice experiments as well as modeling including attribute non-attendance and attribute-level non-attendance.

Moderator: Gal Hochman, Rutgers University

The Effects of Allowing Substitutes on Bidding Behavior in a Private Value Experimental Auction
Ji Yong Lee, Kansas State University; John A. Fox, Kansas State University

On the Use of the BDM Mechanism in Non-hypothetical Choice Experiments
Claudia Bazzani, University of Arkansas; Rodolfo M. Nayga, University of Arkansas; Vincenzina Caputo, Korea University; Maurizio Canavari, University of Bologna; Diana Danforth, University of Arkansas

Application of Regression Discontinuity Approach in Experimental Auctions: A Case Study of Participants’ Trust and Their Willingness to Pay
Hao Li, Washington State University; Levan Elbakidze, West Virginia University

Attribute Non-attendance or Attribute-level Non-attendance? A Choice Experiment Application on Extra Virgin Olive Oil
Vincenzina Caputo, Korea University; Giovanna Sacchi, Ca’ Foscari University of Venice; Rodolfo M. Nayga, University of Arkansas; Riccardo Scarpa, Queens University - Belfast

2048 Vertical Price Transmission in Agricultural Markets
Regis, 3rd Floor

Selected Presentation
This session focuses on evaluating vertical asymmetric price transmissions in livestock and fluid milk markets.

Moderator: Shuwei Zeng, University of Wisconsin

Is There Asymmetric Price Transmission in U.S. Fluid Milk Market?
Shuwei Zeng, University of Wisconsin; Brian W. Gould, University of Wisconsin

Modelling Market Linkages along the Vertical Supply Chain: Price Transmission and Volatility Spillovers in the U.S. Pork Industry
Yanan Zheng, University of Alberta

Heterogeneous Effects of Private Label and Branded Products on Farm-Retail Price Transmission: The Case of the U.S. Fluid Milk Market
Yizao Liu, University of Connecticut; Adam N. Rabinowitz, University of Connecticut; Xuan Chen, University of Connecticut
Concurrent Sessions — Tuesday, 1:00 - 2:30 PM

### 2049 The Role of Agricultural Policies in Less Developed Countries

**Salon A, 4th Floor**

**Selected Presentation**

Agriculture plays an important role in many developing countries and the papers in this session investigate a wide range of impacts of policies intended to benefit agricultural producers.

**Moderator:** Eva-Marie Meemken, University of Goettingen

- Smallholder Preferences for the Design of Certification Schemes: Does Gender Matter?  
  **Eva-Marie Meemken**, Georg-August-Universität Göttingen; Prakashan Chellattan Veettil, International Rice Research Institute (IRRI); Matin Qaim, Georg-August-Universität Göttingen

- Farm Input Subsidies and the Adoption of Natural Resource Management Technologies  
  **Stefan Koppmair**, Georg-August-Universität Göttingen; Menale Kassie, International Centre of Insect Physiology and Ecology; Matin Qaim, Georg-August-Universität Göttingen

- The Effect of China's Pork Reserve Program on Pork Price Volatility  
  **Yi Yu**, Nanjing Agricultural University; David Brian Willis, Clemson University

- Impact of Microcredit on Small-Farm Agricultural Production: Evidence from Brazil  
  **Alexandre Gori-Maia**, State University of Campinas; Gabriela Santos Eusebio, State University of Campinas; Rodrigo L. F. Silveira, State University of Campinas

### 2050 Farm Households and Technology Adoption

**Salon D, 4th Floor**

**Selected Presentation**

This session examines issues of technology adoption among farm households in developing countries.

**Moderator:** Kajal Gulati, University of California, Davis

- Who's The Boss? Preference Heterogeneity, Bargaining, and Intrahousehold Valuation of an Agricultural Technology in Bihar, India  
  **Kajal Gulati**, University of California, Davis; Patrick S. Ward, International Food Policy Research Institute; Travis J. Lybbert, University of California, Davis; David J. Spielman, International Food Policy Research Institute

- Off-Farm Labor Supply Effects of Farm Mechanization: Evidence from a Panel Survey from Bangladesh  
  **Md Mansur Ahmed**, North Carolina State University; Barry K. Goodwin, North Carolina State University

- Farmer Heterogeneity and Fifferential Livelihood Impacts of Oil Palm Expansion among Smallholders in Sumatra, Indonesia  
  **Vijesh V. Krishna**, Georg-August-Universität Göttingen; Michael Euler, Georg-August-Universität Göttingen; Hermanto Siregar, Bogor Agricultural University, Indonesia; Matin Qaim, Georg-August-Universität Göttingen

- Ex-post Livestock Diseases and Pastoralist's Averting Decision in Tanzania  
  **Mazbahul Ahamad**, University of Nebraska-Lincoln; Christopher R. Gustafson, University of Nebraska-Lincoln; Elizabeth VanWormer, University of Nebraska-Lincoln
Concurrent Sessions — Tuesday, 1:00 - 2:30 PM

2051  Upstream Market Structure and Competition
Salon H, 4th Floor

Selected Presentation
This session explores issues related to market structure in upstream markets. Three papers focus on agricultural markets and one paper on electricity generation.

Moderator: Cornelia Ilin, University of Wisconsin

The Effect of Competition on Price Dispersion: Evidence from the U.S. Corn Seed Industry
Cornelia Ilin, University of Wisconsin; Guanming Shi, University of Wisconsin

A Theoretical Analysis of Multiproduct Mergers: Application in the Major Meat Sectors
Benjamin L. Sanderson, Mississippi State University; Kalyn T. Coatney, Mississippi State University; Bryon J. Parman, Mississippi State University; Jesse B. Tack, Mississippi State University

A New Approach to Identify Market Power along Agri-food Supply Chains – The German Dairy Supply Chain
Aaron Grau, Leibniz Institute of Agricultural Development in Transition Economies (IAMO); Heinrich Hockmann, Leibniz Institute of Agricultural Development in Transition Economies (IAMO)

An Effect of Vertical Integration for Non-Vertically Integrated Firms: An Analysis of Electric Distribution Cooperatives
Brent M. Hueth, University of Wisconsin; Heesun Jang, University of Wisconsin

2052  Getting Over Hurdles with Limited Dependent Variables
Salon I, 4th Floor

Selected Presentation
Limited dependent variables techniques are widely used throughout all areas of applied research. This collection of papers addresses aspects of reliability and implementation.

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

The Order of Variables, Simulation Noise and Accuracy of Mixed Logit Estimates.
Marco A. Palma, Texas A&M University; Yajuan Li, Texas A&M University; Dmitry Vedenov, Texas A&M University; David A. Bessler, Texas A&M University

Developing Consistent Estimates of Marginal Effects in a Simultaneous Equation Model with Limited Dependent Variables
Joseph A. Atwood, Montana State University; Alison Joglekar, University of Minnesota; Vincent H. Smith, Montana State University

On the Evaluation of Probability Forecasts: An Application to Discrete Choice Models
Senarath Dharmasena, Texas A&M University; David A. Bessler, Texas A&M University; Oral Capps Jr., Texas A&M University

Estimating Latent Variable Models under the Presence of Heteroscedasticity When the Latent Variable is Observable
James K. Binkley, Purdue University; Luis M. Pena-Levano, Purdue University

2053  Conflict and Economic
Salon J, 4th Floor

Selected Presentation
Papers in this session cover issues related to civil conflict and development with a particular focus on foreign aid, slave trading, and rural infrastructure.

Moderator: Yu Zhang, Texas A&M University

How Wealth of Nations Interact with Aid and Peace: A Time and Country Variant Analysis
Shahriar Kibriya, Conflict and Development Center; Yu Zhang, Texas A&M University; David A. Bessler, Texas A&M University; Edwin C. Price, Texas A&M University

The Impact of a Rural Road Development Project on Multidimensional Poverty in Nepal
José R. Bucheli, University of New Mexico; Alok Bohara, University of New Mexico; Kira M. Villa, University of New Mexico

The Impact of Slave Trade on Current Civil Conflict in Sub-Saharan Africa
Yu Zhang, Texas A&M University; Shahriar Kibriya, Conflict and Development Center
**Concurrent Sessions — Tuesday, 1:00 - 2:30 PM**

### 2054 The Impact of Tariffs and Non-Tariff Barriers to Trade
*Salon K, 4th Floor*

**Selected Presentation**
Understanding the impact of tariffs and non-tariff barriers are important for a more informed policy debate. These papers take a closer look at these barriers in the context of agricultural trade flows.

**Moderator:** Byung Min Soon, University of Missouri

Measuring Non-Tariff Barriers by Combining Cointegration Tests and Simulation Models with an Application to Russian Chicken Imports  
*Byung Min Soon*, University of Missouri; Wyatt Thompson, University of Missouri

Does Tariff Reduction Have a Positive Effect on the World's Grain Self-Sufficiency?  
*Byeong-il Ahn*, Korea University; Younghyeon Jeon, Korea Rural Economic Institute

China's Agricultural Exports and Their Effects on Other Exporters  
*Huong T. Nguyen*, Deakin University, Australia

China's Emerging Dairy Markets and Impacts on U.S. Alfalfa and Dairy Product Exports  
*Qingbin Wang*, University of Vermont; James M. Hansen, USDA-Economic Research Service; Xu Fang, Southwestern University of Finance and Economics; Hao Cui, University of Vermont

### 2055 Economic Policy and Natural Hazards
*Simmons, 3rd Floor*

**Selected Presentation**
Papers in this section use novel economic and econometric techniques to evaluate the impacts of natural disaster and climate change on economic outcomes.

**Moderator:** Mona Ahmadiani, University of Georgia

Defending the Shoreline: A Duration Model of Beach Re-Nourishment  
*Yun Qiu*, The Ohio State University; Sathya Gopalakrishnan, The Ohio State University

Well-being Effects of Extreme Weather Events in the U.S.  
*Mona Abmadiani*, University of Georgia; Susana Ferreira, University of Georgia

Market Response to Flood Risk: A Matching Study of Farmland Values Using Boundary Discontinuities  
*Haoying Wang*, Cornell University

Temperature and U.S. Economic Activity: Evidence from Disaggregated Data  
*Ding Du*, Northern Arizona University; Xiaobing Zhao, Northern Arizona University

### 2056 Producers' Risk Preferences and Perceptions
*St. Botolph, 2nd Floor*

**Selected Presentation**
This session focuses on producers' risk preferences and producers' risk perceptions, discussing new ideas on elicitation procedures and empirical applications.

**Moderator:** Gaurav Arora, Iowa State University

Risk Aversion and Inconsistencies: Does the Choice of Risk Elicitation Task and Display Format Influence the Outcomes?  
*Golo Bauermeister*, Georg-August-Universität Göttingen; Oliver Musshoff, Georg-August-Universität Göttingen

Role of Farmer's Risk Attitude in the Relationship Between Trust and Contract Decision: The Fresh Apple Market in South Korea  
*Kyeong Ah Ahn*, Seoul National University; Young-Chan Choe, Seoul National University

Producers' Perceptions of Risk of Intensified Conservation Practices on-Farm  
*Steven Ramsey*, Kansas State University; Jason S. Bergtold, Kansas State University; Elizabeth Canales Medina, Roll Global LLC

Can Stated Risk Preferences Accurately Reflect True Risk Preferences?  
*Sankalp Sharma*, University of Nebraska-Lincoln; Karina Schoengold, University of Nebraska-Lincoln
Concurrent Sessions — Tuesday, 1:00 - 2:30 PM

2057  Teaching Evaluation Methods
      Suffolk, 3rd Floor

Selected Presentation
This session will focus on teaching evaluation methods in the classroom and in the field.

Moderator: Elizabeth A. Yeager, Kansas State University

Academic, Demographic and Spatial Factors in the Classroom Affecting Student Performance in Principles of Agricultural Economics Courses
Jason S. Bergtold, Kansas State University; Elizabeth A. Yeager, Kansas State University

Quest- A Virtual Faculty Teaching Community
Siny Joseph, Kansas State University; Jung Oh, Kansas State University; Patricia Ackerman, Kansas State University

Reshaped for High-Level Learning: Student Outcomes in the Redesign of an Undergraduate Macroeconomics Course
Lawrence P. DeBoer, Purdue University; David Nelson, Purdue University; Angelika N. Zissimopoulos, Purdue University; Anna Josephson, Purdue University

2058  Applied Environment and Natural Resource Valuation: Water
      Tremont, 1st Floor

Selected Presentation
Papers in this session estimate values of water quality, quantity, and damages utilizing various valuation methodologies.

Moderator: Wendong Zhang, Iowa State University

Valuing Complementarity between Environmental Goods and Housing Attributes with the Benefit Function: An Application to Flood Hazards
Yau-Huo Shyr, The Pennsylvania State University; Katherine Y. Zipp, The Pennsylvania State University

Combining Revealed and Stated Preferences to Value Water Quality at Great Lakes Beaches
Li Cheng, Michigan State University; Frank Lupi, Michigan State University

Estimating the Capitalization Effects of Harmful Algal Bloom Incidence, Intensity and Duration? A Repeated Sales Model of Lake Erie Lakefront Property Values
Aneil Baron, The Ohio State University; Wendong Zhang, Iowa State University; Elena G. Irwin, The Ohio State University

Water-based Recreation and Water Quality Indices: A Revealed Preference Approach
Yongjie Ji, Iowa State University; David A. Keisier, Iowa State University

2059  Economics of Water Use in Agriculture
      Tufts, 3rd Floor

Selected Presentation
Papers in this session examine the economics of water in agriculture.

Moderator: Farzad Taheripour, Purdue University

Economic and Land Use Impacts of Improving Water Use Efficiency in South Asia
Farzad Taheripour, Purdue University; Thomas W. Hertel, Purdue University; Sebnem Sahin, World Bank

Well Capacity and the Gains from Coordination in a Spatially Explicit Aquifer: An Application to Groundwater Management Districts in Colorado
Jordan F. Suter, Colorado State University; Robert A. Hrozencik, Colorado State University

Retiring Land to Conserve Water: Evidence from Colorado and Nebraska
Randall G. Monger, Colorado State University; Jordan F. Suter, Colorado State University; Dale Manning, Colorado State University; Joel Schneekloth, Colorado State University
Concurrent Sessions — Tuesday, 1:00 - 2:30 PM

2060 Agricultural Water Use Efficiency
Vermont, 5th Floor

Selected Presentation
This session consists of four papers related to water use efficiency in agriculture.

Moderator: Maria Vrachioli, University of Florida

Agricultural Water Productivity under Spatial Adjustments
Maria Vrachioli, University of Florida; Spiro E. Stefanou, University of Florida

Determining Water use Efficiency for Wheat and Cotton: A Meta-analysis
Yubing Fan, University of Missouri; Chenggang Wang, Texas Tech University; Zhibiao Nan, Lanzhou University, China

Rebound Effect of Irrigation Technologies: The Role of Water Rights
Haoyang Li, Michigan State University; Jinhua Zhao, Michigan State University

Eric Njuki, University of Connecticut; Boris E. Bravo-Ureta, University of Connecticut

2061 The Efficacy of the Supplemental Nutrition Assistance Program (SNAP)
Vineyard, 4th Floor

Selected Presentation
The Supplemental Nutrition Assistance Program (SNAP) is designed to reduce food insecurity in the United States. This session discusses the effectiveness of SNAP in reducing food insecurity in a variety of ways.

Moderator: Jeffrey J. Reimer, Oregon State University

Effects of the Supplemental Nutrition Assistance Program on Rural and Urban Areas in Oregon
Senal A. Weerasooriya, Oregon State University; Jeffrey J. Reimer, Oregon State University

Do Personal Attitudes About Welfare Influence Food Stamp Participation?
Roshini Brizmohun, Auburn University; Patricia A. Duffy, Auburn University

Price Variation Over the SNAP Benefit Cycle
Timothy Beatty, University of California, Davis; Xinzhe H. Cheng, University of California, Davis

Do Grocery Taxes Cause Food Insecurity?
Norbert L.W. Wilson, Auburn University; Yuqing Zheng, University of Kentucky; Harry M. Kaiser, Cornell University; Shaheer Burney, University of Kentucky

2062 Food Demand Studies in Asia
Wellesley, 3rd Floor

Selected Presentation
These presentations explore food consumption and preferences in China and South Korea.

Moderator: Jinhyeung Kim, Seoul National University

A Study on Consumer Characteristics of Processed Rice and Meat Products on Food-related Lifestyles using Beta Regression Model
Jinhyeung Kim, Seoul National University; Young-Chan Choe, Seoul National University

The Consumption Pattern of Convenience Food: A Comparison of Different Income Levels in South Korea
Yeseul Hwang, Seoul National University; Young-Chan Choe, Seoul National University

Societal Context and its Impact on Demand for New Products: The Case of Grapefruit in South Korea
Hyeyoung Kim, University of Florida; Lisa A. House, University of Florida

Consumer Preference for Supermarket Food Sampling in China
Lijun Chen, University of Missouri
Concurrent Sessions — Tuesday, 1:00 - 2:30 PM

2063 Agricultural R&D and Science Policy
Yarmouth, 4th Floor

Selected Presentation
Presentations in this session analyze science policy impacts by examining knowledge spillovers and agricultural, environmental, and firm innovation.

Moderator: Yoo Hwan Lee, Colorado State University

Innovation and Firm Productivity: Evidence from the U.S. Patent Data
Jingbo Cui, Wuhan University; Xiaogang Li, Iowa State University

Academic Knowledge Spillovers and the Role of Geographic Proximity and Network in Regional Agriculture-related Sectors
Yoo Hwan Lee, Colorado State University; Gregory D. Graff, Colorado State University

Promoting Environmental Innovation: R&D Subsidies and Carbon taxes
Matthew S. Clancy, USDA-Economic Research Service; GianCarlo Moschini, Iowa State University

2064 Applications of Financial Engineering in Agriculture
Berkeley, 3rd Floor

Track Session – AFM and ARA Sections
Motivation: Financial engineering uses mathematical methods to generate new financial products for pricing assets and hedging risk. Financial engineering is now being used in agriculture as a means to provide more effective risk management by tailoring contracts to the specific risk preferences of firms. While agribusiness firms have used financial engineering techniques and financial engineering products have been offered to farmers, the methods underlying these products have largely been ignored in academic circles. Presenters in this session will provide three applications of financial engineering to agriculture in order to introduce the audience to these methods. The final presenter will speak to the general nature of financial engineering and its relationship to agricultural economics.

Organizer: Eric Belasco, Montana State University

When Does Sophisticated Hedging Help?
Gabriel Power, Laval University; Dmitry Vedenov, Texas A&M University; Pan Liu, Texas A&M University

Grain Marketing with Upside Contracts
Eric Belasco, Montana State University; Joseph A. Atwood, Montana State University

Financial Engineering and Agricultural Insurance
Hirbod Assa, University of Liverpool

Financial Engineering and the Securitization of Biomedical Research
Roger Stein, Massachusetts Institute of Technology
Concurrent Sessions — Tuesday, 1:00 - 2:30 PM

2065  Gender and Generation: Intrahousehold Perspectives on Technology Adoption in the West Africa Sahel
Brandeis, 3rd Floor

Track Session – International Section
This session brings together innovative research on intrahousehold technology adoption in the West African Sahel, with special focus on gender and generations. Especially, this session explores: 1) the nature of linkages between fertilizer use decisions on collective and individual maize plots in Burkina Faso, 2) the gender and intra-generational differences in fertilizer adoption on cereals in the Sudanian Savanna of Mali, 3) the effects of both organic and inorganic fertilizer use on cereals on a wide range of welfare outcomes (i.e., yields, diet diversity) in the West African Sahel, and 4) the gender differences in herbicide adoption in the high productive sorghum zone in Mali. The results offer critical perspectives on the intrahousehold adoption of agricultural technology, and contribute to the discussion on how to design and implement more comprehensive and inclusive policies in order to stimulate agricultural productivity.

Organizer: Veronique Theriault, Michigan State University

Discussants: Timothy J. Dalton, Kansas State University; Catherine Larochelle, Virginia Tech

Intensification and Intra-Household Decisions: Fertilizer Adoption on Collective and Individual Fields in Burkina Faso
Melinda Smale, Michigan State University

Gender, Generation and Agricultural Intensification: A Case of Two Cereals in the Sudanian Savanna of Mali
Alpha O. Kergna, Veronique Theriault, Michigan State University

Effects of Organic and Inorganic Fertilizer Use on (Intra) Households Welfare in Burkina Faso
Hamza Haider, Michigan State University

Gender Differences in Herbicide Adoption in the High Productive Sorghum Zone in Mali
Steven Haggblade, Michigan State University

2066  Marketing Sustainability: Consumer Interest in Sustainability and Health Attributes on Food and Beverage Products
Clarendon, 3rd Floor

Track Session – FAMPS and FSN Sections
This session is focused on examining consumer demand for sustainability and health-related credence attributes of food and beverage products and implications for producers and food markets. Two of these presentations will discuss how sensory evaluations of food products can be linked to choice experiments in order to understand how willingness to pay for environmental attributes is influenced by consumer perceptions of quality. In the second half of this session results from two studies using retail scanner data from U.S. and UK will show how consumer purchasing behavior influences prices and firm behavior. More detailed abstracts for each presentation are attached below.

Organizers: Rebecca L. Boehm, Tufts University; Sean B. Cash, Tufts University

Climate Change and Consumer Food Choices: Linking a Choice Experiment and Product Sensory Evaluation to Elicit Consumer Interest in Carbon Footprint Mitigation, Seasonality, and Climate-driven Quality Changes
Rebecca L. Boehm, Tufts University; Sean B. Cash, Tufts University; Amanda Kowsalsick, Tufts University; Nicole Kfoury, Tufts University; Tim Griffin, Tufts University; Albert Robbat Jr., Tufts University; Richard Stepp, University of Florida; Selena Ahmed, Montana State University; Colin M. Orians, Tufts University

Effect of Quality Attributes and Local Label on Consumer Purchase and Repurchase of Fresh Produce: An Application of Sensory Evaluation and Auctions for Fresh Strawberries
Chenyi He, University of Florida; Zhifeng Gao, University of Florida; Charles Sims, University of Florida; Lisa A. House, University of Florida; Zhengfei Guan, University of Florida

Voluntary Non-GMO Food Labeling: Consumer WTP and Firm Behavior
Aaron A. Adalja, University of Maryland

The Demand for Sustainable Food Attributes: The Case of the British Egg Market
Diogo M. Souza Monteiro, Newcastle University; Luca A. Panzone, Newcastle University
Concurrent Sessions — Tuesday, 1:00 - 2:30 PM

2067  Statistical Approaches for Addressing Data-Driven Concerns Regarding the Rating of Crop Insurance
      Dartmouth, 3rd Floor

Track Session – Econometrics Section
It is widely recognized that dependence between individual sources of risk plays an important role in pricing insurance coverage. In addition, research focused on crop insurance is often plagued by a paucity of data from which premium rates can be estimated. Other pertinent issues include the identification of systemic risk and spatial basis risk, which are detrimental to the supply of and demand for index based insurance. This session will explore each of these issues with a focus on the statistical techniques being used to address them.

Organizer: Jesse B. Tack, Mississippi State University
Moderator: Jesse B. Tack, Mississippi State University

Accounting for Dependence in the Federal Crop Insurance Program
Barry K. Goodwin, North Carolina State University

Using Extraneous Data to Rate Crop Insurance Contracts: Issues of Correlation and Consistency
Alan P. Ker, University of Guelph

Modeling Systemic Risk and Spatial Basis Risk in Index-Based Insurance
Martin Odening, Humboldt University Berlin; Zhiwei Shen, Humboldt-Universität zu Berlin

2068  Transformations in Food Systems: Opportunities and Challenges for Alternative Food Systems
      Exeter, 3rd Floor

Track Session – CRENET and China Sections – Lightning Session
In order to feed the increasing urban population alternative food production systems need to be identified and implemented. Among those are Community Supported Agriculture (CSA) and other urban farming systems. This session aims to highlight opportunities and challenges of these food production systems along the supply chain. In particular, the presentations will focus on consumers' perception of urban farming, and their acceptance of and willingness to pay for produce grown in a vertical farm production system. The impacts of CSA program participation on consumer attitudes and behaviors related to food consumption and preparation are discussed. Teaching Gardens that provide school children with opportunities to learn about food and nutrition while planting, maintaining, harvesting, and preparing produce from their school garden are analyzed. Presenters examine whether subsidizing the cost of CSAs, integrated with tailored education increases produce consumption and improves overall diet quality. Finally, this session provides a discussion on the emerging marketing and business strategies in the CSA sector, with a focus on multi-farm operations. Specifically, the impact of these innovations on firm and producer-level profitability are evaluated and prospects for the future evolution of the sector are assessed.

Organizer: Carola Grebitus, Arizona State University
Moderator: Dawn D. Thilmany McFadden, Colorado State University

Consumer Perception of Urban Agriculture
Carola Grebitus, Arizona State University; Antonios Printezis, Arizona State University; Iryna Printezis, Arizona State University

Consumer Acceptance of Alternative Production Systems: The Case of Vertical Farming
Bradford Coyle, University of Illinois at Urbana-Champaign; Brenna Ellison, University of Illinois at Urbana-Champaign

CSA Programs and Dietary Behavioral Change
Kynda R. Curtis, Utah State University; Karin Allen, Utah State University; Ruby A. Ward, Utah State University

Impacts of the American Heart Association Teaching Gardens Program on Fruit and Vegetable Consumption: A National Study
Erin Roche, University of Vermont; Jane M. Kolodinsky, University of Vermont; Rachel Johnson, University of Vermont

Economic Contribution and Potential Impact of Farm to School Programs in Vermont
Florence Becot, University of Vermont; Erin Roche, University of Vermont; Jane Kolodinsky, University of Vermont

Cost-offset CSAs: Working Toward Better Nutrition for Resource Challenged Families and Better Livelihoods for Farmers
Jane Kolodinsky, University of Vermont; Rebecca Sequin, Cornell University; Stephanie Bell Jilcott, Eastern Carolina University; Marilyn Sitaker, Battelle Memorial Institute

The Changing CSA Strategic Business Model
Debra Tropp, USDA-Agricultural Marketing Service; Timothy Woods, University of Kentucky

The Promise of Urban Agriculture: National Study of Commercial Farming in Urban Areas
Samantha Schaffstall, USDA-Agricultural Marketing Service; Anu Rangarajan, Cornell University
Concurrent Sessions — Tuesday, 1:00 - 2:30 PM

2069 Agricultural Data Linkages for Research and Policy Illumination
Fairfield, 3rd Floor

Track Session – Senior Section
This session provides an opportunity for broad input from AAEA members on what agricultural data linkages would be most useful to research and analysis and how they can be achieved. Speakers will summarize agricultural data linkage priorities identified at a small, invited Workshop, report on successful linkages achieved and the policy insights that have arisen from their use in analysis, demonstrate the value of using administrative data to illuminate program and policy issues, and discuss the feasibility of potentially gainful linkages. The discussion portion of the session focuses on exploring specific actions that could be taken by individual researchers or by institutions to open up opportunities for data linkage across federal agencies that have agriculturally-related survey and administrative data. The speakers bring to the table the views of statistical agencies and academics from within and outside food and agriculture.

Organizer: Katherine R. Smith, Council of Professional Associations on Federal Statistics
Moderator: Katherine R. Smith, Council of Professional Associations on Federal Statistics
Discussant: Mary E. Bohman, USDA-Economic Research Service

Opportunities for Linking Household Statistics from the U.S. Census Bureau with Statistics from the Agricultural Resource Management Survey (ARMS)
James M. MacDonald, USDA-Economic Research Service; Lucia Foster, Census Bureau

Using Census and IRS Data to Define and Describe Non-Farm Activities in the U.S. Food and Agriculture Supply Chain
Brent M. Hueth, University of Wisconsin; Richard Dunn, University of Connecticut

Utilizing Farmland and Financial Transactions Data to Better Understand Agricultural Structure and Performance
Bruce J. Sherrick, University of Illinois at Urbana-Champaign

Linking Spatial and Agricultural Program Data
Patrick Flanagan, USDA-Natural Resources Conservation Service; Vincent E. Breneman, USDA-Economic Research Service

2070 Extension Section Livestock Outlook
Harvard, 3rd Floor

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

Organizer: Jeremy Ross Pruitt, University of Tennessee at Martin
Discussant: Jeremy Ross Pruitt, University of Tennessee at Martin

Cattle and Beef Outlook
Kathleen R. Brooks, University of Nebraska-Lincoln

Hogs and Pork Outlook
Brenda L. Boetel, University of Wisconsin-River Falls

Dairy Outlook
John C. Newton, National Milk Producers Federation
Emerging Issues in Rural China: Health Insurance, Children Education, Children Nutrition, and Decision Behavior

Provincetown, 4th Floor

Track Session – China Section – Lightning Session

China’s rural economics and labor resources issues continues to draw attentions from the public and researchers. Eight papers are selected to address different aspects that a typical rural household would face in practice. The first paper examined the impact of a public health insurance program and found that it did not in fact improve health outcomes, but increased the use of preventative health services in the short term. The followed three papers discussed the issues of rural children's education, cognition, nutrition, and the relationships among them using continuing tracking surveys about left-behind children and infant and caregivers. The rest four papers discussed other decision making issues and decision behavior patterns of the rural households, including whether take off-farm employment, whether choose online shopping, whether adopt of agricultural machinery service and production systems.

Organizer: Guzhen Zhou, Jiangxi University of Finance and Economics

Moderator: Songqing Jin, Michigan State University

Heterogeneous Effects of Health Insurance Coverage on Health Service Utilization and Health in Rural China
Yiqiu Wang, Nanjing Agricultural University; Maria Porter, Michigan State University; Songqing Jin, Michigan State University

Effect of Parental Migration on the Left Behind Children's the Academic Performance: Evidence from Rural China
Chengfang Liu, Peking University; Yu Bai, Chinese Academy of Sciences; Linxiu Zhang, CCAP; Yaojiang Shi, Shaanxi Normal University; Di Mo, Stanford University; Scott D. Rozelle, Stanford University

Effect of Deworming on Indices of Health, Cognition, and Education among Schoolchildren in Rural China: A Cluster-randomized Controlled Trial
Linxiu Zhang, CCAP; Chengfang Liu, Peking University; Louis Lu, Stanford University; Renfu Luo, Peking University; Sean Y. Sylvia, University of Maryland; Alexis Medina, Stanford University; Scott D. Rozelle, Stanford University; Yingdan Che, Chinese Center for Disease Control and Prevention; Tingjun Zhu, Chinese Center for Disease Control and Prevention

Nourishing the Future: Targeting Infants and Their Caregivers to Reduce Malnutrition in Rural China
Renfu Luo, Peking University; Linxiu Zhang, Center for Chinese Agricultural Policy; Ai Yue, Shaanxi Normal University; Yaojiang Shi, Shaanxi Normal University; Huan Zhou, Sichuang University; Sean Sylvia, Remin University of China; Alexis Medina, Stanford University; Scott Rozelle, Stanford University

Assessing Off-farm Employment Decisions of Rural Households in China
Xuan Chen, University of Maine; Jing Chen, University of Maine; Chien-Yu, Huang, Southwestern University of Finance and Economics

Chinese Rural Consumers' Online Shopping
Hua Zhong, University of Kentucky; Ping Qing, Huazhong Agricultural University; Wuyang Hu, University of Kentucky

The Relationship Between Household Endowments of Labor and Land and the Adoption of Agricultural Machinery Service in Rural China
Yating Zeng, The State University of New Jersey; Yanhong Jin, The State University of New Jersey; Zhong Tang, The State University of New Jersey

Investigating the “One Farm Household, Two Production Systems” for Rural Farmers in China
Man Zhang, Rutgers University; Yanhong Jin, Rutgers University; Fengtian Zheng, Renmin University of China
Supplemental Nutrition Assistance Program (SNAP)
Maine, 5th Floor

Selected Presentation
The U.S. government offers nutrition assistance to millions of eligible, low income individuals and families through the Supplemental Nutrition Assistance Program (SNAP). This session includes four papers that analyze SNAP.

Moderator: Lisa Mancino, USDA-Economic Research Service

Who Benefits Most from SNAP?
Christian A. Gregory, USDA-Economic Research Service; Partha Deb, Hunter College
How do SNAP Participation, Food Access and Food Prices Affect Nutritional Quality of Food Purchases? An Analysis of Food APS Data
Do SNAP Recipients Get the Best Prices?
Raymond March, Texas Tech University; Carlos E. Carpio, Texas Tech University; Tullaya Boonsaeng, Texas Tech University; Conrad P. Lyford, Texas Tech University
Incorporating Time Costs into SNAP Allotment Calculation: A Home Food Production Time Use Analysis
Wen You, Virginia Tech; George C. Davis, Virginia Tech
Concurrent Sessions — Tuesday, 2:45 - 4:15 PM

2073  Frontiers of Data Science in Agricultural, Environmental, Natural Resource, and Applied Economics
Boynton, 1st Floor

Invited Paper
Increased availability of high resolution biophysical, demographic, and economic data, coupled with dramatic increases in storage and computational capacities, are creating exciting new opportunities for data-driven scientific discovery. Adoption of state-of-the-art data-analytic tools and methods by social and biophysical scientists, and incorporation of behavioral, socioeconomic, and biophysical structure by computational scientists in “Big Data” statistical models, represent critical bottlenecks for advancing data-driven discovery. This session will explore current issues related to data-analytic platforms and methods, institutional partnerships, and prospects for applied economics researchers.

Organizer: Joshua D. Woodard, Cornell University

Discussants: Katherine R. Smith, Council of Professional Associations on Federal Statistics; Thomas W. Sproul, University of Rhode Island

Data Science and Open Data Platforms in Agricultural and Applied Economics

Joshua D. Woodard, Cornell University

Food and Agricultural Industries: Opportunities for Improving Measurement and Reporting

Brent M. Hueth, University of Wisconsin; Richard Dunn, University of Connecticut

2074  Everything You Always Wanted to Know About Identification (But Were Afraid to Ask)
Arlington, 3rd Floor

Organized Symposium
The Credibility Revolution in empirical economics has brought with itself increased standards for causal identification in applied microeconomic research. The purpose of this symposium is to provide some practical insight into identification in agricultural and applied economics. The symposium brings together journal editors, well-respected practitioners, and applied econometricians to discuss the increased standards for identification in modern research, the demands which the Credibility Revolution places upon researchers seeking to publish their work, and answering questions from the floor.

Organizer: Jeffrey D. Michler, Purdue University
Moderator: Jeffrey D. Michler, Purdue University

Panelists: Marc F. Bellemare, University of Minnesota; Michael Delgado, Purdue University; Travis J. Lybbert, University of California, Davis; Agnes R. Quisumbing, International Food Policy Research Institute

2075  Measuring Food and Nutrition Security: FSIN’s Independent Assessment of Indicators
Provincetown, 4th Floor

Organized Symposium
This session addresses the methods used by global, national and local organizations to measure food security and nutrition, building on an independent assessment of 140 prevailing indicators conducted by a Technical Working Group convened by the Food Security Information Network. The TWG’s final report, in the form of a User’s Guide to the available indicators, is available on the FSIN website here: http://www.fsincop.net/topics/fns-measurement.

Organizer: Uma Lele, Independent Scholar

Panelists: Gero Carleto, World Bank; Josef Georg Schmidhuber, Food and Agriculture Organization of the United Nations; Maximo Torero, International Food Policy Research Institute
Concurrent Sessions — Tuesday, 2:45 - 4:15 PM

2076 Technology Assessment and Adoption
Salon B, 4th Floor

Selected Presentation – Lightning Session
Presentations evaluate country and commodity specific cases of agricultural productivity and new technology adoption.

Moderator: Poornima Varma, Indian Institute of Management

Climate, Shocks, Weather, and Maize Intensification Decisions in Rural Kenya
Martina Bozzola, Graduate Institute of International and Development Studies; Melinda Smale, Michigan State University; Salvatore Di Falco, University of Geneva

Exploring the Role of Legume Crops in the Agriculture, Nutrition and Food Security Nexus: Evidence from Zambia
Christine M. Sauer, Michigan State University; Mywish K. Maredia, Michigan State University; Nicole M. Mason, Michigan State University

How Efficient Is Maize Production among Smallholder Farmers in Zimbabwe?
Douglas Mugabe, West Virginia University; Xiaoli L. Etienne, West Virginia University

Women’s Participation in Agriculture and Gender Productivity Gap: The Case of Coffee Farmers in Southern Colombia and Northern Ecuador
Jorge Jair Avila-Santamaria, University of Florida; Maria P. Useche, University of Florida

Agricultural Technology Adoption Under Multiple Constraints: An Analysis of the System of Rice Intensification (SRI) in India.
Poornima Varma, Indian Institute of Management

Into the Weeds: A Structural Model of Herbicide Demand and Glyphosate Resistance on U.S. Corn Farms
Seth J. Wechsler, USDA-Economic Research Service; Jonathan McFadden, USDA-Economic Research Service; David J. Smith, University of Minnesota

2077 The Lightning Strikes: Agricultural, Regulatory, and Resource Policy
Salon C, 4th Floor

Selected Presentation – Lightning Session
This lightning round session provides new insights into current issues related to agricultural and resources regulations and policies.

Moderator: Fanny Moffette, University of Wisconsin

Consequences of Protected Areas for Forest Extraction and Human Well-Being: Evidence from Nepal
Aparna Howlader, University of Illinois at Urbana-Champaign; Amy W. Ando, University of Illinois at Urbana-Champaign

Firm Structure, Environmental Regulation and Plant Death
Jingbo Cui, Wuhan University; GianCarlo Moschini, Iowa State University; Harvey E. Lapan, Iowa State University

Voluntary and Mandatory Regulation: Impacts of Responsible Care on OSHA Enforcement
Huan Li, Purdue University; Neha Khanna, Binghamton University

Decomposing Irrigation Water Use Changes in Equilibrium Models
Iman Haqiqi, Purdue University; Thomas W. Hertel, Purdue University

The Effectiveness of State Initiatives for Increasing the Recycling Rate in Florida
Meena Thiagarajan, University of Florida; Xiang Bi, University of Florida; John J. VanSickle, University of Florida

Irrigation Adoption, Groundwater Demand and Policy in the U.S. Corn Belt, 2040-2070
Presenter: Molly Van Dop

Authors: Molly Van Dop, Ben Graming, Juan Pablo Sesmero
Concurrent Sessions — Tuesday, 2:45 - 4:15 PM

2078  Natural Resources Use and Development
       Brandeis, 3rd Floor

Selected Presentation
Papers in this session examine issues at the intersection between the economics of natural resources use and development.

Moderator: Patrick S. Ward, International Food Policy Research Institute

Understanding Compliance in Programs Promoting Conservation Agriculture in Malawi
Patrick S. Ward, International Food Policy Research Institute; Andrew R. Bell, New York University; Klaus Droppelmann, Independent Consultant

Where to Invest in the Indus Basin Irrigation System in Pakistan to Improve Land and Water Productivity? Insights from a Hierarchical Model
Dawit K. Mekonnen, International Food Policy Research Institute; Hira Channa, Purdue University

Perceived, Measured, and Estimated Soil Fertility: Implications for Farmer Management Practices in East Africa
Julia Berazneva, Middlebury College; Linden McBride, Cornell University; Megan B. Sheahan, Precision Agriculture for Development; David T. Guerena, Cornell University

Land Use Change in Nepal and the Role of Agricultural Technologies and Input Use

2079  Peer and Social Network Influences on Consumer Purchase Decisions
       Harvard, 3rd Floor

Selected Presentation
Recognizing that decisions are not made in a bubble of isolation, this session provides behavioral insights into the influence of peers and social networks on consumer preferences and purchases.

Moderator: Di Fang, Arizona State University

De Gustibus Non Est Disputandum Revisited: The Influence of Social Networks and Health Status on Preferences for Functional Food
Christian H.C.A. Henning, University of Kiel; Nana Zubek, University of Kiel; Kai-Uwe Strelow, University of Mainz

Social Presence and Shopping Behavior: Evidence from Video Data
Nadia A. Streletskaia, Cornell University

Modeling Product Choices in a Peer Network
Di Fang, Arizona State University; Carola Grebitus, Arizona State University; Timothy J. Richards, Arizona State University

The Impact of Impulsive Behavior on Fresh Produce Purchase: Do the Shopping Companions Matter?
Xuqi Chen, University of Florida; Zhifeng Gao, University of Florida
Concurrent Sessions — Tuesday, 2:45 - 4:15 PM

2080  Agribusiness Management
Maine, 5th Floor

Selected Presentation
This session focuses on the ways in which the external environment and the firm’s core competencies affect managerial decisions and profitability in agribusiness firms.

Moderator: Michael Gunderson, Purdue University

Influence of Firm Size and Structure on Performance Management Practices
Michael A. Gunderson, Purdue University; Ryan Pearson, Purdue University

Characteristics of Hog Producers and How Those Characteristics Affect the Rate of Adoption of Technologies Used in the Hog Industry: Evidence from Hog Producers in the United States
Mario R. Carrillo, University of Minnesota-Twin Cities

The Impact of Dodd-Frank on Small Community Commercial Lenders
Brady E. Brewer, University of Georgia; Levi A. Russell, Texas A&M University

Evaluating Scale and Technical Efficiency among Farms and Ranches with a Local Market Orientation
Allison Bauman, Colorado State University; Becca B. R. Jablonski, Colorado State University; Dawn D. Thilmany McFadden, Colorado State University

2081  Economic Assessment of Non-Traditional Agricultural Production
Massachusetts, 5th Floor

Selected Presentation
The economics of alternative agricultural production systems have not been fully analyzed. Papers in this section examine the economic performance of organic cropping systems and dairy farms, as well as farming on forested land.

Moderator: Aditya R. Khanal, Tennessee State University

Are All Farms Better-off Growing Organic? An Unconditional Quantile Regression Approach
Aditya R. Khanal, Tennessee State University; Ashok K. Mishra, Arizona State University

Farmers and Their Groves: How Efficient are Farms with Forested Land?
Anna M. Klepacka, Warsaw University of Life Sciences; Cesar Revoredo-Giha, Scotland’s Agricultural College; Wojciech J. Florkowski, University of Georgia

Agronomic and Economic Performance of Soybean Following Three Previous Crops during the First Transition Year from Conventional to an Organic Cropping System
William J. Cox, Cornell University; Miguel I. Gomez, Cornell University; Samantha Kannan, Cornell University

Economic, Environmental, and Social Sustainability of New England Organic Dairy Farms
Robert L. Parsons, University of Vermont; Qingbin Wang, University of Vermont
Concurrent Sessions — Tuesday, 2:45 - 4:15 PM

2082  Consumer Valuation, Demand and Preferences
M.I.T., 3rd Floor

Selected Presentation
This session focuses on the analysis of consumer demand and valuation of the attributes in a variety of food and non-food products.

Moderator: Aaron M. Shew, University of Arkansas

Are All Biotechnologies the Same? Consumer Valuation of Non-GMO RNA Interference and GMO Bacillus Yhuringiensis for Insect Control in Rice Production in the USA, Canada, Belgium, France, and Australia
Aaron M. Shew, University of Arkansas; Francis Tsiboe, University of Arkansas; Lawton L. Nalley, University of Arkansas; Bruce L. Dixon, University of Arkansas; Diana Danforth, University of Arkansas; Rodolfo M. Nayga, University of Arkansas

Demand for Varied Fruit and Vegetable Colors from a Supermarket in Detroit, MI
Marie E. Steele, Michigan State University; Dave D. Weatherspoon, Michigan State University

Does Time Spent Preparing Food Affect Consumers’ Food Choices?
Gianna Short, University of Minnesota

Estimates of the Demand for E85 Using Stated-Preference Data off Revealed-preference Choices
Kenneth Liao, Iowa State University; Sebastien Pouliot, Iowa State University

2083  Spatial Price Relationships in the United States and World Markets
Nantucket, 4th Floor

Selected Presentation
This session examines price determination and price transmissions in major agricultural commodities, as well as barge rates.

Moderator: Md Zabid Iqbal, Iowa State University

A Simple Spatial Forecasting Model: Case Study of Mississippi Barge Rates
Brian Wetzstein, Zen-Noh Grain Corporation; Raymond J.G.M. Florax, Purdue University; Kenneth A. Foster, Purdue University; James K. Binkley, Purdue University; Michael E. Wetzstein, Purdue University

Estimating the Location of World Wheat Price Determination
Joseph Janzen, Montana State University; Michael K. Adjemian, USDA-Economic Research Service

The U.S. Role in the Price Determination of Major Agricultural Commodities
Getachew S. Nigatu, USDA-Economic Research Service; Michael K. Adjemian, USDA-Economic Research Service

Transmission of Global Commodity Prices to Domestic Producer Prices: A Comprehensive Analysis
Md Zabid Iqbal, Iowa State University; Bruce A. Babcock, Iowa State University
Concurrent Sessions — Tuesday, 2:45 - 4:15 PM

2084 On the Economics of Diets
Northeastern, 3rd Floor

Selected Presentation
A balanced diet is a key to longevity and health. This session includes four papers analyzing diets and nutrition intake.

Moderator: Sonya K. Huffman, Iowa State University

A Novel Discrete Choice Experiment to Determine the Effects of Nutrition Knowledge and Information Provision on Preferences for Dietary Supplements During Pregnancy
Lenka Malek, WCHRI; Wendy J. Umberger, University of Adelaide; Jo Zhou, University of Adelaide; Maria Makrides, Women's and Children's Health Research Institute and the University of Adelaide

Life Satisfaction and Diet: Evidence from the Russian Longitudinal Monitoring Survey
Sonya K. Huffman, Iowa State University; Marian Rizov, University of Lincoln

Ascertaining the Role of Socio-economic-demographic and Government Food Policy Related Factors on the Per Capita Intake of Dietary Fiber Derived from Consumption of Various Foods and Beverages in the United States
Mark C. Senia, Texas A&M University; Senarat Dharmasena, Texas A&M University; Oral Capps Jr., Texas A&M University

Is it Hot in Here or is it Your Food Choices? Examining the Carbon Footprint of U.S. Household Food Spending and Travel to Acquire Food and Linkages to Nutrition and Aggregate Economic Activity
Rebecca L. Boehm, Tufts University; Sean B. Cash, Tufts University; Parke E. Wilde, Tufts University; Michele L. Ver Ploeg, USDA-Economic Research Service; Christine Costello, University of Missouri

2086 Exploring the U.S. Farm Bill
Salon A, 4th Floor

Selected Presentation
This session explores a number of topics on the U.S. Farm Bill ranging from assessing potential changes in farm program participation decisions to how historical events impact the actions of farming lobbies and legislators.

Moderator: John C. Newton, National Milk Producers Federation

Rethinking Revenue: Policy Design Options for Farm Bill Commodity Programs
John C. Newton, National Milk Producers Federation; Jonathan Coppess, University of Illinois at Urbana-Champaign

General Equilibrium Analysis of the Farm Bill: SNAP versus Farm Programs
Senal A. Weerasooriya, Oregon State University; Jeffrey J. Reimer, Oregon State University

Implication of 2014 Farm Policies for Wheat Production
Jeff Luckstead, University of Arkansas; Stephen Devadoss, Texas Tech University

The Impact of Congressional Donations on Repeated Farm Bill Votes
Scott Callahan, North Carolina State University
Concurrent Sessions — Tuesday, 2:45 - 4:15 PM

2087 The Impacts of Migration on Labor Markets
Salon D, 4th Floor

Selected Presentation
The papers in this session analyze the role of migration in local and national labor markets.

Moderator: Ruben I. Rojas Valdes, University of California, Davis

Strategic Interactions in Migration Decisions in Rural Mexico
Ruben I. Rojas Valdes, University of California, Davis; C.-Y. Cynthia Lin Lawell, University of California, Davis; Edward Taylor, University of California

Examining the Labor Market Consequences of Endogenous Low-skill Migration with a Market-based Immigration Policy: A General Equilibrium Analysis
German A. Marquez Alcala, Purdue University; Thomas W. Hertel, Purdue University; Roman M. Keeney, Purdue University

Emigration, Local Labor-Markets and Labor Supply for Own Farming in Nepal
Lokendra Phadera, University of Illinois at Urbana-Champaign

2088 Emerging Issues in Agri-Food Economics: Lessons from Applied Models
Salon H, 4th Floor

Selected Presentation
This session investigates agri-food economics issues through the lens of applied modeling. Issues include monopsony power by food processors, innovation transfer in genetic engineering, generic and brand advertising, and food gleaning programs.

Moderator: Damien Rousseliere, Agrocampus Ouest

“Happy Cows” vs. “Laughing Cow”: Endogenous Market Structure under Generic and Brand Advertising
Benjamin C. Anderson, Colgate University

Innovation Led Alliances: Theory and Application to the GM Plant Industry
Damien Rousseliere, Agrocampus Ouest; Samira Rousseliere, ONIRIS; Shyama Ramani, United Nations University-Merit

An Operational Analysis of Multi-crop Food Bank Gleaning Programs
Erkut Sonmez, Boston College; Deishin Lee, Boston College; Miguel I. Gomez, Cornell University; Xiaoli Fan, Cornell University

2089 Remittances, Moral Hazard, and Storage Decisions in Developing Countries
Salon I, 4th Floor

Selected Presentation
The papers in this session investigate developing country issues related to household effects of remittances, moral hazard in group lending, and how risk and liquidity constraints affect storage decisions in developing countries.

Moderator: Vincent Amanor-Boadu, Kansas State University

Remittance Frequency, Transactions Fees and Household Impacts
Heng Zhu, University of California, Davis

Effects of Risk and Liquidity Constraints on Storage Decisions: Evidence from Maize and Legume Producers in Uganda
Oluwatoba J. Omotilewa, Purdue University; Jacob Ricker-Gilbert, Purdue University; Corinne E. Alexander, Purdue University

A Little Skin in the Microfinance Game: Reducing Moral Hazard in Joint Liability Group Lending Through a Mandatory Collateral Requirement
Jon Einar Flatnes, University of California, Davis; Michael R. Carter, University of California, Davis

The Effect of Shocks and Remittances on Household’s Vulnerability to Poverty: Evidence from Bangladesh
Yacob A. Zereyesus, Kansas State University; Francis Tsiboe, University of Arkansas; Weldensie T. Embaye, Kansas State University
Concurrent Sessions — Tuesday, 2:45 - 4:15 PM

2090  Public Goods, Market Failures, and Public Work  
       Salon J, 4th Floor

Selected Presentation
The papers in this session highlight public goods issues in developing countries, including eco-tourism, public works, market failures, and preserving the commons.

Moderator: Lisa Elliott, South Dakota State University

On the Role of Community Management in Correcting Market Failures of Rural Developing Areas: Evidence from a Randomized Field Experiment of COGES Project in Burkina Faso  
Yasuyuki Sawada, University of Tokyo; Takeshi Aida, National Graduate Research Institute for Policy Studies; Andrew S. Griffen, University of Tokyo; Harounan Kazianga, Oklahoma State University; Eiji Kozuka, Hiroshima University; Haruko Boguchi, Waseda University; Yasuyuki Todo, Waseda University

Can Ecotourism Reduce Overfishing and Alleviate Poverty in Developing Countries? A Recursive-Dynamic Local Economy-wide Perspective  
Ted E. Gilliland, University of California, Davis; James N. Sanchirico, University of California, Davis; J. Edward Taylor, University of California, Davis

Does Providing Public Works Increase Workers’ Wage Bargaining Power in Private Sectors?  
Yanan Li, Cornell University; Yanyan Liu, International Food Policy Research Institute

2092  Food and Environment  
       Simmons, 3rd Floor

Selected Presentation
This session focuses on the relationships between agricultural productions, food marketing, consumption, and environmental quality.

Moderator: Yi Li, Zhongnan University of Economics and Law

Competing Eco-Labels and Product Market Competition  
Yi Li, Zhongnan University of Economics and Law

Can Information Help Reduce Imbalanced Application of Fertilizers in India? Experimental Evidence from Bihar, India  
Ram Fishman; Avinash Kishore, International Food Policy Research Institute; Yoav Rothler, Tel Aviv University; Patrick S. Ward, International Food Policy Research Institute

The Effect of a CO2 Emissions Tax on American Diets  
Patrick N. Canning, USDA-Economic Research Service; Sarah Rehkamp, USDA-Economic Research Service

Voluntary Programs to Encourage Compliance with Refuge Regulations for Pesticide Resistance Management: Results from a Quasi-Experiment  
Zachary S. Brown, North Carolina State University
Concurrent Sessions — Tuesday, 2:45 - 4:15 PM

2093 Risk in Agricultural Decisions
St. Botolph, 2nd Floor

Selected Presentation
The presentations in this session focus on analyzing the impact of risk during the production process. Topics include technology adoption, contract provisions, water supply uncertainty, and different approaches to model farmer’s choices.

Moderator: Lisa Elliott, South Dakota State University

Bt Cotton Cultivation under Production Risk: Evidence from Pakistan
Muhammad Watto, University of Agriculture, Faisalabad; Amin William Mugera, University of Western Australia

The Roles of Risk and Honey Bee Colony Strength in Determining Pollination Contract Provisions
Brittney K. Goodrich, University of California, Davis

Irrigation, Risk Aversion, and Water Rights under Water Supply Uncertainty
Man Li, International Food Policy Research Institute; Wenchao Xu, Boise State University; Mark W. Rosegrant, International Food Policy Research Institute

U.S. Farmers’ Choices under Expected Utility Theory and Cumulative Prospect Theory
Harun Bulut, National Crop Insurance Services

2094 Energy Policy
Suffolk, 3rd Floor

Selected Presentation
This session focuses on the effects of energy policy on agricultural and energy markets and natural resources.

Moderator: Jason P H Jones, RTI International

Market Organization and Productive Efficiency: Evidence from Texas Electricity Market Redesign
Yiyuan Zhang, University of Michigan

Impacts of U.S. Production-Dependent Ethanol Policy on Agricultural Markets
Jason P H Jones, RTI International; Bruce A. McCarl, Texas A&M University

Shale Oil Production Expansion and Water-energy Nexus in North Dakota: A Decentralized Agent-based Modeling Approach
Siew Hoon Lim, North Dakota State University; Zhulu Lin, North Dakota State University; Michael Borders, North Dakota State University; Tong Lin, North Dakota State University

2095 Energy Markets and Industrial Emissions
Tufts, 3rd Floor

Selected Presentation
Papers in this session examine economic aspects and environmental impacts of different energy markets. Some also focus on policies and management options addressing industrial emissions. Presentations provide insight on the design of policies and on the role of markets, taking into account how firms may respond.

Moderator: Ling Huang, University of Connecticut

U.S. County Level Effects of Solar Energy Development
Seth Wiggins, West Virginia University

Temperature Effects are more Complex than Degrees: A Case Study on Residential Energy Consumption
Gi-Eu Lee, Michigan State University; Scott Loveridge, Michigan State University

Pollution Permits, Green Taxes, and the Environmental Poverty Trap
David M. Aadland, University of Wyoming; Sichao Wei, University of Wyoming

Industry Dynamics and the Incentives of Emission Markets
Ling Huang, University of Connecticut
Concurrent Sessions — Tuesday, 2:45 - 4:15 PM

**2096** Land Use Allocation, Farm Growth, and Production Contracts  
*Vermont, 5th Floor*

**Selected Presentation**
This session consists of papers discussing land use allocation, impacts of spatial interdependence on farm growth, and sugarcane production contracts.

**Moderator:** Ana Claudia Sant’Anna, Kansas State University

*The Impact of CRP and Crop Prices on Land Allocation: A Differential Model Panel Data Application*
*Ekaterina A. Vorotnikova*, University of Idaho; Serhat Asci, California State University, Fresno

*Direct and Indirect Spatial Interaction of Farm Growth*
Hugo Storm, Bonn of University; *Thomas Heckelei*, University of Bonn

*Analyzing Sugarcane Production Contracts in Brazil: What do the Farmers Really Want?*
*Ana Claudia Sant’Anna*, Kansas State University; Jason S. Bergtold, Kansas State University; Marcellus Caldas, Kansas State University; Gabriel Granco, Kansas State University

**2097** Agricultural Production in Less Developed Countries  
*Vineyard, 4th Floor*

**Selected Presentation**
Two papers in this session focus on agricultural production in India. The remaining two papers address issues related to agricultural production in China.

**Moderator:** Flavius Badau, USDA-Economic Research Service

*Evaluating Inefficiency in Indian Agriculture*
*Flavius Badau*, USDA-Economic Research Service; Nicholas E. Rada, USDA-Economic Research Service

*Distortions to Agricultural Incentives in India: Evidence from Agricultural Value Chains*
*Simla Tokgoz*, International Food Policy Research Institute; Fahd Majeed, International Food Policy Research Institute

*The Restructuring of Grain Production in Rural China: Regional Heterogeneity and its Reasons*
*Chunhui Ye*, Zhejiang University, China; Xuyuan Zheng, Fujian Agriculture and Forestry University; Zhigang Xu, Nanjing Agricultural University; Wei Bian, Zhejiang University, China

*Does the Adoption of Weather Tolerant Variety Contribute to Reduction in Rice Yield Loss? Panel Data Survey from Chinese Rice Farmers*
Jiehong Zhou, Management School of Zhejiang University; *Liqun Tang*, Zhejiang University; Zhen Yan, Zhejiang University

**2098** Overcoming Problems with Missing Data and Omitted Variables  
*Wellesley, 3rd Floor*

**Selected Presentation**
The papers in this session provide methods and discussion for overcoming omitted variables bias and missing data. The tools discussed in this session have wide applicability across all areas of applied economic research.

**Moderator:** Jingyu Song, Purdue University

*Down-scaling Land Use Data: Predicting Where Crops Grow at a Fine Spatial Scale*
*Jingyu Song*, Purdue University; Michael Delgado, Purdue University; Paul V. Preckel, Purdue University; Nelson B. Villoria, Kansas State University

*The Effects of Honesty Oath and Consequentiality in Choice Experiments*
*Nathan Kemper*, University of Arkansas; Jennie S. Popp, University of Arkansas; Rodolfo M. Nayga, University of Arkansas; Claudia Bazzani, University of Arkansas

*Estimating Multi-product Production Functions and Productivity Using Control Functions*
*Emir Malikov*, St. Lawrence University
Concurrent Sessions — Tuesday, 2:45 - 4:15 PM

2099 Agricultural Productivity Dynamics
Yarmouth, 4th Floor

Selected Presentation
Presentations in this session evaluate agricultural productivity growth at the national and regional level.

Moderator: Alejandro Plastina, Iowa State University

Measuring U.S. Agriculture Productivity: Primal vs. Dual Approaches
Alejandro Plastina, Iowa State University; Sergio H. Lence, Iowa State University

Evaluation of Dairy Farm Technical Efficiency: Production of Milk Components as Output Measures
Shuwei Zeng, University of Wisconsin; Brian W. Gould, University of Wisconsin; Xiaodong Du, University of Wisconsin

China’s Regional Agricultural Productivity Growth: Catching Up or Lagging Behind
Sun Ling Wang, USDA-Economic Research Service; Jikun Huang, Chinese Academy of Sciences; Xiaobing Wang, Center for Chinese Agricultural Policy, Chinese Academy of Sciences; Francis C. Tuan, World Agricultural Economic and Environmental Services

Examining the Productivity Growth of Agricultural Cooperatives
Krishna P. Pokharel, Kansas State University; Allen M. Featherstone, Kansas State University

2100 Alternative Methods in Valuing the Environment
Boston University, 3rd Floor

Selected Presentation
The papers in this session present alternative methodologies for valuing the environment and natural resources.

Moderator: Richard T. Melstrom, Oklahoma State University

Two-Stage Estimation in RUM Models of Recreation Demand
Richard T. Melstrom, Oklahoma State University; Deshamithra H. W. Jayasekera, Oklahoma State University

Valuing Natural Resources Allocated by Dynamic Lottery
Carson Reeling, Western Michigan University; Valentin Verdier, University of North Carolina, Chapel Hill; Frank Lupi, Michigan State University

A Latent Class Analysis on Public Attitudes Towards Water Resources: Implications for Recreational Demand
Oren Ehrlich, University of Florida; Xiang Bi, University of Florida; Tatiana Borisova, University of Florida; Sherry L. Larkin, University of Florida

Recovering Marginal Willingness to Pays from Hedonic Prices Under Imperfect Competition
Ju-Chin Huang, University of New Hampshire; Min Qiang Zhao, Xiamen University; Laura Beaudin, Bryant University
Concurrent Sessions — Tuesday, 2:45 - 4:15 PM

2101  Measuring Wealth for Developing and Evaluating Rural Development Policy and Strategy 2.0
       Clarendon, 3rd Floor

Track Session – CRENET Section
Creating and sustaining wealth is being re-positioned for contemporary rural development policy and strategy. The optimal combination of wealth investments has the potential to improve the long-run prosperity, resiliency, and upward mobility of people in rural places. However, what constitutes wealth and how it is measured in the 21st century has differences to wealth assets of the 19th century highlighted by Thomas Piketty’s book Capital. This session is a follow up to a 2015 AAEA Session, presenting results from three on-going research efforts to measure wealth in rural regions and understand the place-based implications of these wealth assets.

Organizers: J. Matthew Fannin, Louisiana State University; Paul A. Lewin, University of Idaho; Todd M. Schmit, Cornell University

Comprehensive Wealth Measurement and Spatial Hedonic Analysis: Social Amenities as Externalities of Social Capital
Jinhyoung Kim; Thomas G. Johnson, University of Missouri; John L. Pender, USDA-Economic Research Service; J. Matthew Fannin, Louisiana State University

Applying Comprehensive Wealth Accounting to Evaluating the Impacts of Local Food System Initiatives
Becca B. R. Jablonski, Colorado State University; Todd M. Schmit, Cornell University; David Kay, Cornell University

Does the Level of Local Inequality Affect Community Economic Resilience: An Exploration of Possible Links
Xiurou Wu, Oregon State University; Mallory L. Rahe, Oregon State University; Bruce A. Weber, Oregon State University

Land Ownership, Heir Property and Community Development: The Case of the African American Farmer
Robert Zabawa, Tuskegee University; Conner Bailey, Auburn University; Ntam Baharanyi, Tuskegee University; Rebecca Barlow, Auburn University

2102  Statistical Techniques Used to Identify Climate Change Implications and Potential Adaptations
       Dartmouth, 3rd Floor

Track Session – Econometrics Section
There’s been a rapid rise in statistical studies exploring the effects of temperature shocks on agriculture and other sectors with the goal of assessing potential impacts of climate change. In addition, more research is being dedicated toward measuring how and how much economic activity can adapt to climate change and thereby mitigate potential damages. This session will explore three fundamental research questions related to these issues and the techniques being used to address them.

Organizer: Jesse B. Tack, Mississippi State University
Moderator: Jesse B. Tack, Mississippi State University

What Matters More, Adaptation or Price Response to Climate Change?
Michael James Roberts, University of Hawaii at Manoa

Measurement Error of Extreme Temperature Events and its Consequences for Climate Change Impact Projections
Ariel Ortiz-Bobea, Cornell University

The Role of El Niño Southern Oscillation in Commodity Price Movement and Predictability
David Ubilava, University of Sydney
**Concurrent Sessions — Tuesday, 2:45 - 4:15 PM**

**2103 U.S. Agribusiness Exporters to China: Challenges and Success Stories**  
*Exeter, 3rd Floor*

**Track Session – AEM and China Sections**

Imports by China, one of the most important markets for U.S. agricultural exports, are affected by China’s agricultural and trade policies along with domestic demand and supply. Since joining the WTO, China adopted more open trade policies; however, it enacted policies promoting food security, price stability and higher incomes for farmers, which lead to increased distortions between Chinese and international markets. Most recently, China continues to expand free trade agreements to diversify its agricultural suppliers. Concurrently, the Trans-Pacific Partnership does not include China. This session provides information of potential risks and opportunities on exporting to China. Discussion stems from interviews with agribusiness leaders and government officials working to facilitate U.S.-China trade while identifying challenges and successes. Interviews were conducted in China and the U.S. as part of the “Expanding U.S. Market Access in China’s Evolving Agricultural and Trade Policy Environment” project, funded by USDA-NIFA as an AFRI grant.

**Organizers:** James M. Hansen, USDA-Economic Research Service; Mary Marchant, Virginia Tech  
**Moderator:** Francis C. Tuan, World Agricultural Economic and Environmental Services  
**Discussant:** Funing Zhong, Nanjing Agricultural University  

**China’s Evolving Agricultural and Trade Policies – Impact on U.S. Exports**  
*Mina Hejazi,* Virginia Tech; Funing Zhong, Nanjing Agricultural University; Jing Zhu, Nanjing Agricultural University

**Challenges and Successes by U.S. Agribusiness Exporters to China**  
*James M. Hansen,* USDA-Economic Research Service; Francis C. Tuan, World Agricultural Economic and Environmental Services; Agapi L. Somwaru

**A Case Study - Supplying China’s Growing Appetite for Poultry**  
*Mary Marchant,* Virginia Tech; Wei Zhang, Virginia Tech; Wei Chen, Shanghai University of Finance and Economics

**2104 Agricultural Productivity, Nutrition and Food Security in Latin America**  
*Fairfield, 3rd Floor*

**Track Session – LAS Section**

Latin America has managed to reach both targets of the Millennium Development Goals of eradicating extreme poverty and hunger. By halving the proportion of people whose income is less than $1, and the proportion of people who suffer from hunger, significant progress have been made toward achieving food and nutrition security, yet significant work remains to be done. This session will focus on two interconnected food security issues: agricultural productivity and nutrition. Presentations made by researchers from academic institutions and international development and research organizations will provide an up-to-date view of these two issues. The session also includes presentations providing an overall view of the issues in the region as well as case studies from two countries: Peru and Guatemala.

**Organizers:** Carlos E. Carpio, Texas Tech University; Luis Sandoval, Texas Tech University  
**Moderator:** Carlos E. Carpio, Texas Tech University

**Agricultural Productivity, Climate Change, and Food Security in Latin American Countries**  
*Carlos Ludeña,* Inter-American Development Bank

**Impacts of CIP Potato Variety Development on Food Security in Highland Peru**  
*Jeffrey Alwang,* Virginia Tech

**Policy Implications of Two Food Security Measurement Methodologies in Guatemala**  
*Luis Sandoval,* Texas Tech University; Manuel Garcia, Zamorano University; Carlos E. Carpio, Texas Tech University

**Seasonality, Birth Order and Stunting: Evidence from Guatemala**  
Concurrent Sessions — Tuesday, 2:45 - 4:15 PM

      *Hyannis, 4th Floor*

**Track Session – Australasia Section**
This is the first of two linked sessions on the same topic, with a mixture of speakers from government, universities, and industry. Each session will have a set of short presentations followed by a general discussion.

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

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

- Investments in Agricultural and Food R&D: The New Global Landscape
  *Philip G. Pardey,* University of Minnesota-Twin Cities

- The Evolving Institutional Structure of Public and Private Agricultural Research
  *Keith O. Fuglie,* USDA-Economic Research Service

- Public-Private-Producer Partnerships: Theory and Practice
  *Richard S. Gray,* University of Saskatchewan

- Financing Innovation for Agriculture and Food: The Role of Value Chains
  *Johan F.M. Swinnen,* University of Leuven

2106  Does Food Safety Regulation Pay?
      *New Hampshire, 5th Floor*

**Track Session – FSN and FAMPS Sections**
Recent food safety regulations such as the Food Safety Modernization Act for FDA and the Modernization of Poultry Slaughter Inspection for USDA have imposed new requirements on food producers with the goal of reducing the risk of foodborne illness. When implementing major regulations, government agencies must assess whether the health benefits of the regulation exceed the costs of required actions. Regulatory agencies typically must conduct analyses in a situation with limited data and time and following specific statutory requirements. The purpose of this session is to discuss the methods that have been used to estimate the benefits and costs of recent regulations, discuss how economic analyses improve regulations, identify the challenges associated with conducting economic analyses of regulation, and identify areas in which additional research could improve analyses conducted for food safety regulations.

**Organizers:** Sandra Hoffmann, USDA-Economic Research Service; Mary K. Muth, RTI International

**Moderator:** Christiane Schroeter, California Polytechnic State University

- USDA Perspective
  *April Regonlinski,* USDA-Food Safety and Inspection Service

- FDA Perspective
  *James Bradley Brown,* U.S. Food and Drug Administration

- Benefit Estimation Methodologies
  *Jean C. Buzby,* USDA-Economic Research Service

- Cost Estimation Methodologies
  *Mary K. Muth,* RTI International

- OMB Perspective
  *Elizabeth Ashley,* Office of Management and Budget
Are Checkoff Programs Good for Nutrition?
Berkeley, 3rd Floor

Track Session – FAMPS Section

The nutrition quality of federal generic commodity promotion programs is important and controversial. This panel discussion session will address the question “Are checkoff programs good for nutrition?” Harry Kaiser will provide a 20-minute presentation that takes the “yea” view. Parke Wilde will give a 20-minute talk that gives the “nay” view. The two presenters have planned their presentations to set up an engaging contrast while still reflecting favorably on both areas of work. As discussant, John Crespi will present his own thoughts on the balance of evidence (15 min). The discussant/moderator, Kristin Kiesel, will engage the audience in a vigorous discussion period. Like the moderator in a political debate, her mandate includes the authority to probe for greater detail and to engage the arguments at stake.

Organizer: Parke E. Wilde, Tufts University

Discussants: John M. Crespi, Iowa State University; Kristin Kiesel, University of California, Davis

Presenters: Harry M. Kaiser, Cornell University; Parke E. Wilde, Tufts University
Concurrent Sessions — Tuesday, 4:30 - 6:00 PM

2108  Understanding Global Consumers’ Motivations for Adopting a Vegetarian/Vegan Diet: A Comparison of Methods, Results and Policy Implications
Arlington, 3rd Floor

Organized Symposium
The focus of this session is to examine gaps in the literature around vegetarian/vegan/flexitarian behavior across countries, and across disciplines with respect to the broader literature. Specifically, this session adds to the discussion by first, providing insights across three countries from three continents (US, Australia, Germany) based on quantitative analysis, and second, by adding for Germany the results of qualitative methods. The insights derived from the session will allow for a better understanding of the factors and concerns motivating consumers to adopt a vegetarian and/or vegan diet, the implications of changing diets for the food industry and related policymakers, including the livestock and meat sector, and strategies for addressing issues that may arise from changing meat eating behavior, particularly those centered around misinformation.

What Drives German Consumers to Become Vegetarians/Vegans: Analysis Based on Morphological Market Research
Monika Hartmann, University of Bonn

2109  Agricultural Practices and Technologies
Salon B, 4th Floor

Selected Presentation – Lightning Session
The 8 papers in this lightning session consider the consequences of a range of production practices such as contracting and technologies such as Bt cotton and improved seeds in various developing countries.

Moderator: Anna M. Fairbairn, University of Illinois at Urbana-Champaign

Impact of Modern Irrigation on Household Production and Welfare Outcomes: Evidence from the PASIDP project in Ethiopia
Alessandra Garbero, International Fund for Agricultural Development; Tisorn Songsermsawas, International Fund for Agricultural Development

Mineral Fertilizer Quality: Implications for Markets and Small Farmers in Tanzania
Anna M. Fairbairn, University of Illinois at Urbana-Champaign; Brenna Ellison, University of Illinois at Urbana-Champaign; Victor M. Manyong, International Institute of Tropical Agriculture

A Question of Integrity: Variants of Bt Cotton, Pesticides, and Productivity in Pakistan

Novel IPM Intervention in West Africa: Smallholder Farmers’ Preferences for Biological versus Synthetic Control Strategies for Cowpea Pests
Michael Agyekum, Michigan State University; Frank Lupi, Michigan State University; Cynthia Donovan, Michigan State University

A Duration Analysis Approach to Variety Change on Wheat Farms in Bihar, India
Mukesh K. Ray, Michigan State University; Mywish K. Maredia, Michigan State University
Concurrent Sessions — Tuesday, 4:30 - 6:00 PM

2110  International Trade
   Salon C, 4th Floor

Selected Presentation – Lightning Session
The lightning session deals with the interactions of agricultural trade and other economic and social topics. The analyses allow us to re-examine agricultural trade from the broad perspective of economic development, environmental sustainability, labor markets, and cultural trends.

Moderator: Nikhil Damodaran, Louisiana State University

Corruption and Agricultural Trade
Trina Biswas, Louisiana State University; P. Lynn Kennedy, Louisiana State University

Eco-Labelling and the Gains from Agricultural and Food Trade: A Ricardian Approach
Kari E. Heerman, USDA-Economic Research Service; Ian M. Sheldon, The Ohio State University

Reinvigorating Economy in the Euro Area: Use of Fiscal Policy to ’Beggar-Thy-Neighbor’
Nikhil Damodaran, Louisiana State University

Forest Stewardship Standards: Voluntary Governance as a Trade Facilitation Strategy?
Bruno Kanieski Da Silva, North Carolina State University; Kathryn A. Boys, North Carolina State University

2111  International Development
   Boylston, 1st Floor

Selected Presentation
Papers in this session focus on evaluating the effectiveness of development efforts in Asia, Africa, and Central America.

Moderator: Johanna Fajardo-Gonzalez, University of Minnesota

Migration and Household Decision on Occupational Choice and Input Reallocation: Evidence from Bangladesh
Marup Hossain, University of Florida; Gulcan Onel, University of Florida; Conner Mullally, University of Florida

Long-Term Impacts of Poverty Programs: A Local-Economy Cost-Benefit Analysis of Lesotho’s Child Grants Programme

Longitudinal Analysis of the Intrahousehold Distribution of Foods in Rural Nepal: Effectiveness of a Community Development Intervention
Amelia F. Darrouzet-Nardi, Allegheny College; Laurie C. Miller, Tufts Medical Center; Neena Joshi, Heifer International Nepal; S. Mahato, Heifer International Nepal; Mahendra Lohani, Heifer International; Beatrice L. Rogers, Tufts University; Julia Drozdowsky, Allegheny College

Determinants of Sustainability of Community Seed Banks in Nicaragua: A Duration Analysis Approach
David J. De Young, Michigan State University; Mywish K. Maredia, Michigan State University
Concurrent Sessions — Tuesday, 4:30 - 6:00 PM

2112 Agricultural Productivity in Developing Countries

Brandeis, 3rd Floor

Selected Presentation

The four papers in this session focus on issues in agricultural productivity in developing countries, including the effects of gender, farm size, weather, and technical change.

Moderator: Leah EM Bevis, Cornell University

The Inverse Size-Productivity Puzzle: Might There Be Behavioral Explanations?

Leah EM Bevis, Cornell University; Christopher B. Barrett, Cornell University

Weather Variability, Technical Change, and Agricultural Production: 40 Years of Evidence from India

Jeffrey D. Michler, University of Illinois at Urbana, Champaign

The Impact of the Use of New Technologies on Farmers’ Wheat Yield in Ethiopia: Evidence from a Randomized Controlled Trial


Asymmetric Trade Flows and Their Implications for Competitiveness, Efficiency and Trade

Youngjae Lee, Louisiana State University; P. Lynn Kennedy; Louisiana State University

2113 Water Resource Management

Harvard, 3rd Floor

Selected Presentation

This session focuses on management of water resources for agricultural, industrial, and residential uses. Spatial heterogeneity and welfare impacts are examined in the presentations.

Moderator: Sanchari Ghosh, Northeastern State University

The Welfare Consequences of the 2015 California Drought Mandate: Evidence from New Results on Monthly Water Demand

Steven C. Buck, University of Kentucky; Stephen F. Hamilton, California Polytechnic State University, San Luis Obispo; Mehdi Nemati, University of Kentucky; David L. Sunding, University of California, Berkeley

A Hydro-Economic Model to Analyze the Allocation of Agricultural Water in the Tennessee Basin

Lixia He, University of Tennessee; Christopher D. Clark, University of Tennessee; Dayton M. Lambert, University of Tennessee; Jamey Menard, University of Tennessee; Burton C. English, University of Tennessee; Stephanie Owen, University of Tennessee

Hydroeconomic Modeling of the Benefits and Costs of Water Management in the Santa Cruz Border Region

Sanchari Ghosh, Northeastern State University; Keith D. Willett, Oklahoma State University

Groundwater Management Policy Evaluation with a Spatial-Dynamic Hydro-Economic Modelling Framework

Robert A. Hrozencik, Colorado State University; Dale Manning, Colorado State University; Jordan F. Suter, Colorado State University; Christopher Goemans, Colorado State University; Ryan T. Bailey, Colorado State University

Meandering Water in the Prairie Pothole Region of South Dakota and its Economic Impact

Matthew Elliott, South Dakota State University; Tong Wang, Texas AgriLife Research; Dennis Todey, South Dakota State University
Concurrent Sessions — Tuesday, 4:30 - 6:00 PM

2114 Wine and Coffee Economics  
Maine, 5th Floor

Selected Presentation
This session focuses on emerging issues relevant to agribusinesses in the wine grape and coffee industries. Business strategy, technological innovation, and labeling are discussed.

Moderator: Bruno V. Miranda, University of Missouri

Transaction Costs, Capabilities and Grape Procurement Strategies in U.S. Emerging Wine Regions  
Bruno V. Miranda, University of Missouri; Fabio R. Chaddad, University of Missouri

Evaluating the Potential for Robotic Technology Development in U.S. Wine Grape Production  
Dean A. McCorkle, Texas A&M University; Rebekka M. Dudensing, Texas A&M AgriLife Extension Service; Daniel Hanselka, Texas A&M University; Ed W. Hellman, Texas A&M University

Price Determinants of California Wine in the U.S. Market: Does the Type Matter?  
Ali Asgari, University of Kentucky; Michael R. Reed, University of Kentucky

Costly Choices: Does the U.S. Retail Market Reward Coffee Origin Labeling?  
John Hoehn, Michigan State University

2115 Effect of Exogenous and Endogenous Factors on Farm Profitability and Wealth  
Massachusetts, 5th Floor

Selected Presentation
External influences as well as management decisions can have profound impacts on farm finances. Papers in this session examine how exogenous and endogenous factors such as urban development, invasive pests, avoided demand charges and timing of wealth transfer affect farm assets, revenues, and cost of production.

Moderator: Sean P. Hurley, California Polytechnic State University, San Luis Obispo

A Model for Estimating Revenue from Avoided Demand Charges for Agricultural Operations Utilizing Anaerobic Digesters  
Sean P. Hurley, California Polytechnic State University, San Luis Obispo

Economic Impact of the Sugarcane Aphid Outbreak in South Texas  
Samuel D. Zapata, Texas A&M University; Raul Villanueva, Texas A&M University; Rebekka M. Dudensing, Texas A&M AgriLife Extension Service; Danielle Sekula, Texas A&M University; Gabriela Esparza-Diaz, Texas A&M University

The Effect of Timing of Farm Transfer Initiation on Terminal Wealth in the Business: Simulation Model.  
Iuliia Protopop, University of Nebraska-Lincoln; Michael Boehlje, Purdue University

Urban Influence on Costs of Production in Selected Regions: A Frontier Approach  
Richard F. Nehring, USDA-Economic Research Service; Ani Katchova, The Ohio State University; Charles Hallahan, USDA-Economic Research Service; Michael Harris, USDA-Economic Research Service; Kenneth W. Erickson, USDA-Economic Research Service
Concurrent Sessions — Tuesday, 4:30 - 6:00 PM

2116 New Evidence on Milk and Dairy Demand
MIT, 3rd Floor

Selected Presentation
Milk and dairy is becoming highly differentiated. This session examines the effects of private labeling on market power, as well as the effects of differentiation on demand for milk and dairy products.

Moderator: Senarath Dharmasena, Texas A&M University

Investigating Economic and Demographic Factors Affecting Consumer Demand for Coconut-milk in the United States
Senarath Dharmasena, Texas A&M University

Private Label Market Power: Evidence from the Italian Dairy Sector
Giulia Tiboldo, University of Connecticut; Rigoberto A. Lopez, University of Connecticut; Stefan Hirsch, University of Bonn

Demand for Niche Local Brands in the Fluid Milk Sector
Adam N. Rabinowitz, University of Connecticut; Yizao Liu, University of Connecticut; Xuan Chen, University of Connecticut; Benjamin L. Campbell, University of Georgia

Private Label Competition and Retailer Market Power: The Case of Fluid Milk in New England
Adam N. Rabinowitz, University of Connecticut; Xuan Chen, University of Connecticut; Yizao Liu, University of Connecticut

2117 Diffusion of Technologies
Nantucket, 4th Floor

Selected Presentation
Papers in this session emphasize the roles of information technology, extension, and transgenerational learning in enhancing decision-making in developing countries.

Moderator: Annemie Maertens, University of Sussex

Demonstration Plots as a Tool to Promote Farmer Learning: Evidence from a Randomized Controlled Trial in Malawi
Annemie Maertens, University of Sussex; Hope C. Michelson, University of Illinois at Urbana-Champaign; Vesall Nourani, Cornell University

Ties that Bind: Redistributive Pressure and Economic Decisions in Village Economies
Salvatore DiFalco, University of Geneva; Francesco Feri, University of London; Paolo Pin, University of Siena; Xavier Vollenweider, London School of Economics and Political Science

Agricultural Extension through Information Technologies in Schools: Do the Cobbler’s Parents Go Barefoot?
Eduardo A. Nakasone, Michigan State University; Maximo Torero, International Food Policy Research Institute

Did You Really Get the Message? Using Text Reminders to Stimulate Adoption of Agricultural Technologies
Catherine Larochelle, Virginia Tech; Jeffrey Alwang, Virginia Tech; Elli Travis, Virginia Tech

2118 Using Experimental Economics to Investigate Intra-Household Allocation
Northeastern, 3rd Floor

Selected Presentation
This session presents research regarding the measurement of regulatory participation and compliance, productive resource control and intra-household labor allocation as well as the impact of gender differences in risk preferences on household investment decisions. Finally, credit access as improvement of technical efficiency of farmers is discussed.

Moderator: Stephen N. Morgan, Michigan State University

Farmers as Policymakers: Measuring Regulatory Participation and Compliance in Michigan
Stephen N. Morgan, Michigan State University; Nicole M. Mason, Michigan State University; Robert S. Shupp, Michigan State
Concurrent Sessions — Tuesday, 4:30 - 6:00 PM

University

Productive Resource Control and Intrahousehold Labor Allocation

Aissatou Ouedraogo, Michigan State University

A Study on Intra-household and Gender Differences in Risk Preferences and Their Effect on Household Investment Decisions in Rural Cameroon

M. Jimena Gonzalez Ramirez, Iowa State University; Niccolo F. Meriggi, Wageningen University

Does Credit Access Improve Technical Efficiency of Farmers? Experimental Evidence from Bangladesh

Nusrat A. Jimi, The State University of New York; Subal C. Kumbhakar, The State University of New York; Plamen Nikolov, The State University of New York

2119  Food Choice Experiments
Regis, 3rd Floor

Selected Presentation
These presentations employ experiments to examine food choices and preferences.

Moderator: Chinonso E. Etumnu, University of San Francisco

Behavioral Determinants of Biofortified Food Selection: The Case of Orange-fleshed Sweet Potato in Ghana

Chinonso E. Etumnu, University of San Francisco

Product Bundling as a Behavioral Nudge: Investigating Consumer Fruit and Vegetable Selection using Dual-Self Theory

Kathryn A. Carroll, University of Wisconsin; Anya Samek, University of Southern California; Lydia Zepeda, University of Wisconsin

Understanding the Effect of Product Displays on Consumer Choice and Food Waste: A Field Experiment

Devon P. Meadowcroft, University of Delaware; John C. Bernard, University of Delaware; Ulrich C. Toensmeyer, University of Delaware

2120  Agricultural Trade: Market and Policy Analyses
Salon D, 4th Floor

Selected Presentation
This session outlines the factors affecting agricultural trade, including agricultural and trade policies.

Moderator: Jaya Jha, Colby College

Agricultural Protection, Domestic Politics, and International Political Economy: What is the Role of the State in Explaining Agricultural Protection?

Wanki Moon, Southern Illinois University; Gabriel Pino, Universidad de Talca; Jebaraj Asirvatham, Southern Illinois University

A COOL Repeal: Potential Outcomes of U.S. Mandatory Country of Origin Labeling Requirements on Dairy and Beef Sectors

Amanda M. (Leister) Countryman, Colorado State University; Alessandro Bonanno, Colorado State University; Joleen C. Hadrich, Colorado State University
Concurrent Sessions — Tuesday, 4:30 - 6:00 PM

2121  Impact of Food Policies on the Poor: Studies in the United States and India
Salon H, 4th Floor

Selected Presentation
How affective are food assistance programs in addressing hunger and malnutrition among the poor in both developed and developing countries? This session examines this question for the U.S and India.

Moderator: Danhong Chen, University of Arkansas

Evaluating the Impact of Participation in the Fresh Fruit and Vegetable Program on Childhood Obesity Using Synthetic Difference-in-Difference Method
Danhong Chen, University of Arkansas; Rodolfo M. Nayga, University of Arkansas; Michael R. Thomsen, University of Arkansas; Sangsoo Park, Korea University; Judy Bennett, Arkansas Center for Health Improvement

Food Access, Food Deserts, and the Women, Infants, and Children Program
Qi Wu, University of California, Davis; Tina L. Saitone, University of California, Davis; Richard J. Sexton, University of California, Davis

Effectiveness of Food Subsidies in Raising Consumption of Healthy Food: The Case of Pulses in Public Distribution System in India

Arbitrage and Corruption in Food Subsidy Programs? Evidence from India’s Targeted Public Distribution System

2122  Nutrition in K-12 Education
Salon J, 4th Floor

Selected Presentation
Examining nutrition in youth is important in light of the obesity epidemic while malnutrition is still observed. This session includes four papers that examine nutrition trends in K-12 education.

Moderator: Michael E. Ollinger, USDA-Economic Research Service

The Effect of Nutrition and Physical Education on Student Achievement: Evidence from Traverse City Area Public Schools
Gerard L. Taylor, Michigan State University; Dave D. Weatherspoon, Michigan State University; Marci Scott, Michigan Fitness Foundation; Sarah Jones, Michigan Fitness Foundation

The Role of Calorie Content, Menu Items, and Health Beliefs on the School Lunch Perceived Health Rating
Matthew V. Pham, Landmark College; Brian E. Roe, The Ohio State University

Trends in Soda, Milk, and Juice Consumption among U.S. High School Students from 2007 to 2015
Caitlin Merlo, Centers for Disease Control and Prevention; Sohyun Park, Centers for Disease Control and Prevention; Zewditu Demissie, Centers for Disease Control and Prevention; Sarah Sliwa, Centers for Disease Control and Prevention; Gabrielle Miller, Centers for Disease Control and Prevention

Do Large School Food Authorities Pay Less for Food used in the National School Lunch Program?
Michael E. Ollinger, USDA-Economic Research Service; Joanne Guthrie, USDA-Economic Research Service; Audrey J. Peo, University of Delaware
Concurrent Sessions — Tuesday, 4:30 - 6:00 PM

**2123** Demand and Price Analysis of International Trade  
*Salon K, 4th Floor*

**Selected Presentation**
These papers seek to analyze empirically the demand conditions for agricultural traded commodities. Policy implications are emphasized.

**Moderator:** Haiyan Wang, Texas Tech University

- **Potential Scenarios for China’s Future Excess Demand for Grain Sorghum**  
  Haiyan Wang, Texas Tech University; Jaime E. Malaga, Texas Tech University

- **Estimating Import Demand Functions in Major Beef Importing Countries by Bayesian Hierarchical Linear Model**  
  Byung Min Soon, University of Missouri; Wyatt Thompson, University of Missouri

- **Price Discovery in U.S. and World Rice Markets using Tournament Approach**  
  Man-Keun Kim, Utah State University; Hernan A. Tejeda, Utah State University

- **The Effect of HPAI on ECOWAS Meat Prices Using Price Transmission Analysis**  
  Fawzi A. Taha, USDA-Economic Research Service; Anthony Shkrelja, USDA-Economic Research Service

**2124** Analyses of Risk, Adaptation, and Habit Formation in Developing Countries  
*St. Botolph, 2nd Floor*

**Selected Presentation**
Presentations in this session focus on risk management in specific situations that are particularly relevant for developing countries.

**Moderator:** Shaikh M. Eskander, London School of Economics

- **Agricultural Adaptation to Disaster through Land Rental Market: Evidence from Bangladesh**  
  Shaikh M. Eskander, London School of Economics; Edward B. Barbier, University of Wyoming

- **Income Risk, Habit Formation, and Precautionary Savings: The Case of Rural Households**  
  Aditya R. Khanal, Tennessee State University; Ashok K. Mishra, Arizona State University

- **Replanting Guarantee in Developing Countries**  
  Yiting Li, The Ohio State University; Mario J. Miranda, The Ohio State University

**2125** Marketing Strategies of Smallholder Farmers  
*Tufts, 3rd Floor*

**Selected Presentation**
This set of presentations explore various marketing strategies employed by smallholder farmers around the world.

**Moderator:** Dennis O. Ochieng, Goettingen University

- **Farmers’ Preferences for Supermarket Contracts in Kenya**  
  Dennis O. Ochieng, Goettingen University; Prakashan Chellattan Veettil, International Rice Research Institute; Matin Qaim, Georg-August-Universität Göttingen

- **Implications of Seasonal Price and Productivity Changes at the Household Level in Uganda – A Heterogeneous Agent Approach**  
  Mark Musumba, Earth Institute at Columbia University; Yuquan W. Zhang, Shanghai Jiao Tong University

- **The Changing Structure of Retail Food Stores, Direct Marketing Sales and its Impact on Farmer’s Financial Performance**  
  Krishna P. Paudel, Louisiana State University; Seydina O. Sene Sr., Louisiana State University; Timothy A. Park, USDA-Economic Research Service
Concurrent Sessions — Tuesday, 4:30 - 6:00 PM

2126  Climate Variability and Impacts on World Agricultural Production  
Vermont, 5th Floor

Selected Presentation
This session consists of four papers analyzing the impact of climate variability on agricultural production.

Moderator: Pierre Mérel, University of California, Davis

Modeling Temperature and Precipitation Influences on Yield Distributions of Canola and Spring Wheat in Saskatchewan  
Richard Carew, Agriculture & Agri-Food Canada; Ting Meng, University of Pennsylvania; Wojciech J. Florkowski, University of Georgia; Anna M. Klepacka, Warsaw University of Life Sciences

Adapting Agronomic Metrics to Climate-Yield Models in Northern Latitudes: The Importance of Cold Temperature Stress  
Alan P. Ker, University of Guelph; Tor N. Tolhurst, University of California, Davis

The Impact of Climate Change on Cereal Yields: Statistical Evidence from France  
Matthew Gammans, University of California, Davis; Pierre Mérel, University of California, Davis; Ariel Ortiz-Bobea, Cornell University

2127  Agriculture and GHG Emissions  
Wellesley, 3rd Floor

Selected Presentation
Papers in this session address different dimensions of the interface between agriculture and GHG emissions.

Moderator: WanYu Liu, Aletheia University

Optimal Pricing of Carbon Trading Market Based on a Demand-Supply Model  
WanYu Liu, National Chung Hsing University

Quantifying Spatial Differences in Methane Emissions from Rice Production  
Francis Tsiboe, University of Arkansas; Aaron M. Shew, University of Arkansas; Lawton L. Nalley, University of Arkansas; Bruce L. Dixon, University of Arkansas; Jesse B. Tack, Mississippi State University; Andrew P. Barkley, Kansas State University; Kris Brye, University of Arkansas

Renewable Natural Gas as a Solution to Climate Goals: Supply Estimates and Response to California’s Low Carbon Fuel Standard  
Daniel P. Scheitrum, University of California, Davis; Nathan C. Parker, Arizona State University

Abatement Costs of Emissions from Crop Residue Burning in Major Crop Producing Regions of China: Balancing Food Security with the Environment  
Lingling Hou, Center for Chinese Agricultural Policy, Chinese Academy of Sciences; Dana L. Hoag, Colorado State University; Jikun Huang, Chinese Academy of Sciences; Catherine M. Keske, Colorado State University

2128  Ecosystems/Conservation  
Boston University, 3rd Floor

Selected Presentation
Papers in this session evaluate conservation practices and ecosystem management.

Moderator: Seong Do Yun, Yale School of Forestry and Environmental Studies

The Wealth of Ecosystems: Valuing Natural Capital in the Context of Ecosystem Based Management  
Seong Do Yun, Yale School of Forestry and Environmental Studies; Barbara Hutniczak, National Oceanic and Atmospheric Administration (NOAA); Eli P. Fenichel, Yale University; Joshua K. Abbott, Arizona State University

What Matters for Farmers’ Willingness to Accept Compensation for Restoring Wetland: Environmental Benefits or Economic Concerns  
Xuan Wei, University of Florida; Honggen Zhu, Jiangxi Agricultural University

Effects of Protected Area Size on Conservation Return on Investment  
Kristen Thiel, University of Tennessee; Seong-Hoon Cho, University of Tennessee
Concurrent Sessions — Tuesday, 4:30 - 6:00 PM

2129 Are Poor Soils a Blessing or a Curse? Estimating the Relationships among Soil Quality, Agricultural Productivity, and Poverty in Sub-Saharan Africa
Berkeley, 3rd Floor

Track Session – International and Africa Sections
The United Nation’s declaration of 2015 as the International Year of Soils and the Montpellier Panel report, “No Ordinary Matter: Conserving, Restoring, and Enhancing Africa’s Soils”, pushed issues of soil quality and agricultural productivity to near the top of the development agenda in sub-Saharan Africa (SSA). While this has stimulated considerable research, dialogue, and some renewed donor support for efforts to address soil and land degradation challenges, the relationships among soil quality, agricultural productivity, and rural poverty remain poorly understood. Moreover, there is an emerging debate in the literature over whether good soils are a blessing (the conventional wisdom) or a curse (Wantchekon and Stanig, 2015). This track session will bring new empirical evidence from Kenya, Malawi, and Zambia to bear on these issues and debates.

Organizers: Nicole M. Mason, Michigan State University; Milu Muyanga, Michigan State University; Jacob Ricker-Gilbert, Purdue University

Moderator: Thomas S. Jayne, Michigan State University

Discussant: Mark W. Rosegrant, International Food Policy Research Institute

Pinned to the Ground: Examining Soil Degradation Poverty Traps in Rural Kenya
Milu Muyanga, Michigan State University; Thomas S. Jayne, Michigan State University

Micro-Level Welfare Impacts of Agricultural Productivity: Evidence from Rural Malawi
Francis A. Darko, Purdue University; Amparo Palacios-Lopez, World Bank; Talip Kilic, World Bank; Jacob Ricker-Gilbert, Purdue University

Female Access to Fertile Land in Zambia
William J. Burke, Stanford University

2130 Behavioral Economics and School Food Policy: Nudging Towards Better Choices
Clarendon, 3rd Floor

Track Session – FSN and IBES Sections
Behavioral Economics applications to improving health, choice, and the bottom lines of school cafeterias have expanded since the Smarter Lunchroom Initiative of 2009 which continues to strive to provide schools with research-based solutions to encourage healthier eating in the lunchroom while maintaining participation and revenue. This session includes three papers with “nudges” and lunchroom architecture influences that aim to increasing school lunch participation and increasing consumption of fruits and vegetables.

Organizer: Jane M. Kolodinsky, University of Vermont

Moderator: David R. Just, Cornell University

Discussant: David R. Just, Cornell University

Sampling Tomorrow’s Lunch Today: A Partial Solution to the School Lunch Trilemma?
Jane M. Kolodinsky, University of Vermont; Elizabeth Pope, University of Vermont; Erin Roche, University of Vermont

The Effect of Elementary Student Involvement in the Design of Healthy Food Promotional Materials on Vegetable Consumption
Christopher R. Gustafson, University of Nebraska-Lincoln

Lunchroom Table Talkers Talk School Students into Eating Fruits and Vegetables
Janani Rajbhandari Thapa, University of Georgia; Michelle VanDellan, University of Georgia
Concurrent Sessions — Tuesday, 4:30 - 6:00 PM

2131  Strengthening Impact Assessment in the CGIAR: Lessons Learned
Dartmouth, 3rd Floor

Track Session – International and Senior Sections
The session consists of four presentations providing an overview of challenges faced by CG centers in conducting credible impact assessments, steps to improve impact assessment in a commodity (CIP), and natural resource (CIFOR) center, and a summary of recommendations. The first presents an overview of challenges to credible impact assessment faced and a discussion of means of overcoming them. The second presentation approaches the challenge from a Center perspective. It synthesizes lessons about challenges and means of improving impact assessment. The third discusses experiences in addressing a huge challenge in assessing impacts for commodity-focused research: measuring adoption. An ongoing project is extending methods for estimating adoption of improved varieties across South and Southeast Asia. The fourth presentation summarizes CIAT’s recent experience in impact assessment. This center was not involved in the strengthening effort and an overview of its challenges provides context for other centers.

**Organizer:** Jeffrey Alwang, Virginia Tech

**Discussant:** Bradford F. Mills, Virginia Tech

Challenges to impact assessment in the CG: Building credibility within the context of a complex research program

*Jeffrey Alwang,* Virginia Tech

Impact Assessment at CIP & CIFOR: Challenges of Attribution and Impact Assessment Prioritization in Different Research Centers

*Guy G. Hareau,* International Potato Center; *Daniel Suryadarma,* Center for International Forestry Research

Tracking Varietal Adoption through Expert Elicitation Methodology: Recent Experiences from More Than 130 Crop-Country-Combinations (CCCs) in South and Southeast Asia

*Mywish K. Maredia,* Michigan State University

New Methods and Tools in the Documentation of Development Outcomes and Impacts of Tropical Agriculture: The CIAT Experience

*Ricardo A. Labarta,* International Center for Tropical Agriculture

2132  The Use of Academic Performance Metrics when Evaluating Faculty, Programs, and Departments
Exeter, 3rd Floor

Track Session – NAAEA Section
Metrics are useful in making absolute and relative decisions. Universities now use electronic faculty reporting systems to capture and store annual evaluations. Digital Measures and MyVita are third-party programs for gathering information. External third-party entities—e.g., Google Scholar or ResearchGate—track journal impact factors and citations rates for faculty and journals. This comprehensive look at productivity is used to evaluate discipline-specific departments across multiple universities, across departments within an institution, and individual faculty members as targeted hires. The objective of this panel discussion is three-fold. First, begin a dialogue for effective use of metrics in decision making for evaluation of faculty member performance and recruitment of faculty members. Second, touch on strategies for communicating these metrics during department program reviews. Third, explore what steps the AAEA might take to offer support to third-party vendors in developing metrics.

**Organizer:** Joe L. Parcell, University of Missouri

**Moderator:** Joe L. Parcell, University of Missouri

**Discussant:** Jill L. Findeis, University of Missouri

**Panelists:** Steve A. Halbrook, University of Arkansas; Jill J. McCluskey, Washington State University; Steven C. Turner, Mississippi State University
Concurrent Sessions — Tuesday, 4:30 - 6:00 PM

2133  Attention and Choice: Use of Eye-Tracking in Choice Behavior Research

Fairfield, 3rd Floor

**Track Session – Experimental Economics and IBES Sections**

Attention is an important step in the consumer decision making process, being a prerequisite for information processing. With eye-tracking technology, respondents’ gaze can be recorded to monitor their visual attention when making food choices. Recent research has underlined the importance of visual processing in consumer decision-making. Visual attention is influenced by bottom-up (or stimulus-driven) and top-down (goal-directed) factors. This session focuses on visual attention during food choice and its influencing factors. Specifically, three issues related to eye-tracking and food choice are covered: (1) the role of attention in predicting choice in choice experiments, (2) the effect of the visual stimulus characteristics and the positioning on the likelihood of fixation, and (3) the effect of the hypothetical or non-hypothetical nature of the choice experiment on visual attention in terms of fixation count and fixation time.

**Organizer:** Ellen J. Van Loo, Ghent University

**Moderator:** Carola Grebitus, Arizona State University

**Discussant:** Benjamin L. Campbell, University of Georgia

1. *The Role of Attention in Predicting Choice*
   - **Jutta Roosen**, Technical University of Munich; Carola Grebitus, Arizona State University

2. *Effects of Visual Stimulus Characteristics on Attention to Front-of-Pack Food Product Information*
   - **Klaus G. Grunert**, Aarhus University; Jacob L. Orquin, Aarhus University; Erik Lahm, Aarhus University; Linda Redere, Aarhus University; Martin P. Bagger, Aarhus University; George Tsalis, Aarhus University

3. *Does Visual Attention Differ in Hypothetical and Non-hypothetical Choice Experiments?*
   - **Ellen J. Van Loo**, Ghent University, Belgium; Rodolfo M. Nayga, University of Arkansas; Terhi Latvala, Natural Resources Institute Finland; Wim A.J. Verbeke, University of Ghent


Hyannis, 4th Floor

**Track Session – Australasia Section**

This is the second of two linked sessions on the same topic, with a mixture of speakers from government, universities, and industry. Each session will have a set of short presentations followed by a general discussion.

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

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

1. *Lessons from the Workshop in Ravello*
   - **Davide Gaeta**, University of Verona

2. *Government Agency Perspectives*
   - **Robbin Shoemaker**, National Institute of Food and Agriculture

3. *Technology Provider Perspectives*
   - **Eric Sachs**, Monsanto Corporation
Concurrent Sessions — Tuesday, 4:30 - 6:00 PM

2135  Economics of Animal Health
      *New Hampshire, 5th Floor*

**Track Session – AEM Section**

Examines industry relevant topics in animal health including the economic impact of zoonotic diseases (avian influenza), the role of biosecurity in reducing the threat and impact of animal disease, and the impact of antibiotic-free production on animal health (chickens).

**Organizer:** Matthew J. Salois, Elanco Animal Health

**Discussant:** Michael Dicks, American Veterinary Medical Association

*The Impact of Antibiotic-free Production on Broiler Health and Welfare*

**Matthew J. Salois,** Elanco Animal Health

*Economics of Zoonotic Diseases*

**Thomas L. Marsh,** Washington State University

*Why Do Producers Partially Implement Biosecurity Recommendations of Experts?*

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

2136  Are Online Food Sales Ready to Go Mainstream? Developments in Ecommerce

*Provincetown, 4th Floor*

**Track Session – AEM Section**

For more than 30 years entrepreneur producers are experimenting with electronic marketing opportunities. However, for a number of reasons, the majority of the early endeavors were not successful. Nevertheless, over the last few years, producers and retailers are re-embracing electronic food sales as a marketing strategy. Some examples of these marketing endeavors include: Online Food Hubs, electronic food trade websites (i.e. MarketMaker), direct sales through farm websites, Amazon Fresh etc. Despite their increasing popularity, both among producers and consumers, the research regarding electronic food marketing is rather limited. The purpose of this session is to discuss and examine: i) the development of electronic marketing, ii) future opportunities both for the industry and in terms of research needs, and iii) the potential problems in the development of this marketing outlet.

**Organizers:** Kar Ho Lim, Tennessee State University; Michael Vassalos, Clemson University

**Moderator:** Michael Vassalos, Clemson University

*Current Status and Perspectives of E-commerce in the Food Marketing System*

**Carlos E. Carpio,** Texas Tech University; Kelly Lange, Texas Tech University

*The Power of Customer Review in Online Grocery Shopping Revealed by Amazon Big Data*

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

*Consumer Preference for Grocery Shopping Mode: Comparing Online, Farmers Market and Supermarket*

**Kar Ho Lim,** Tennessee State University; Michael Vassalos, Clemson University; Joe L. Parcell, University of Missouri; Chao Chen, Nanjing Agricultural University; Harvey S. James, Jr., University of Missouri; Danning Xu, Nanjing Agricultural University

*Characteristics of Facebook Marketing Messages Used by Agribusinesses in the United States: Some Qualitative and Quantitative Results*

James N. Barnes III, Mississippi State University; **Kalyn T. Coatney,** Mississippi State University
Global fruit and vegetable (F&V) consumption and production have been increasing steadily over several decades. Latin American countries have considerably expanded their exports to the U.S. F&V markets with different market penetration rates. Latin American exports of F&V have generated new production systems, expanded rural employment and helped reduce poverty. Notwithstanding, foodborne illness outbreaks in the U.S. have been linked to domestic and imported produce and food safety standards are getting stricter. The new Food Safety and Modernization Act (FSMA) requires both the U.S. and imported produce to comply with new food safety standards. The session analyzes U.S. market penetration rates, source of origin as an intrinsic quality attribute for U.S. consumers, F&V trends and seasonality, major south land port of entries, and the compliance challenges of the new FSMA rules and its impact on future competitiveness of produce imports.

**Organizers:** Jose A. Lopez, Texas A&M University; Jaime E. Malaga, Texas Tech University

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

Latin American Competition for the U.S. Fruit and Vegetable Markets: Trends, Cases and Lessons Learned  
*Jaime E. Malaga*, Texas Tech University

A Case Study of U.S. Fruits and Vegetables Trade among NAFTA Countries  
*Jose A. Lopez*, Texas A&M University - Commerce

Flow Trends and Infrastructure Needs for Land Imports of Fruits and Vegetables  
*Luis A. Ribera*, Texas A&M University; Flynn J. Adcock, Texas A&M University

The Impact of Food Safety on Competitiveness of Latin American Produce Imports  
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