Welcome to Minneapolis, MN!

President’s Message

Welcome to Minneapolis!

Thank you very much for being a part of our AAEA Annual Meeting here in Minneapolis. The AAEA’s Culture of Engagement and the dynamic nature of our meeting very much rest on your contributions of your work, your open and active conversation with others about their work, and your involvement in planning sessions and activities. The conversation builds here on pressing economic and policy issues in food, agriculture, the environment, natural resources, health, regional economics, and international development, and all the intersections of these areas with additional applied economics fields.

We are pleased to welcome our AAEA members, new and veteran, to this wonderful city. We have a great program planned. Our expanded Meeting Mobile App allows you great access to the program and planning tools to organize your time—and allows you to travel a bit more lightly if you have chosen to go green without a paper copy of the program.

Our meeting kicks off with pre-conferences and mentoring workshops on Saturday followed by Networking Sunday—packed with Section and Committee Meetings, first rounds of the Academic Bowl and of the Graduate Student Case Study and Extension Competitions, the Early Career Professionals Networking Reception, and Section/Committee Receptions. The Keynote Address at 6 pm features Brian Wansink bringing us his innovative thinking on research and public policy work at the intersection of behavioral economics and nutrition. The Poster Reception follows, allowing you to get a first look at all the posters and meet authors before flowing into the Welcome Reception to meet up with old friends and make new ones.

Monday begins with Barry Goodwin’s Presidential Address, sharing his thoughts with us on the good, the bad, and the ugly in agricultural policy analysis. 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 on new work and engaging conversations about applied economics and policy. Posters and additional topics will be featured during Networking Lunch Periods on Monday and Tuesday. 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 B. Wade Brorsen, Robert P. King, John Loomis, and Thomas Reardon. Please give them a hearty congratulations when you see them throughout the meeting.

Conversation on economics and public policy are again a highlight of Tuesday’s program with Kathy Segerson in her Fellow’s Address focusing on her insights into the role of economics in interdisciplinary environmental policy debates. Jean Tirole’s Galbraith Forum Lecture on intellectual property and public policy wraps up the program in the early evening on Tuesday, followed by the closing reception. A very full program of Concurrent Sessions and a Networking Lunch make for an exciting program throughout the day on Tuesday. Two great post-conferences are offered on Wednesday.

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 to create our Culture of Engagement 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 Minneapolis to share with colleagues. And 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.

Julie A. Caswell
AAEA President
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The mobile app has many great features including:

• **My Schedule** - add sessions and events right onto your personal schedule.
• **Session Participants** - browse session participants including presenters, moderators, panelists, and more.
• **Twitter Feed** - to join the conversation, follow @AAEA_Economics and use #aaea2014.
• **Friends** - meet and connect with other Annual Meeting attendees.
• **All this and much more!**

Wi-Fi Network: **PSAV_Event_Solutions**
Password: **AAEA2014**

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Agricultural Leadership

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Julie A. Caswell, University of Massachusetts, Amherst

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Daniel I. Padberg 1988
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Sandra S. Batie 1990
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Bruce R. Beattie 1992
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Peter J. Barry 1994
Lawrence W. Libby 1995
Vernon Eidman 1996
Ralph D. Christy 1997
Walter J. Armbruster 1998
C. Richard Shumway 1999
John M. Antle 2000
Bruce L. Gardner 2001
Jean D. Kinsey 2002
Susan Offutt 2003
Jon A. Brandt 2004
Laurian J. Unnevehr 2005
Per Pinstrop-Andersen 2006
Steven T. Buccola 2007
Otto C. Doering, J1. 2008
Richard E. Just 2009
Ron Mittelhammer 2010
Thomas W. Hertel 2011
Robert P. King 2012
Richard J. Sexton 2013

American Journal of Agricultural Economics (AJAE)

Editors:
Brian Roe, The Ohio State University
Madhu Khanna, University of Illinois at Urbana-Champaign
Junjie Wu, Oregon State University
James Vercammen, University of British Columbia

Book Review Editor:
Michael Reed, University of Kentucky

Choices Magazine

Editors:
Mary Ahearn, USDA-Economic Research Service (Retired)
James Novak, Auburn University

Technical Editor:
Patricia Keough-Wilson, Plains Harvest Communications

Applied Economics Perspectives and Policy (AEPP)

Submitted Article Editors:
Joan Costa-i-Font, London School of Economics and Political Science
Terrance Hurley, University of Minnesota

Managing Editor:
Spiro Stefanou, The Pennsylvania State University
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 Minneapolis. The committee, with the help of dozens of topic leaders and over three hundred reviewers, fielded nearly 900 abstracts to create the topically diverse, high quality sessions that will be presented over the course of the 2014 Annual Meeting.

Chair: Peyton Ferrier, USDA-Economic Research Service
Jayson Lusk, Oklahoma State University, Board Liaison
Kelly Cobourn, Virginia Polytechnic Institute and State University
Carlos Carpio, Texas Tech University
Luisa Menapace, University of Trento
Jerome Dumortier, Indiana State University-Purdue University Indianapolis
Gary Williams, Texas A&M University

Topic Leaders:
Alexander Saak, International Food Policy Research Institute
Alicia Rosburg, University of Northern Iowa
Alison Davis, University of Kentucky
Anna D’Souza, USDA-Economic Research Service
Ariun Ishdorj, Texas A&M University
Brad Lubben, University of Nebraska-Lincoln
Carlos Carpio, Texas Tech University
Carola Grebitus, Arizona State University
Chen Zhen, RTI International
Collin Payne, New Mexico State University
David Davis, South Dakota State University
Dawn Thilmany McFadden, Colorado State University
Elizabeth Marshall, USDA-Economic Research Service
Elizabeth Yeager, Purdue University
Emi Uchida, University of Rhode Island
Hope Michelson, Columbia University
Hung Hao Chang, National Taiwan University
Jaclyn Donna Kropp, University of Florida
Jacob Ricker-Gilbert, Purdue University
Jerome Dumortier, Indiana State University
- Purdue University Indianapolis
Joleen Hadrich, Colorado State University
Juan-Pablo Sesmero, Purdue University
Kathryn Boys, Virginia Polytechnic Institute and State University
Keith Evans, St. Lawrence University
Laura McCann, University of Missouri
Lisa Mancino, USDA-Economic Research Service
Maoyang Fan, Ball State University
Michael Delgado, Purdue University
Mindy Mallory, University of Illinois at Urbana-Champaign
Nathan Hendricks, Kansas State University
Nick Parker, University of Wisconsin-Madison
Rebecca Epanchin-Niell, Resource for the Future
Sarah Low, USDA-Economic Research Service
Senarath Dharmasena, Texas A&M University
Subhra Bhattacharjee, Human Development Report Office, United Nations Development Program
Tod Graciano, Ernst and Young
Todd Kuether, University of Illinois at Urbana-Champaign
Wen You, Virginia Polytechnic Institute and State University
Yanhong Jin, Rutgers University
Yong Chen, Oregon State University
Younjun Kim, Iowa State University

Thank you to all the 2014 AAEA Annual Meeting reviewers! This year, AAEA had over 300 Selected Presentation reviewers. The 2014 Annual Meeting would not be possible without the help of these volunteers.

This year, AAEA recruited volunteer moderators for Selected Presentation Paper sessions. Building on the Culture of Engagement discussed in AAEA President, Julie Caswell’s, January column in The Exchange, we asked that these moderators actively foster discussion during their session. Thank you to all of the volunteer moderators!
Meeting Information

Registration Desk Hours

_Hyatt Regency, Nicollet Promenade, Main Level_

Saturday, July 26, 4:00 pm – 7:00 pm  
Sunday, July 27, 7:30 am – 7:30 pm  
Monday, July 28, 7:30 am – 5:00 pm  
Tuesday, July 29, 7:30 am – 4:00 pm

Wi-Fi Access

AAEA is providing free Wi-Fi access at the Hyatt Regency for all 2014 AAEA Annual Meeting attendees.  
Wi-Fi Network: PSAV_Event_Solutions  
Network Password: AAEA2014

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.

Tickets

Tickets are required for all speaker series luncheons and banquets, as well as other special events. A limited number of tickets may be available for sale on site. If available, tickets will be sold at the registration desk up until the day before the event. No tickets 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

Thank you!

CHS Foundation

• General

Farm Foundation

• GSS (Graduate Student Section) Extension Competition  
• AEM/GSS (Agribusiness Economics and Management Section/Graduate Student Section) Case Study Competition

National Crop Insurance Services (NCIS)

• COSBAE/CWAE (Committee on the Opportunities and Status of Blacks in Agricultural Economics Section/Committee on Women in Agricultural Economics Section) Luncheon  
• Extension Section

AgStar

• General
Exhibitors

AgEcon Search

AgEcon Search is a free, open access repository of full-text scholarly literature in agricultural and applied economics, including: working papers, conference papers and journal articles. Stop by to learn how you can help us grow.

Center for Agricultural and Rural Development

The Center for Agricultural and Rural Development (CARD) was established to address the issues and unintended consequences of agricultural policies. In the last 50 years, CARD has become one of the most well-known agricultural policy institutes in the United States for conducting nonpartisan public policy and economic research on agricultural, environmental, and food issues.

Oxford University Press

Oxford University Press USA is the US branch of Oxford University Press in Oxford, England (OUP UK), which is a department of Oxford University and is the oldest and largest continuously operating university press in the world.

Purdue University

Purdue University has one of the best colleges of agriculture in the nation and the world. The College of Agriculture was recently ranked 6th in the world by QS World University Rankings. As the Indiana land-grant institution, we are committed to providing exceptional education for our students; discovering knowledge that stretches the frontiers of science and provides solutions to societal challenges; and, through Purdue Extension, helping the people of Indiana, the nation and the world improve their lives and livelihoods.

The Council on Food, Agricultural, and Resource Economics (C-FARE)

The Council on Food, Agricultural, and Resource Economics (C-FARE) is a non-profit organization dedicated to strengthening the national presence of the agricultural economics profession. C-FARE’s governing board includes prominent agricultural economists representing a wide range of public and private sector interests.

University of Missouri

The College of Agriculture, Food and Natural Resources at the University of Missouri offers graduate students, undergraduate students, producers, and industry professionals real-world future market trading experiences through, Real Money: Speculative Trading for Beginners. This online course focuses on investment, speculation and hedging to assist with risk management decisions. Sign up today for this experiential learning opportunity and invest real money into a pool and have first-hand experience with assisting and recommending trades.

USDA-Economic Research Service

The ERS mission is to inform and enhance public and private decision making on economic and policy issues related to agriculture, food, the environment, and rural development. With over 300 employees, The Economic Research Service is a primary source of economic information and research in the U.S. Department of Agriculture.

USDA-National Agricultural Statistics Service

USDA, National Agricultural Statistics Service (NASS) disseminates data on every facet of U.S. agriculture. The agency conducts hundreds of surveys and issues 400 reports annually. NASS also conducts the Census of Agriculture every 5 years, providing the only source of detailed agricultural data for every county in the nation. NASS reports are available at www.nass.usda.gov.
**Undergraduate Recruitment Fair**

Monday, July 28, 8:00 am – 4:00 pm

Pre-function space outside of Skyway and St. Croix rooms, Second Level

The Undergraduate Recruitment Fair gives undergraduate students who are in Minneapolis a chance to 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:**

- University of Arkansas
- University of Georgia
- Oklahoma State University
- Purdue University
- Texas A&M University
- University of Kentucky

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**Crop Insurance and the 2014 Farm Bill:**
Implementing Change in U.S. Agricultural Policy

October 8-9 • Louisville, KY

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Plenary Sessions

Keynote Address

Sunday, 6:00 pm–7:00 pm
Nicollet Ballroom ABC, Main Level

Brian Wansink
Cornell University
“Rethinking Behavioral Change: The Promise and Pitfalls of Behavioral Economics”

Brian Wansink received his PhD in Consumer Behavior in 1990 from Stanford University. Wansink founded the Food and Brand Lab in 1997 at the University of Illinois. In 2005, he moved with his Lab to the Department of Applied Economics and Management at Cornell University in Ithaca, NY. At Cornell, he is the John S. Dyson Professor of Marketing, Director of the Cornell Food and Brand Lab (http://FoodPsychology.cornell.edu), Co-Director of the Cornell Center for Behavioral Economics in Child Nutrition Programs (http://ben.cornell.edu), and cofounder of the Smarter Lunchrooms Movement (http://smarterlunchrooms.org). He is best known for his work on consumer behavior and food and for popularizing terms such as “mindless eating” and “health halos.” His research has focused on how microenvironments influence what and how much people eat and how much they enjoy it. He is the author of over 100 academic articles and books, including Marketing Nutrition (2005) and the best-selling book Mindless Eating: Why We Eat More Than We Think (Bantam Dell, 2006). He is a 2007 recipient of the humorous Ig Nobel Prize and was named ABC World News Person of the Week on January 4, 2008. Since 2006, Wansink has written a monthly column on food behavior for MSNBC entitled Chew on This. In July 2007 he joined Prevention.com as one of their two nutrition columnists, writing the column Food Think with Wansink. Between 2007 and 2009 Wansink was granted a leave from Cornell to become the Executive Director of the Center for Nutrition Policy and Promotion in Washington DC, leading the development of the USDA 2010 Dietary Guidelines. In January of 2009 he returned to his job at Cornell University.

AAEA Presidential Address

Monday, 8:30 am–9:30 am
Nicollet Ballroom ABC, Main Level

Barry Goodwin
North Carolina State University
“Agricultural Policy Analysis: The Good, the Bad, and the Ugly”

Barry Goodwin is William Neal Reynolds Distinguished Professor in the Department of Agricultural and Resource Economics and Economics at North Carolina State University. He holds a PhD in economics from North Carolina State University. He has held faculty positions at Kansas State University and The Ohio State University. His teaching, research, and outreach efforts have addressed a wide range of problems in agriculture, including policy, trade, risk management, price analysis, and econometrics. He has been on numerous editorial boards and has participated in a wide variety of activities important to the advancement of the agricultural economics profession. His research is widely cited, and he has received numerous research awards, including outstanding article awards from the AAEA, the WAEA, and the CAEA. He served on the AAEA Board of Directors from 2009-2011 and is on the Executive Board of the International Agricultural Trade Research Consortium (IATRC). He was inducted as a Fellow of the AAEA in 2006.
Plenary Sessions

AAEA Fellows Address

Tuesday, 8:30 am–9:30 am
Nicollet Ballroom ABC, Main Level

Kathleen Segerson
University of Connecticut
“The Role of Economics in Interdisciplinary Environmental Policy Debates: Challenges and Opportunities”

Dr. Kathleen Segerson is a Board of Trustees Distinguished Professor of Economics at the University of Connecticut. She is an environmental economist, with a strong interest in collaborative interdisciplinary work. Her research within economics has focused primarily on the incentive effects of alternative environmental policy instruments, including applications in the following areas: groundwater contamination, hazardous waste management, and work place accidents; land use regulation, climate change and nonpoint pollution from agriculture. In addition, she has been a participant in several projects related to ecosystem services and to the protection of marine species.

Dr. Segerson is a fellow of the Association of Environmental and Resource Economists (AERE) and of the Agricultural & Applied Economics Association (AAEA). She is past-president of AERE, and has served as Vice-President and a member of the AERE Board of Directors. She is currently a co-editor of the new Journal of the Association of Environmental and Resource Economists and has previously served as a co-editor and an associate editor of the American Journal of Agricultural Economics and an associate editor of the Journal of Environmental Economics and Management. Dr. Segerson has been a member of the Chartered Board of the U.S. Environmental Protection Agency’s Science Advisory Board (SAB), and has served on several SAB committees, including serving as vice-chair for the Committee on Valuing the Protection of Ecological Systems and Services. She is also currently a member of the Board on Agriculture and Natural Resources of the National Research Council (NRC) of the National Academy of Sciences. Past service also includes several advisory committees for the NRC and the National Science Foundation, including recent service on the NRC Panel on the Review of the National Climate Assessment. She also serves on the Centre Advisory Panel of the Nordic Center on Research on Marine Ecosystems and Resources under Climate Change and the External Advisory Board of the National Socio-Environmental Synthesis Center (SESYNC).

Dr. Segerson holds a BA in mathematics from Dartmouth College and a PhD in agricultural and resource economics from Cornell University.

AAEA Galbraith Forum

Tuesday, 6:15 pm–7:15 pm
Nicollet Ballroom ABC, Main Level

Jean Tirole
Toulouse School of Economics
“Intellectual Property and Public Policy”

The future of several industries hinges on public policy toward intellectual property. This lecture will investigate a couple of challenges faced by policymakers. New technologies tend to be covered by a wide array of patents issued to the different firms that contribute components to the technology. Public policy thereby confronts two major policy issues concerning the diffusion and sharing of intellectual property. First, the patent thicket is conducive to “royalty stacking”, threatening the diffusion of the technology. Second, when standardization is necessary, any patent needed to practice the standard becomes a “standard-essential patent” and the patent owner can ask for a high royalty even when other patents could have offered comparable value, had the technology been morphed differently. The lecture will discuss public policy reforms that would favor widespread technology diffusion while rewarding only truly innovative contributions.
Speaker Series Events

COSBAE/CWAE Speaker Series & Luncheon

Monday, 11:30 am - 1:00 pm
Millenium Hotel, North Grand, Lobby Level
This is a ticketed event. The cost to attend is $45.*

Kellee James Mercaris, Founder and CEO of Mercaris
“Economists, Externalities & Entrepreneurship: A Call to Find New Ways to Address Big Challenges in Agriculture, Energy, Water and Waste”

Kellee James is Founder and CEO of Mercaris, a market data service and trading platform for organic, non-GMO and other identity-preserved agricultural commodities. Prior to Mercaris, Kellee spent five years at the Chicago Climate Exchange (CCX), the first electronic trading platform and registry for spot, futures and options contracts on carbon, sulfur, clean energy and other environmental products. In 2009, she was appointed by President Barack Obama as a White House Fellow where she advised members of the administration on environmental markets. She has also worked with coffee farmers and commodity banks in Latin America on risk management and income diversification strategies. Kellee was named by both Black Enterprise Magazine and Crain's Chicago Business Magazine as a ‘40 under 40’ rising leader. Ms. James is an Aspen Institute Catto Environmental Fellow and has also served on the board of Net Impact, a membership organization of more than 12,000 MBA professionals committed to sustainability. She is currently a non-resident senior fellow at the Joint Center for Political & Economic Studies, a think tank in Washington, DC. Kellee received her MBA and MA in International Development from American University and completed a BA in Spanish from the University of Kentucky.

Extension Speaker Series & Luncheon

Monday, 11:30 am - 1:00 pm
Millenium Hotel, Center Grand, Lobby Level
This is a ticketed event. The cost to attend is $45.*

Mike Boehlje, Purdue University
“Engagement and the Future of the Land Grant University”

Mike Boehlje is a distinguished professor in the Department of Agricultural Economics and the Center for Food and Agricultural Business at Purdue University. He previously held faculty and administrative positions at Iowa State University, University of Minnesota and Oklahoma State University. Mike has devoted his career to helping farm and agribusiness managers and policymakers understand the pragmatic economic and financial consequences of their decisions. The fundamental focus of his work has been to integrate concepts of economics, finance and strategy to solve problems of farm and agribusiness managers. A major theme of Mike's research, writing and lecturing for the past 10 years, has been the importance of strategic planning and thinking, and positioning the firm for long-term viability and success. His work has attempted to extend and apply modern management concepts of systems analysis, process control, transactions cost, strategic positioning, real options and supply/value chain management to the food production, processing and distribution system.

International Speaker Series and Banquet

Monday, 8:00 pm - 9:00 pm
Hyatt Regency, Regency, Second Level
This is a ticketed event. The cost to attend is $85.*

Tim Kehoe, University of Minnesota
“The Stages of Economic Growth Revisited”

Tim Kehoe received his BA in Economics and Mathematics from Providence College in 1975 and his PhD from Yale University in 1979. He has taught at Wesleyan University, the Massachusetts Institute of Technology, and the University of Cambridge in England. Since 1987, Tim has been a Professor in the Department of Economics at the University of Minnesota where he is Distinguished McKnight University Professor, Director of Graduate Studies, and a highly sought teacher and graduate advisor. He has written over 100 books and scholarly articles and has supervised or co-supervised more than 70 PhD theses in Economics. He is also an adviser at the Federal Reserve Bank of Minneapolis. His research and teaching focus on the theory and application of general equilibrium models. Tim has advised the Spanish government on the impact of joining the European Community in 1986, the Mexican government on the impact of joining NAFTA in 1994, and the Panamanian government on the impact of unilateral foreign trade and investment reforms in 1998. Tim was elected a Fellow of the Econometric Society in 1991, was elected Miembro de Honor of the Asociación Española de Economía in 2010, and was elected one of first Economic Theory Fellows of the Society for the Advancement of Economic Theory in 2011.

*If available, tickets for these events will be sold at the registration desk until the day before the event. No tickets will be sold the day of the event.
Meeting Timeline

Saturday, July 26

*Registration Desk Hours:* 4:00 pm–7:00 pm – Nicollet Promenade, Main Level

8:00 am–5:00 pm
Pre-conference Workshop: Applied Computational Economics
Greenway A-J, Second Level

8:00 am–3:00 pm
Mentorship Workshop
Skyway A-B, Second Level

11:30 am–5:00 pm
LI-LMI Workshop
Minnehaha, Second Level

1:00 pm–5:00 pm
Pre-conference Workshop: Economics of Pollinator Health
Mirage, Second Level

4:00 pm–6:00 pm
Association Roundtable
Executive Boardroom, Fourth Level

Sunday, July 27

*Registration Desk Hours:* 7:30 am–7:30 pm – Nicollet Promenade, Main Level
*Employment Center Hours:* 9:30 am–5:00 pm – Nicollet Ballroom D, Main Level

7:30 am–9:00 am
Section Leader Meeting
Greenway J, Second Level

8:00 am–1:30 pm
AJAE Editors’ Meeting
Greenway A, Second Level

8:00 am–3:00 pm
GSS Extension Competition
Lakeshore A, Main Level

8:00 am–3:00 pm
GSS Case Study Competition
Lake Nokomis, Lake Calhoun, and Lake Harriet, Fourth Level

9:00 am–10:30 am
FSN Section Business Meeting
Greenway B, Second Level

9:00 am–10:30 am
TLC Section Business Meeting
Greenway C, Second Level

10:00 am–11:00 am
ARA Section Business Meeting
Greenway E, Second Level
## Meeting Timeline

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<th>Event</th>
<th>Location</th>
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<td>CWAE Section Business Meeting</td>
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<td>10:30 am–11:30 am</td>
<td>Early Career Development Committee Meeting</td>
<td>Greenway F, Second Level</td>
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<td>10:30 am–11:30 am</td>
<td>ESIRC Committee Meeting</td>
<td>Greenway G, Second Level</td>
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<tr>
<td>11:00 am–12:00 pm</td>
<td>Outreach Committee Meeting</td>
<td>Greenway I, Second Level</td>
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<tr>
<td>11:30 am–12:00 pm</td>
<td>Employment Services Committee Meeting</td>
<td>Nicollet Ballroom D, Main Level</td>
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<tr>
<td>12:00 pm–1:00 pm</td>
<td>AAEA Trust Committee Meeting</td>
<td>Greenway C, Main Level</td>
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<tr>
<td>1:00 pm–4:00 pm</td>
<td>NAAEA Section Business Meeting</td>
<td>Greenway J, Second Level</td>
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<tr>
<td>1:00 pm–2:00 pm</td>
<td>AFM Section Business Meeting</td>
<td>Greenway D, Second Level</td>
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<tr>
<td>1:15 pm–2:15 pm</td>
<td>Membership Committee Meeting</td>
<td>Greenway E, Second Level</td>
</tr>
<tr>
<td>1:30 pm–2:30 pm</td>
<td>AJAE Editorial Board Meeting</td>
<td>Greenway A, Second Level</td>
</tr>
<tr>
<td>2:00 pm–3:00 pm</td>
<td>Land, Water, and Environmental Section Business Meeting</td>
<td>Greenway D, Second Level</td>
</tr>
<tr>
<td>2:00 pm–3:00 pm</td>
<td>Econometrics Section Business Meeting</td>
<td>Greenway F, Second Level</td>
</tr>
<tr>
<td>2:00 pm–3:30 pm</td>
<td>Latin American Section Business Meeting</td>
<td>Greenway G, Second Level</td>
</tr>
<tr>
<td>2:00 pm–4:00 pm</td>
<td>COSBAE Section Business Meeting</td>
<td>Greenway H, Second Level</td>
</tr>
</tbody>
</table>
Meeting Timeline

2:30 pm–3:30 pm
Related Journal Editors’ Meeting
Greenway A, Second Level

2:30 pm–3:30 pm
Finance Committee Meeting
Greenway I, Second Level

3:00 pm–4:00 pm
CRENET Section Business Meeting
Greenway D, Second Level

3:00 pm–4:00 pm
Extension Section Business Meeting
Greenway F, Second Level

3:00 pm–4:00 pm
AEM Section Business Meeting
Greenway B, Second Level

3:00 pm–4:00 pm
Communications/Publications Committee Meeting
Greenway C, Second Level

3:00 pm–5:30 pm
Student Section Paper Competition
Lakeshore B, Main Level

4:00 pm–5:00 pm
International Section Business Meeting
Greenway I, Second Level

4:00 pm–5:00 pm
FAMPS Section Business Meeting
Greenway E, Second Level

4:30 pm–6:00 pm
Senior Section Business Meeting and Reception
Greenway B, Second Level

4:30 pm–6:00 pm
Early Career Professionals Networking Reception
Regency, Second Level

5:00 pm–6:00 pm
Extension Section Reception
Mirage, Second Level

5:00 pm–6:00 pm
CWAE Section Reception
Skyway A-B, Second Level

5:00 pm–6:00 pm
COSBAE Section Reception
Greenway J, Second Level
Meeting Timeline

5:00 pm–6:00 pm
AEM Section Reception
*Minnehaha, Second Level*

5:00 pm–6:00 pm
China Section Business Meeting and Reception
*St. Croix, Second Level*

6:00 pm–7:00 pm
Keynote Address: Brian Wansink, Cornell University
*Nicollet Ballroom ABC, Main Level*

7:00 pm–9:00 pm
SS-AAEA Student Mixer and Academic Bowl Orientation
*Lakeshore A, Main Level*

7:00 pm–8:00 pm
Poster Reception
*Hyatt Exhibit Hall, Main Level*

8:00 pm–10:00 pm
Welcome Reception
*Greenway Ballroom, Second Level*

**Monday, July 28**

*Registration Desk Hours*: 7:30 am–5:00 pm – Nicollet Promenade, Main Level
*Employment Center Hours*: 9:30 am–5:00 pm – Nicollet Ballroom D, Main Level
*Exhibit Booth Hours*: 8:00 am–4:00 pm – Nicollet Promenade, Main Level
*Poster Hall Hours*: 8:00 am–4:00 pm – Hyatt Exhibit Hall, Main Level

8:00 am–9:00 am
Coffee Break
*Nicollet Promenade, Main Level*

8:00 am–4:00 pm
SS-AAEA Academic Bowl
*Skyway A, B, and St. Croix, Second Level*

8:00 am–4:00 pm
Undergraduate Recruitment Fair
*Pre-function space near Skyway and St. Croix Rooms, Second Level*

8:00 am–8:30 am
AAEA Business Meeting
*Nicollet Ballroom ABC, Main Level*

8:30 am–9:30 am
AAEA Presidential Address: Barry Goodwin, North Carolina State University
*Nicollet Ballroom ABC, Main Level*

9:45 am–11:15 am
Concurrent Sessions
### Meeting Timeline

<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:30 am – 1:00 pm</td>
<td>Poster Presentations (Odd Poster Numbers)</td>
<td>Hyatt Exhibit Hall, Main Level</td>
</tr>
<tr>
<td>11:30 am – 1:00 pm</td>
<td>COSBAE/CWAE Speaker Series &amp; Luncheon</td>
<td>Millennium Hotel, North Grand, Lobby Level</td>
</tr>
<tr>
<td>11:30 am – 1:00 pm</td>
<td>Extension Section Speaker Series &amp; Luncheon</td>
<td>Millennium Hotel, North Grand, Lobby Level</td>
</tr>
<tr>
<td>1:00 pm – 2:30 pm</td>
<td>Concurrent Sessions</td>
<td></td>
</tr>
<tr>
<td>1:30 pm – 4:00 pm</td>
<td>GSS Case Study Finals</td>
<td>Lake Calhoun and Lake Nokomis, Fourth Level</td>
</tr>
<tr>
<td>2:15 pm – 2:45 pm</td>
<td>Coffee Break</td>
<td>Nicollet Promenade, Main Level</td>
</tr>
<tr>
<td>2:45 pm – 4:15 pm</td>
<td>Concurrent Sessions</td>
<td></td>
</tr>
<tr>
<td>4:30 pm – 6:00 pm</td>
<td>Concurrent Sessions</td>
<td></td>
</tr>
<tr>
<td>6:00 pm – 6:30 pm</td>
<td>SS-AAEA Academic Bowl Finals</td>
<td>Nicollet Ballroom ABC, Main Level</td>
</tr>
<tr>
<td>6:30 pm – 7:45 pm</td>
<td>AAEA Awards &amp; Fellows Recognition Ceremony</td>
<td>Nicollet Ballroom ABC, Main Level</td>
</tr>
<tr>
<td>7:30 pm – 8:00 pm</td>
<td>International Section Reception</td>
<td>Pre-function space outside Northstar A, Second Level</td>
</tr>
<tr>
<td>8:00 pm – 9:30 pm</td>
<td>International Speaker Series and Banquet</td>
<td>Northstar A, Second Level</td>
</tr>
<tr>
<td>8:00 pm – 9:00 pm</td>
<td>Student Section Business Meeting</td>
<td>Lakeshore B, Main Level</td>
</tr>
<tr>
<td>9:00 pm – 11:00 pm</td>
<td>Reunions and Receptions</td>
<td>Hyatt Regency, Second Level (See page 17)</td>
</tr>
</tbody>
</table>
Meeting Timeline

Tuesday, July 29

**Registration Desk Hours:** 7:30 am–4:00 pm – Nicollet Promenade, Main Level
**Employment Center Hours:** 9:30 am–4:00 pm – Nicollet Ballroom D, Main Level
**Exhibit Booth Hours:** 8:00 am–4:00 pm – Nicollet Promenade, Main Level
**Poster Hall Hours:** 8:00 am–2:00 pm – Hyatt Exhibit Hall, Main Level

8:00 am–9:00 am
Coffee Break
*Nicollet Promenade, Main Level*

8:30 am–9:30 am
AAEA Fellows Address: Kathleen Segerson, University of Connecticut
*Nicollet Ballroom ABC, Main Level*

9:45 am–11:15 am
Concurrent Sessions

11:15 am–12:25 pm
Poster Presentations (Even Poster Numbers)
*Hyatt Exhibit Hall, Main Level*

11:15 am–12:45 pm
Networking Lunch
*Hyatt Exhibit Hall and Nicollet Promenade, Main Level*

11:30 am–12:30 pm
IBES Section Business Meeting
*Harmon, Second Level*

11:30 am–12:30 pm
Connecting with African Agricultural Economics Networks: Opportunities to Support Education and Research through the African Economics Research Consortium (AERC) and the Nouveau Programme de Troisième Cycle Interuniversitaire (NPTCI)
*Lakeshore B, Main Level*

11:30 am–12:30 pm
FCIC Committee Meeting
*Lakeshore C, Main Level*

1:00 pm–2:30 pm
Concurrent Sessions

2:15 pm–2:45 pm
Coffee Break
*Nicollet Promenade, Main Level*

2:45 pm–4:15 pm
Concurrent Sessions

4:30 pm–6:00 pm
Concurrent Sessions

6:15 pm–7:15 pm
AAEA Galbraith Forum: Jean Tirole, Toulouse School of Economics
*Nicollet Ballroom ABC, Main Level*
Meeting Timeline

7:15 pm–8:15 pm
Closing Reception
Nicollet Ballroom D, Main Level

Wednesday, July 30

6:00 am–2:00 pm
Extension Section Post-conference Tour
Off-site Tour

8:30 am–3:30 pm
Post-conference Workshop: Role of Agricultural and Applied Economics in Supporting Macroeconomic Literacy
Off-site at Federal Reserve Bank of Minneapolis

Reunions & Receptions

Monday, 9:00 pm–11:00 pm
Hyatt Regency, Second Level

University of Missouri, University of Nebraska, Kansas State University, Oklahoma State University
Greenway B-I, Second Level

Washington State University, Oregon State University, University of Idaho
Greenway C-H, Second Level

University of Illinois, The Ohio State University, Purdue University, Michigan State University
Regency, Second Level

Louisiana State University, University of Arkansas, Mississippi State University, University of Georgia, University of Florida, Auburn University, Texas A&M University, University of Kentucky
Mirage, Second Level

Cornell University, The Pennsylvania State University
Greenway A-J, Second Level

Giannini Foundation of Agricultural Economics, University of California-Berkeley, University of California-Davis
Greenway D-G, Second Level

University of Minnesota, Iowa State University, University of Wisconsin
Skyway, Second Level

North Carolina State University, University of Maryland, Virginia Polytechnic Institute and State University
Greenway E-F, Second Level
Professional Development Activities and Sessions

**Early Career Professionals Networking Reception**
Sunday, 4:30 pm – 6:00 pm, Regency

**Student Competitions**

AEM/GSS Case Study Competition
Sunday, 8:00 am – 3:00 pm, Lake Nokomis, Lake Calhoun and Lake Harriet

Graduate Student Extension Competition
Sunday, 8:00 am – 3:00 pm, Lakeshore A

Undergraduate Student Paper Competition
Sunday, 3:00 pm – 5:30 pm, Lakeshore B

Undergraduate Student Academic Bowl
Competition: Monday, 8:00 am – 4:00 pm, Skyway A, B, and St. Croix
Finals: Monday, 6:00 pm – 6:30 pm, Nicollet Ballroom ABC

**Concurrent Sessions that may be of interest to Early Career Professionals**

Session 1010: Leadership, Legacy, and Love – Remembering Dr. Sylvia Lane, her contribution to AAEA and Impacts on Emerging Scholars Organized Symposium (Teaching, Communication and Extension)
Organized Symposium
Monday, 9:45 am – 11:15 am, Greenway J

Session 1007: Teaching Tips from AAEA Award Winners
Track Session (GSS/TLC)
Monday, 9:45 am – 11:15 am, Greenway C

Session 1047: A Reflection on the Agricultural/Applied Economics Profession through the Lens of Our Veterans
Track Session (COSBAE/CWAE)
Monday, 2:45 pm – 4:15 pm, Lakeshore C

Session 1075: How to Fund and Where to Publish the Scholarship of Teaching and Learning in Agricultural Economics and Agribusiness
Organized Symposium
Monday, 4:30 pm – 6:00 pm, Northstar A

Session 2031: How to Apply for a Career or Graduate School
Track Session (GSS)
Tuesday, 1:00 pm – 2:30 pm, Minnehaha

Session 2036: Powerful Circumstances for Successful Career Moves
Organized Symposium
Tuesday, 1:00 pm – 2:30 pm, Northstar A

Session 2059: Graduate Student Extension Competition Winners
Track Session (EXT/GSS)
Tuesday, 2:45 pm – 4:15 pm, Mirage

Session 2081: Preparing Our Students for Successful Industry Careers through Active Learning and Extracurricular Opportunities
Track Session (AEM/TLC)
Tuesday, 4:30 pm – 6:00 pm, Lakeshore A

Session 2086: Tips on Communicating in an Academic Setting
Track Session (GSS)
Tuesday, 4:30 pm – 6:00 pm, Greenway A

**Data & Research**

Session 1008: Agribusiness Data: Where Do We Get It? What Are The Questions We Should Be Answering? And What Big Data Means for Our Research
Selected Paper Presentation
Monday, 9:45 am – 11:15 am, Greenway B

Session 1033: New Data Opportunities and Data Challenges for Agricultural Economics Research Organized Symposium
Organized Symposium
Monday, 1:00 pm – 2:30 pm, Northstar B

Session 1046: Agricultural and Applied Economics Priorities for Government Statistics
Track Session (ECONO/Senior)
Monday, 2:45 pm – 4:15 pm, Lakeshore B

Session 1053: The National Household Food Acquisition and Purchase Survey: Early Findings and Future Research Directions
Organized Symposium
Monday, 2:45 pm – 4:15 pm, Northstar A

Session 2083: Developing Smarter Metrics: Quantifying Outcomes and Impacts from Interdisciplinary Efforts
Track Session (NAAEA)
Tuesday, 4:30 pm – 6:00 pm, Skyway A

**Extension**

Session 1024: Effective Approaches to Working with Hard-to-Contact Limited Resource Agricultural Producers
Track Session (COSBAE/CWAE)
Monday, 1:00 pm – 2:30 pm, Lakeshore B

**Food/Health/Behavioral**

Track Session (IBES)
Monday, 9:45 am – 11:15 am, Greenway A

Session 1072: To Nudge or Not to Nudge: When Does Food Policy Become Paternalism?
Track Session (FSN/IBES)
Monday, 4:30 pm – 6:00 pm, Greenway A
### Posters

*Hyatt Exhibit Hall, Main Level*

All posters will be on display during Sunday night’s Poster Reception and on Monday and Tuesday. Poster presenters with odd poster numbers will present at 11:30 am–1:00 pm on Monday and posters with even numbers will present 11:15 am–12:45 pm on Tuesday.

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<tr>
<th>Section</th>
<th>Title</th>
<th>Presenters</th>
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<tbody>
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</tr>
<tr>
<td>1</td>
<td>Shuanghui International’s Strategic Acquisition of Smithfield Foods</td>
<td>Mary Marchant, Virginia Polytechnic Institute and State University; Chaoping Xie, Virginia Polytechnic Institute and State University; Hongjun Tao, Fuzhou University</td>
</tr>
<tr>
<td>2</td>
<td>Economic Feasibility Study of an Onsite Biorefinery in West Texas From Using Cotton Gin Waste</td>
<td>Abbes Tangaoui, Texas Tech University</td>
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<tr>
<td><strong>China Section</strong></td>
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<tr>
<td>3</td>
<td>The Economic Competitiveness and Carbon Dioxide Emission of Electric Vehicle in China</td>
<td>Xin Zhao, Purdue University; Otto Doering, Purdue University</td>
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<tr>
<td><strong>Committee on Women in Agricultural Economics Section (CWAE)</strong></td>
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<td>4</td>
<td>Illiteracy, Risk Aversion and Child Health Knowledge in Rural Guatemala</td>
<td>Brooke Krause, University of Minnesota</td>
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<tr>
<td>5</td>
<td>Gender Differences in Agricultural Economics</td>
<td>Cheryl Wachenheim, North Dakota State University</td>
</tr>
<tr>
<td>6</td>
<td>2005 EPA Impact on Ethanol Import Demand</td>
<td>Ekaterina Vorotnikova, University of Florida; Serhat Aci, University of Florida</td>
</tr>
<tr>
<td><strong>Extension Section</strong></td>
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<tr>
<td>7</td>
<td>Developing Local Food Systems in the South: Peeling Back the Layers</td>
<td>Harold Goodwin Jr., University of Arkansas; Ron Rainey, University of Arkansas; Sandra Martini, University of Arkansas</td>
</tr>
<tr>
<td><strong>Food and Agricultural Marketing Policy Section (FAMPS)</strong></td>
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<tr>
<td>8</td>
<td>Demographic and Economic Factors Affecting Demand for Brand-Level Milk in Texas</td>
<td>Senarath Dharmasena, Texas A&amp;M University; Oral Capps, Jr., Texas A&amp;M University</td>
</tr>
<tr>
<td>9</td>
<td>Tradeoffs –Biofuel versus Food Production: Empirical Measures of the Impact on Indirect Land Use and Food Prices</td>
<td>Zabid Iqbal, Iowa State University, Bruce Babcock, Iowa State University</td>
</tr>
<tr>
<td>10</td>
<td>Geographic Patterns in the Choice of Crop Insurance</td>
<td>Sulagna Sarkar, Iowa State University</td>
</tr>
<tr>
<td>11</td>
<td>An Investigation of the Public Attitudes towards Genetically Modified Organism in the United States through Comments on Web-based Social Media</td>
<td>Xiang Li, University of Kentucky; Michael Reed, University of Kentucky; Christopher Arends, University of Kentucky</td>
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<tr>
<td><strong>Food and Safety Nutrition Section (FSN)</strong></td>
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<tr>
<td>12</td>
<td>Do Supermarkets Promote Fresh Vegetable and Fruit Consumption in Urban Ghana? An Application of Non-parametric Analysis</td>
<td>Ting Meng, University of Georgia; Wojciech Florkowski, University of Georgia; Daniel Sarpong, University of Ghana-Legon; Manjeet Chinnan, University of Georgia; Anna Resurreccion, University of Georgia</td>
</tr>
<tr>
<td>13</td>
<td>Measuring Willingness-to-Pay for Calorie and Sweetener Labeling when Controlling for Taste</td>
<td>Karen Lewis, Arizona State University; Carola Grebitus, Arizona State University; Rodolfo Nayga, University of Arkansas</td>
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Posters

International Section

14 The Impact of the African Growth and Opportunity Act (AGOA): An Empirical Analysis of Sub-Saharan African Agricultural Exports
Addisalem Zenebe, University of Nebraska-Lincoln

15 A New Perspective on Infrastructure and Economics: Lessons from Afghanistan
Cheryl Wachenheim, North Dakota State University

16 Estimated Returns for Improved Quality of Raisins from Afghanistan
Stacy McCoy, Purdue University; Kevin McNamara, Purdue University

17 Potential Impacts of an Exclusionary Trans-Pacific Partnership Agreement on Japanese Agriculture
Amanda Leister, Colorado State University; Jada Thompson, Colorado State University

18 Global Consumption Patterns and the Effectiveness of Taxing Sugar-Sweetened Beverages
Andrew Muhammad, USDA-Economic Research Service; Kari Heerman, USDA-Economic Research Service; Dariush Mozaffarian, Harvard School of Public Health

Latin American Section (LAS)

19 Structural Changes in Mexico Beef Cattle Industry: Implications to US Beef Industry
Sabar Angadjivand, USDA-Economic Research Service; Keithly Jones, USDA-Economic Research Service; Derrell Peel, Oklahoma State University; Kenneth Mathews, USDA-Economic Research Service

20 The Economic Payoff of Creating Good Job Conditions: Theory and Evidence from Latin America
Juan Chapparro, University of Minnesota; Eduardo Lorah, Independent Researcher

Teaching, Learning, and Communication Section (TLC)

21 Measuring Peer Effects of Team Based Learning
Georgeanne Artz, Iowa State University; Keri Jacobs, Iowa State University; Christian Boessen, University of Missouri

22 An Italian Food Experience in the Tuscany Region: Insights and Perspectives from a Study Abroad
Elizabeth Yeager, Purdue University

23 We Learned More than We Taught: New Ideas From Teaching Agriculture in Afghanistan
Cheryl Wachenheim, North Dakota State University

24 Utilizing Local Production Operations to Teach Agricultural Accounting Principles
Michelle Santiago, Murray State University

25 Incorporating Technology into Information Literacy - Making YouTube Work for You
Lynn Hamilton, California Polytechnic State University; Mina Weidel, California Polytechnic State University

Agribusiness Economics and Management

26 Effect of Stock Split and Stock Dividend Announcement on Stock Prices in Food and Agribusiness Industry
Aditya Khanal, Louisiana State University; Ashok Mishra, Louisiana State University; Krishna Koirala, Louisiana State University

27 Corn Ethanol Plant Investment and Divestment Decisions: Comparing Real Options and Net Present Value
William Secor, University of Minnesota; Michael Boland, University of Minnesota

28 Multiple Imputation in the Complex National Nursery Survey Data by Fully Conditional Specification
Wan Xu, University of Florida; Hayk Khachatryan, University of Florida

29 Multifunctional Activities in New England Farms: Success and Continuation
Ioana Marasteanu, The Pennsylvania State University; Kathleen Liang, University of Vermont; Stephan Goetz, The Pennsylvania State University

30 Energy Beet Based Ethanol Investment Analysis Using Real Option Value Approach
Kassu Wamisho, University of Nebraska; David Ripplinger, North Dakota State University
Posters

31 An Economic Model for Switchgrass Reestablishment
   Choolwe Haankuku, Oklahoma State University; Francis Epplin, Oklahoma State University

32 Spatial and Cluster Analysis for Multifunctional Agriculture in New England Region
   Kathleen Liang, University of Vermont; Julia Manasteanu, The Pennsylvania State University

33 Effectively Control the Risks of Colorado Potato Beetle in the Potato Industry: A Spatial Approach
   Xuan Chen, University of Maine

Ag Finance and Farm Management

34 Pre- and Post- Recession Input Allocation Decisions of Farm Credit System Lending Units
   Minrong Song, University of Georgia; Cesar Escalante, University of Georgia

35 The US Farm Lease-Debt Relationship: Evidence from a National Survey
   James Harris, USDA-Economic Research Service; Kenneth Erickson, USDA-Economic Research Service

36 Factors Affecting Anaerobic Digester Adoption in the West
   Joleen Hadrich, Colorado State University; Dale Manning, Colorado State University

37 Do Farm Lenders’ Attitudes and Risk Assessment Models Encourage Organic Farms’ Debt Aversion?
   Hofner Rusiana, University of Georgia; Ghangela Jones, University of Georgia; Cesar Escalante, University of Georgia

38 Heteroscedasticity and Estimation of Agricultural Debt
   Lisha Zhang, University of Florida; Charles Moss, University of Florida

39 Profit and Risk Analysis of Alternative No-till and Conventional Tillage Crop Rotation Systems in East Central South Dakota
   Shannon Osborne, USDA-Agricultural Research Service; Bronc McMurtry, South Dakota State University; Larry Janssen, South Dakota State University; Michael Miller, South Dakota State University

40 New and Beginning Farm Operations: How Do They Stack up When It Comes to Farm Finance?
   Robert Williams, USDA-Economic Research Service; James Harris, USDA-Economic Research Service; Ashok Mishra, Louisiana State University

   James Williamson, USDA-Economic Research Service

42 Dairy Farmer Willingness to Supply Animal Welfare Practices
   Christopher Wolf, Michigan State University; Glynn Tonsor, Kansas State University; Melissa McKendree, Kansas State University

43 How Do Global Weather Patterns Influence Days Suitable for Fieldwork?
   Tyler Mark, University of Kentucky; Jeremy D’Antoni, USDA-Economic Research Service; Terry Griffin, University of Arkansas

Behavioral Economics

44 Economic and Sociodemographic Drivers Associated with Vending Machine Purchasers in the United States
   Rejeana Gvillo, Texas A&M University; Oral Capps, Jr., Texas A&M University; Marco Pulma, Texas A&M University; Ariun Ishdorj, Texas A&M University

45 The Role of Innovation Premiums in Jordan Lake Water Quality Trading
   Marzieh Motallebi, Colorado State University; Dana Hoag, Colorado State University

46 Physician Response to Patient Request for Low Value Care
   Sapna Kaul, University of Utah; Anne Kirchhoff, University of Utah; Eric Campbell,

47 The Influence of Behavior Factors in Setting the Agricultural Future Market Prices
   Amilcar Serrao, University of Evora

48 Financial Advisors and Their Impact on Individual Farm Household Portfolios in the United States
   Abbas Aboohamidi, Texas Tech University; Benissa Chidmi, Texas Tech University

49 Heterogeneity of Consumers’ Preferences for Nanotechnology in Food Packaging: A Discrete Choice Experiment
   Seda Erdem, University of Stirling
Posters

50 Disaggregated Demand for Organic Produce in the United States
Erika Styles, Fort Valley State University; Christopher Davis, USDA-Economic Research Service; Xuanli Liu, Fort Valley State University; Mack Nelson, Fort Valley State University

51 Do Health Monitoring Tools and Apps Reduce Healthcare Costs? Evidence Based on Panel Data from a Health Insurance Company
Linda Burbidge, Blue Cross Blue Shield of North Dakota; Kara Ross, Kansas State University

Demand and Price Analysis

52 US Demand for Wellness and Functional Beverages and Implications on Nutritional Intake: An Application of EASI Demand System Capturing Diverse Preference Heterogeneity
Senarath Dharmasena, Texas A&M University; Oral Capps, Jr., Texas A&M University

53 What’s for Dinner? Examining Meat Demand and Separability by Quality and Type Indianapolis vs. Seattle
Sarah Stutzman, Purdue University; James Eales, II, Purdue University

54 School Open Enrollment and Housing Capitalization
Anubhab Gupta, University of California, Davis; Satheesh Aradhyula, University of Arizona

55 Post Livestock Mandatory Price Reporting: An Assessment of Effects on Cattle Cash Prices
Man-Keun Kim, Utah State University; Hernan Tejeda, Utah State University

56 Aggregate Price Indexes for Farm Products
Christopher Taylor, USDA-National Agricultural Statistics Service

57 US-Australia Competition for the Japanese Sorghum Market: Is it Quality Time?
Kazuyoshi Ishida, Texas Tech University

58 An Assessment of the Impact of Earthquakes on Global Capital Markets
Susana Ferreira, University of Georgia; Berna Karali, University of Georgia

59 Food Consumer Inflation Rate Convergence in the European Union with Special Emphasis on the New Member States
Zoltan Bakucs, Hungarian Academy of Sciences

60 Welfare Impacts of Introducing Drought-Resistant Soybeans
Jewelwayne Cain, University of Missouri; Joseph Parcell, University of Missouri

61 The Role of Domestic Production in Import Demand Analysis
Lisha Zhang, University of Florida; James Seale, Jr., University of Florida

62 A Test of Law of One Price - Using Internet Wine Price Comparison Website as an Example
Wu-Yueh Hu, National Chung Hsing University; Yu-Chen Lin, National Chung Hsing University

63 Estimating Beef Demand Differentiated by Quality Grade
Jillian Yoder, University of Missouri; Scott Brown, University of Missouri

64 Multi-Markets Analysis of Cereals Prices and Price Volatility Transmission and Implication for Food Security
Michael Reed, University of Kentucky; Didier Alia, University of Kentucky

Environmental and Nonmarket Valuation

65 Multiple Units Public Good Provision Using Individualized Price Rules: Experimental Evidence
Pengfei Liu, University of Connecticut; Stephen Swallow, University of Connecticut

66 Will Consumers Pay a Premium to Reduce GHG Emissions from Beef Production? Evidence from a Contingent Valuation Experiment
Xiaogu Li, North Carolina State University; Kimberly Jensen, University of Tennessee; Christopher Clark, University of Tennessee; Dayton Lambert, University of Tennessee

67 Evaluating the Shadow Price of Water for Irrigation – A Case of the High Plains
Jad Ziolkowska, University of Texas at Austin
**Posters**

68 Afforestation Adoption by Eastern US Cattle Producers  
*Kimberly Jensen, University of Tennessee; Dayton Lambert, University of Tennessee; Jun Zhang, University of Tennessee; Christopher Clark, University of Tennessee; Burton English, University of Tennessee; James Larson, University of Tennessee; Tun-Hsiang Yu, University of Tennessee; Chad Hellwinkel, University of Tennessee*

69 Aggregate Resource Extraction: Examining Environmental Impacts on Optimal Extraction and Reclamation Strategies  
*Brett Campbell, University of Alberta; Wiktor Adamowicz, University of Alberta*

70 Consumer's Preferences and Willingness to Pay for Drought and Saline Tolerant Turfgrass in the Southern Region of the United States of America  
*Monika Ghimire, Oklahoma State University; Tracy Boyer, Oklahoma State University; Chanjin Chung, Oklahoma State University; Justin Mass, Oklahoma State University*

71 It's Better Than Mothing: Modelling the Optimal Control of Gypsy Moths  
*James Goodenberger, The Ohio State University; Sathya Gopalakrishnan, The Ohio State University; Allen Klaiber, The Ohio State University*

72 Water Demand Elasticities: Price Responsiveness versus Publication Bias in Metaanalysis  
*John Hoehn, Michigan State University; Matas Tamosinuas, Michigan State University*

73 Exploring the Shelf Life of Travel Cost Methods of Valuing Recreation for Benefits Transfer  
*Xiaoyang He, Cornell University; Muhammad Javed Khan, Cornell University; Elizabeth Spink, Harvard University/Cornell University; Nancy Connelly, Cornell University; Shanjun Li, Cornell University; Gregory Poe, Cornell University*

74 Environmental Valuation of Unlabeled Technology Adoption: Theory and Application to Tomato Production and Consumption  
*Jianfeng Guo, Virginia Polytechnic Institute and State University; George Norton, Virginia Polytechnic Institute and State University*

75 The Impact of Location and Proximity on Consumers’ Willingness-to-Pay for Renewable and Alternative Electricity: The Case of West Virginia  
*Alan Collins, West Virginia University; Kofi Nkansah, West Virginia University*

76 Farmer Decision-Making on Enrollment in the Conservation Reserve Program  
*Cheryl Wachenheim, North Dakota State University; William Lesch, University of North Dakota*

**Experimental Economics**

77 Trust and Group Participation in Rural Development Activities  
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221 An Economic Evaluation of Early Adoption of Trunk Disease Preventative Practices in Winegrape Vineyards

Kendra Baumgartner, USDA-Agricultural Research Service; Renaud Trudaud, USDA-Agricultural Research Service; Monica Cooper, University of California Cooperative Extension; Vicken Hillis, University of California, Davis; Jonathan Kaplan, California State University; Mark Lubell, University of California, Davis

222 Factors Influencing Willingness to Participate in Wetland Ecosystem Restoration: Evidence from China

Zhengfei Guan, University of Florida; Honggen Zhu, Jiangxi Agricultural University

223 Farmers’ Willingness to Grow Oilseeds as a Biofuel Feedstock for Jet Fuel: A Latent Class Model Approach

Jason Bergtold, Kansas State University; Gracielia Andrange, Kansas State University; Alekian Shanyan, Kansas State University; David Archer, USDA-Agricultural Research Service; Cornelia Flora, Iowa State University

224 Economic and Political Equilibrium for a Renewable Natural Resource with International Trade

Keith Knapp, University of California, Riverside; Wen Kong, University of California
Posters

Joseph Maher, University of Maryland

226 Land Development and Wildfire Risk: A Case of Moral Hazard  
Jeffrey Ferris, University of Maryland

227 Policy Induced Price Volatility Transmission: Linking the US Crude Oil, Corn and Plastics Markets  
Jingze Jiang, Edinboro University of Pennsylvania; Thomas Marsh, Washington State University; Peter Tozer, Washington State University

228 Are Agricultural Contract and Crop Insurance Complements or Substitutes: Theory and Empirical Evidence  
Xiaoxue Du, University of California, Berkeley; Jennifer Iff, USDA-Economic Research Service; Liang Lu, University of California, Berkeley

229 Efficiency Gains in Cotton Price Forecasting Using Different Levels of Data Aggregation  
Luis Pena-Levano, Purdue University; Octavio Ramirez, University of Georgia

230 Effectiveness Marketing Strategies and Risk Measurement in the Sugarcane Industry  
Daniel Capitani, Brazilian Bioethanol Science and Technology Laboratory; Fabio Mattos, University of Nebraska-Lincoln; Carlos Xavier, University of Sao Paulo

231 Does the Absence of Demand Side Variability in Stochastic Partial Equilibrium Modeling Bias Outcomes? Facts and Evidence from Brazil  
Deepayan Debnath, University of Missouri; Patrick Weithoff, University of Missouri; Wyatt Thompson, University of Missouri

232 Diversifying Systemic Risk in Agriculture—A Copula-based Approach  
Xiaoguang Feng, Iowa State University; Dermot Hayes, Iowa State University

233 Hedging Crude Oil and Corn Futures: An Application in International Trade  
Xin Li, University of Illinois at Urbana-Champaign

Risk and Uncertainty

226 Land Development and Wildfire Risk: A Case of Moral Hazard  
Jeffrey Ferris, University of Maryland

227 Policy Induced Price Volatility Transmission: Linking the US Crude Oil, Corn and Plastics Markets  
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233 Hedging Crude Oil and Corn Futures: An Application in International Trade  
Xin Li, University of Illinois at Urbana-Champaign

Rural/Community Development

234 Determinants of Spatial Variation in Economic Development in Rural Forests in the United States  
Kent Kovacs, University of Arkansas; Robert Haight, US Forest Service

235 Can Traction Animals Be an Alternative to Large Family Size?  
Frederic Ouedraogo, Oklahoma State University; B. Wade Brorsen, Oklahoma State University

236 The Evolution of Community Development in the United States  
Elizabeth Dobis, Purdue University; Michael Delgado, Purdue University; Raymond Florax, Purdue University

237 The Role of Peasant Marketing Institutions in Market Access for Smallholders: A Micro-evidence from Rural Java  
Shinya Ikeda, Tohoku University; Hitoshi Yonekura, Tohoku University

238 The Employment Impacts of Service-Learning Classes  
Jeffrey Dorfman, University of Georgia; Paul Matthews, University of Georgia; Xuedong Wu, University of Georgia

Teaching, Communication, and Extension

239 Student Evaluation of a Training Program in International Agricultural Development  
Jon Phillips, California Polytechnic State University

240 Technology, Access, and Learning. Is Having the PowerPoints the Same as Learning?  
Margaretha Rudstrom, University of Minnesota
Types of Concurrent Sessions

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

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

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

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

Session 2013:
Food and Agricultural Marketing – Lightning Session
Tuesday, July 29
9:45 am – 11:15 am
Greenway G, Second Level
See page 75 for more information.

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

Track Sessions
Tracks are a set of multiple sessions submitted by AAEA Sections, scheduled throughout the meeting and devoted to a common interest area or topic. Sessions can be organized by a single Section or by multiple Sections to cover a wider range of topics. Track session listings by Section can be found in the Topical Index, starting on page 111.
### 1001 Cost Effective and Ecologically Effective Land Protection for Nature Conservation

**Regency, Second Level**

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

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

**Organizer:** Seong-Hoon Cho, University of Tennessee  
**Moderator:** Seong-Hoon Cho, University of Tennessee  
**Discussant:** Robert Haight, US Forest Service

- **Are There Economies of Scale in Cost Effective and Ecologically Effective Land Acquisition for Nature Conservation?**  
  **Seong-Hoon Cho, University of Tennessee; Taeyoung Kim, University of Tennessee; Eric Larson, University of Tennessee; Paul Armsworth, University of Tennessee**

- **The Effect of Protected Areas on Ground Cover: Evidence from Mexico**  
  **Alexander Pfaff, Duke University; Francisco Santiago-Avila, Resources for the Future; Lucas Joppa, Microsoft**

- **Welfare and Biodiversity Tradeoffs in Urban Open Space Protection in the United States**  
  **Liaila Tajibaeva, University of Minnesota; Robert Haight, US Forest Service; Stephen Polasky, University of Minnesota**

### 1002 Non-standard Risk Contracting in Agriculture and Fisheries

**Northstar A, Second Level**

**AFM and ARA Section Track Session**

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

**Organizer:** Thomas Sproul, University of Rhode Island  
**Moderator:** Thomas Sproul, University of Rhode Island

- **A Field Study for Assessing Risk Contingent Credit for Kenyan Pastoralists and Dairy Farmers**  
  **Apurba Shee, International Livestock Research Institute; Calum Turvey, Cornell University; Joshua Woodard, Cornell University**

- **Forward Contracting and Option Value in Community Supported Agriculture (CSAs)**  
  **Thomas Sproul, University of Rhode Island**

- **Member Retention and Contract Terms in Community Supported Fisheries (CSFs)**  
  **Hirotsugu Uchida, University of Rhode Island; Emi Uchida, University of Rhode Island**
Concurrent Sessions — Monday, 9:45 AM - 11:15 AM

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

*International and Senior Section Track Session*

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

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

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

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

*Jeffrey Alwang, Virginia Polytechnic Institute and State University*

**Global Food Security: Nutritional Status and Prospects for the Future**

*William Masters, Tufts University*

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

*Paul Heisey, USDA-Economic Research Service*

**The Critical Role of Institutions: What have We Learned?**

*Michael Carter, University of California, Davis*

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1004  Consumer Labeling Issues

*Lakeshore A, Main Level*

**FAMPS and FSN Section Track Session**

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

**Organizer:** Jane Kolodinsky, University of Vermont

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

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

**GMO Labeling Legislative Update: The Colorado Experience**

*Dustin Pendell, Colorado State University*

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

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

Fourth Presentation

*TBD*

Greenway A, Second Level

IBES Section Track Session

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

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

Organizer: Andrew Hanks, Cornell University
Moderator: David Just, Cornell University

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

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

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

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

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

Janaani Rajbhandari Thapa, Texas Tech University; Conrad Lyford, Texas Tech University

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

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

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

Mirage, Second Level

Extension Section Track Session

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

Organizer: Steven Klose, Texas A&M University

Farm Policy Outlook: Perspective from the House Majority

Bart Fischer, US House of Representatives

Farm Policy Outlook: Perspective from the Senate Minority

Keith Cable, Mississippi State University

Farm Policy Outlook: Perspective from the Senate Majority

Joe Shultz, Senate Committee on Agriculture, Nutrition & Forestry
1007  Teaching Tips from AAEA Award Winners  
Greenway C, Second Level

GSS and TLC Section Track Session
This session offers the opportunity for AAEA Teaching Award recipients to share teaching tips and have a dialogue with AAEA members. The emphasis is on winning strategies that have worked for them; the approaches, techniques, and/or teaching styles they consider to be instrumental to their success in the classroom. While they may utilize specific subject-matter examples to illustrate their points, the emphasis will on pedagogical approaches to improving education in our profession.

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

Organizer: Aaron Johnson, University of Idaho

Presenters: TBD

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

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

Organizer: Joshua Detre, Louisiana State University

Moderator: Robert Brent Ross, Michigan State University

Big Data and How We Can Use It in Agribusiness Research
Allan Gray, Purdue University

Utilizing Compustat and CRSP Data in Agribusiness Research
Ani Katchova, University of Kentucky

Data Sources for Food Industry Analysis
Robert Harrison, Louisiana State University

What Are the Questions We Need to Be Answering?
Michael Gunderson, Purdue University

1009  Agricultural Impacts on US National and Regional Accounts  
Northstar B, Second Level

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

Moderator: Sarahelen Thompson, Bureau of Economic Analysis

Panelists: Carrie Litkowski, Bureau of Economic Analysis; Sarahelen Thompson, Bureau of Economic Analysis; James Zavrel, Bureau of Economic Analysis
Concurrent Sessions — Monday, 9:45 AM - 11:15 AM

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

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

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

1011 Grain Markets and Price Discovery  
Greenway D, Second Level

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

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

Pricing under Uncertainty in Agricultural Grain Markets and the Objectives of Cooperatives: A Mixed Oligopoly Analysis  
Ziran Li, Iowa State University; Hang Qian, Iowa State University

Causality and Price Discovery in US Corn Markets: An Application of Error Correction Modeling and Directed Acyclic Graphs  
Xiaojie Xu, North Carolina State University; Wally Thurman, North Carolina State University

Economic Role of Corn Price Discovery in US Corn Cash and Futures Markets: The Role of Cash Market Selection  
Xiaojie Xu, North Carolina State University; Wally Thurman, North Carolina State University

Economic Role of Corn Production and Marketing Systems in the Midwest US  
Sangnyeol Jung, Southwest Minnesota State University; Peter Wui, University of Arkansas

1012 Agricultural Commodity Price Transmission and Market Linkage  
Greenway E, Second Level

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

Moderator: Daniel Toro-Gonzalez, Universidad Tecnologica de Bolivar

Examining Spatiotemporal Market Integration in the US Broccoli Market: Implications for the Eastern Broccoli Industry  
Xiaoli Fan, Cornell University; Miguel Gomez, Cornell University; Juan Nicolas Hernandez-Aguilera, Cornell University; Shady Atallah, Cornell University

Testing Timber Market Linkages with a STAR Model with Housing Start-Controlled Transitions  
Harrison Hood, University of Georgia; Jeffrey Dorfman, University of Georgia

Asymmetric Vertical Price Transmission in the US Beef Sector: Differences among Product Cuts and Quality Grades  
Prasanna Surathkal, Oklahoma State University; Chanjin Chung, Oklahoma State University; Sungill Han, Konkuk University

Spatial Price Transmission and Market Linkages in US Framing Lumber Markets  
Evan Rogers, North Carolina State University
Concurrent Sessions — Monday, 9:45 AM - 11:15 AM

1013   Economic Impacts of Climate Change
    Greenway F, Second Level

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

Moderator: Mahesh Ramachandran, Cape Cod Commission

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

Raising the Temperature on Food Prices: Climate Change, Food Security, and the Social Cost of Carbon
Peter Howard, New York University - Institute for Policy Integrity; Thomas Sterner, University of Gothenburg

The Impacts of Decadal Climate Variability on Crop Yields in Missouri River Basin: A Bayesian Approach
Pei Huang, Texas A&M University; Bruce McCarl, Texas A&M University

The Welfare Impacts of a Conservation Easement
James Vercammen, University of British Columbia

1014   Methods in Food and Agricultural Marketing
    Greenway G, Second Level

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

Moderator: Gayaneh Kyureghian, Korea University

Assessing the Impact of Fresh Vegetable Growers’ Risk Aversion Levels and Risk Perception on the Probability of Adopting Marketing Contracts: A Bayesian Ordered Probit Analysis
Michael Vassalos, Clemson University; Yingbo Li, Clemson University

Demand for Organic /Non-Organic Non-alcoholic Beverages in the United States: Application of Semiparametric Estimation of Censored Quadratic Almost Ideal Demand System (C-QUAIDS) with Household-Level Micro Data
Senarath Dharmasena, Texas A&M University; Oral Capps, Jr., Texas A&M University

Visual Attribute Non-Attendance in a Food Choice Experiment: Results from an Eye-tracking Study
Ellen Van Loo, Ghent University; Rodolfo Nayga, University of Arkansas; Han-Seok Seo, University of Arkansas; Wim Verbeke, Ghent University

1015   Biotechnology Economics
    Greenway H, Second Level

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

Moderator: Marin Bozic, University of Minnesota-Twin Cities

More of Less Isn’t Less of More: Assessing Environmental Impacts of Genetically Modified Seeds in Brazilian Agriculture
Renato Seixas, University of California, Berkeley; José Maria Silveira, State University of Campinas

An Economic Analysis of Nanofood Labeling
Van Tran, University of Nebraska; Amalia Yiannaka, University of Nebraska; Konstantinos Giannakas, University of Nebraska

Don’t Farm So Close to Me: Testing Whether Spatial Externalities Contributed to the Emergence of Glyphosate-Resistant Weed Populations
Dallas Wood, North Carolina State University
**Concurrent Sessions — Monday, 9:45 AM - 11:15 AM**

**1016  Dietary Health: Environmental and Individual Effects**  
Greenway I, Second Level

**Selected Paper Presentation**

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

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

Assessing the Impact of the Great Recession on Healthfulness of Food Purchase Choices  
**Annemarie Kuhns,** USDA-Economic Research Service; Richard Volpe, III, USDA-Economic Research Service

Is Job Insecurity Making Australians Fat? Evidence from Panel Data on Perceived Risk of Job Loss  
**Philippa Currie,** University of Otago; **Trenton Smith,** University of Otago; **Steven Stillman,** University of Otago

A Discrete Choice Experiment to Understand Women’s Preferences for Nutritionally Enhanced Food and Dietary Supplements During Pregnancy  
**Lenka Malek,** University of Adelaide; **Wendy Umberger,** University of Adelaide; **Terry Flynn,** University of South Australia; **Shao Zhou,** University of Adelaide; **Maria Makrides,** University of Adelaide

Consumer Preference for Quality and Safety Attributes of Duck in Restaurant Entrees: Is China a Market for the US Duck Industry?  
**Hong Holly Wang,** Purdue University; **Rachel Carnegie,** Purdue University; **Nicole Widmar,** Purdue University; **David Ortega,** Michigan State University

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

**Selected Paper Presentation**

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

**Moderator:** Subbu Kumarappan, The Ohio State University

The Role of Social Network in an Imperfect Market for Agricultural Technology Products: Evidence on Bt Cotton Adoption in Pakistan  
**Xingliang Ma,** International Food Policy Research Institute; **David Spielman,** International Food Policy Research Institute; **Hina Nazli,** Pakistan Strategy Support Program; **Fattima Zaidi,** International Food Policy Research Institute; **Patricia Zambrano,** International Food Policy Research Institute; **Shahzad Kouser,** University of Agriculture, Faisalabad, Pakistan

Role of Social Networks in Diversification of Income Sources in Rural India  
**Judit Johny,** University of Alberta; **Brent Swallow,** University of Alberta; **Bruno Wichmann,** University of Alberta

Gift Giving, Kinship Network and Household Food Security in Rural Tanzania: The Way they Give  
**Shaoyan Sun,** University of Alberta; **Henry An,** University of Alberta; **Philippe Andre Marcoul,** University of Alberta

The Impact of Water Users’ Associations on the Productivity of Irrigated Agriculture in Pakistan  
**Dawit Mekonnen,** International Food Policy Research Institute; **Hira Channa,** Pakistan Strategy Support Program; **Claudia Ringler,** International Food Policy Research Institute
Concurrent Sessions — Monday, 9:45 AM - 11:15 AM

1018  Observable and Unobservable Factors Affecting Quality and Varietal Adoption in Africa and Asia
       Lake Superior A, Fifth Level

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

Moderator: William Burke, Stanford University

Maize Prices and Unobservable Quality: Evidence from Aflatoxin Tests in Kenya
Christine Moser, Western Michigan University; Vivian Hoffmann, University of Maryland; Romina Ordonez, University of Maryland

Dynamics of Modern Wheat Varieties on Farms in Pakistani Punjab: A Duration Analysis
Hina Nazli, Pakistan Strategy Support Program; Melinda Smale, Michigan State University

Impacts of Improved Bean Varieties on Food Security in Uganda and Rwanda
Catherine Larochelle, Virginia Polytechnic Institute and State University; Jeffrey Alwang, Virginia Polytechnic Institute and State University

Procurement of Fresh Produce by Modern Marketing Channels and their Impact on Farming Household - Evidence from India
Rajib Sutradhar, Jawaharlal Nehru University

1019  Broad Topics in International Trade
       Lake Superior B, Fifth Level

Selected Paper Presentation
Moderator: Tim Graciano, Ernst & Young

The Impact of the African Growth and Opportunity Act (AGOA): An Empirical Analysis of Sub-Saharan African Agricultural Exports
Addisalem Zenebe, University of Nebraska; E. Wesley Peterson, University of Nebraska; Kassu Wamisho, University of Nebraska

Examining the Trade Adjustment Assistance for Farmers in the U.S.: Role of Information and Incentives in Program Participation
Ya Na Lee, University of Minnesota; Nancy Chau, Cornell University; David Just, Cornell University

Environmental Regulation and Competitiveness: Evidence from Trade and Production in the Manufacturing Sector
Tsung Yu Yang, North Carolina State University

Towards a Global Carbon Dioxide Market: Shadow Pricing CO2 Across Countries
Flavius Badau, Oregon State University

1020  Shale Gas and Wildfire
       Lake Harriet, Fourth Level

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

Moderator: Michael Hand, US Forest Service

Spatial Interactions in Wildfire Risk Management Decisions
Gwenlyn Busby, Virginia Polytechnic Institute and State University; Richelle Geiger, Virginia Polytechnic Institute and State University; D. Evan Mercer, Southern Research Station

Attitudes and Private Investment to Mitigate Natural Disaster Risk: Explaining Homeowner Investment in Defensible Space in the Wildland-Urban Interface
Laine Christman, University of Nevada, Reno; Kimberly Rollins, University of Nevada, Reno; Michael Taylor, University of Nevada, Reno

Shale Oil and Gas Booms: Consequences for Agricultural and Biofuel Industries
Farzad Taheripour, Purdue University; Wallace Tyner, Purdue University

Boomtowns and the Nimbleness of the Housing Market: An Investigation into the Impact of Shale Oil and Gas Drilling on Local Housing Markets
Michael Farren, The Ohio State University
Concurrent Sessions — Monday, 9:45 AM - 11:15 AM

1021  Diverse Topics
Minnehaha, Second Level

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

Moderator: Raymond Massey, University of Missouri

A Hedonic Model of Corn Seed Price
Jorge Fernandez-Cornejo, USDA-Economic Research Service; Karen Valle, USDA-Economic Research Service

Exploring Agricultural Production Systems: Interactions between Crop and Livestock Sectors
Dong Hee Suh, University of Florida; Charles Moss, University of Florida

Contracting in the Presence of Insurance: The Case of Bioenergy Crop Production
Xi Yang, University of Illinois at Urbana-Champaign; Ruiqing Miao, University of Illinois at Urbana-Champaign; Madhu Khanna, University of Illinois at Urbana-Champaign

1022  Household Environmental Behavior
LaSalle, Second Level

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

Moderator: Kathleen Segerson, University of Connecticut

Solar Photovoltaic Technology Adoption in the United States: An Empirical Investigation of State Policy Effectiveness
Ilya Chernyakhovskiy, University of Massachusetts Amherst; Christine Lasco Crago, University of Massachusetts Amherst

An Empirical Analysis of Residential Adoption of Energy Efficiency by Different Housing Types and Occupancy
Kelly Miller, University of Massachusetts Amherst; Francesca Colantuoni, University of Massachusetts; Christine Lasco Crago, University of Massachusetts Amherst

Crunch the Can or Throw the Bottle? Effect of “Bottle Deposit Laws” and Municipal Recycling Programs
Benjamin Campbell, University of Connecticut; Hayk Khachatryan, University of Florida; Bridget Behe, Michigan State University; Charles Hall, Texas A&M University; Jennifer Dennis, Purdue University
Concurrent Sessions — Monday, 1:00 PM - 2:30 PM

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

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

Organizers: Paul Heisey, USDA-Economic Research Service; Sun Ling Wang, USDA-Economic Research Service
Moderator: Virgil Eldon Ball, USDA-Economic Research Service
Discussant: C. Richard Shumway, Washington State University

Farmers’ Adaptation to Extreme Weather Events and Its Determinants in China
Jikun Huang, Chinese Academy of Sciences

Agricultural Production under Climate Change: The Potential Impacts of Shifting Regional Water Balances in the US
Elizabeth Marshall, USDA-Economic Research Service

1024  Effective Approaches to Working with Hard-to-Contact Limited Resource Agricultural Producers
Lakeshore B, Main Level

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

Organizers: Blondel Brinkman, USDA-Animal and Plant Health Inspection Service; Duncan Chembezi, Alabama A&M University; Laurence Crane, National Crop Insurance Services
Moderator: Blondel Brinkman, USDA-Animal and Plant Health Inspection Service
Discussant: Duncan Chembezi, Alabama A&M University
Panelists: Ntam Baharanyi, Tuskegee University; Laurence Crane, National Crop Insurance Services; Albert Essel, Virginia State University; Ronald Rainey, University of Arkansas
Concurrent Sessions — Monday, 1:00 PM - 2:30 PM

1025  Role of Credit in Economic Performance of Rural Areas
Lakeshore C, Main Level

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

Organizer: James Fannin, Louisiana State University
Moderator: James Fannin, Louisiana State University

Role of Agricultural and Rural Credit Growth on Economic Performance in Rural Counties
Denis Nadolnyak, Auburn University; Valentina Hartarska, Auburn University; Xuan Shen, Auburn University

Farm Credit: Reliable Credit for Rural America?
Jeremy D’Antoni, USDA-Economic Research Service

Notions of Efficiency with Rural Credit Unions
Steven Deller, University of Wisconsin; Jean-Paul Chavas, University of Wisconsin

1026  Food Quality and Trade
Lake Superior B, Fifth Level

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

Organizer: Ian Sheldon, The Ohio State University
Moderator: Jill McCluskey, Washington State University

Geographical Indications and International Trade in Agri-food Products
Luisa Menapace, Technische Universität München; GianCarlo Moschini, Iowa State University

Firms, Trade and Food Quality Upgrading
Daniele Curzi, University of Milan; Alessandro Olper, University of Milano

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

Organizer: Jane Kolodinsky, University of Vermont
Moderator: Craig Gundersen, University of Illinois at Urbana-Champaign
Discussant: Jean Kinsey, University of Minnesota

The Current State of the Food Security Safety Net
Craig Gundersen, University of Illinois at Urbana-Champaign

NGO Sector Innovations
Rob Zeaske, Second Harvest

Private Sector Innovations
Sarah Geisert, General Mills, Inc.

Current Evidence and Future Research Needs for Community Food Security and Health
Jane Kolodinsky, University of Vermont

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

Organizer: Jessica Cao, University of Guelph
Moderator: Travis Lybbert, University of California, Davis
Discussant: Christopher Barrett, Cornell University

Optimal Insurance Contract Design When Consumers Exhibit Choice-Set-Dependent Preferences
Jing Cai, University of Michigan

Costly Incentives and Costless Information in Loan Decision: A Framed Field Experiment on China's Responsibility System for Rural Credit
Jessica Cao, University of Guelph; Calum Turvey, Cornell University

Rushing into American Dream? House Prices, Timing of Homeownership, and Adjustment of Consumer Credit
Xing Huang, Michigan State University; Sumit Agarwal, National University of Singapore; Luojia Hu, Federal Reserve Bank of Chicago
Applications of Hierarchical Regression Models in Development Economics
Lake Superior A, Fifth Level

Econometrics and International Section Track Session

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

Organizer: Gerald Shively, Purdue University

Hierarchical Models: Some History, A Primer and An Application
Garth Holloway, University of Reading

Crop Portfolio Choice Under Risk: Discrete-continuous Hierarchical Analysis of Household Panel Data in West Africa
Jeremy Foltz, University of Wisconsin; Daniel Phaneuf, North Carolina State University

A Global Comparison of Economic Development and Natural Resource Use: Evidence from Hierarchical Regressions
Gerald Shively, Purdue University

New Pathway and Scenario Concepts for Assessment of Climate Impacts and Adaptation at Regional and Global Scales
Greenway B, Second Level

ENV Section Track Session

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

Organizer: John Antle, Oregon State University

Moderator: John Antle, Oregon State University

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

Global RAPs -- Framing Agricultural Futures at Different Scales
Hermann Lotze-Campen, PIK; Martin Von Lampe, OECD; Hans Van Meijl, LEI-Wageningen University; Keith Weiße, International Food Policy Research Institute; Dominique Van Der Mensbrugghe, FAO of the United Nations

Representative Agricultural Pathways and Climate Impact Assessment for Pacific Northwest Agricultural Systems
Jianhong Mu, Oregon State University; John Antle, Oregon State University; Hongliang Zhang, Oregon State University; Susan Capalbo, Oregon State University; Sanford Eigenbrode, University of Idaho; Chad Kruger, Washington State University; Claudio Stockle, Washington State University; J.D. Waldhuf, University of Idaho
Hydraulic fracturing is transforming oil and gas production, but raises concerns among agricultural interests and others that also use surface and groundwater resources, as well as the land surface. This session explores balancing interests of landowners, water users, oil and gas companies, and public interest in resource protection and conservation.

**Organizer:** Theodore Feitshans, North Carolina State University

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

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

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

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

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

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

**Northstar A, Second Level**

**Organized Symposium**

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

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

**Moderator:** Robert Craven, University of Minnesota

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

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

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

**1033 New Data Opportunities and Data Challenges for Agricultural Economics Research**

**Northstar B, Second Level**

**Organized Symposium**

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

**Moderator:** James Michael Harris, USDA-Economic Research Service

**Panelists:** Kathleen Farrin, USDA-Economic Research Service; Barrett Kirwan, University of Illinois at Urbana-Champaign; Ashok Mishra, Louisiana State University; Jeremy Weber, USDA-Economic Research Service
Concurrent Sessions — Monday, 1:00 PM - 2:30 PM

1034 Information and Behavior
Greenway C, Second Level

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

Economics of a Light Bulb: Experimental Evidence on CFLs and End-user Behavior
Robyn Meeks, University of Michigan; Eliana Carranza, The World Bank

Shock or Salience? A Natural Experiment in Billing Frequency
Casey Wichman, University of Maryland

Forecasts and Adaptation
Jeffrey Shrader, Jr., University of California, San Diego

Loss Aversion and Public Goods: A Field Experiment in Alternative Commuting
Laura Grant, University of Wisconsin

1035 Empirical Methods in Agricultural Finance
Greenway D, Second Level

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

Moderator: James Williamson, USDA-Economic Research Service

A Relative Information Approach to Modeling Dynamics of US Farmland Values
Olufemi Bolarinwa, University of Florida; Gulcan Onel, University of Florida; Jaclyn Kropp, University of Florida; Charles Moss, University of Florida

A Split-Population Duration Approach to Understanding Agricultural Banking Survival Strategies During the Late 2000s Recession
Xiaofei Li, University of Georgia; Cesar Escalante, University of Georgia; James Epperson, University of Georgia

The Impact of Crop Price on Nitrous Oxide Emissions: A Dynamic Programming Approach
Ruohong Cai, Princeton University; Xin Zhang, Princeton University; David Kanter, Princeton University

Analysis of Supply Response and Price Risk on Rice Production in Nigeria
Opeyemi Ayinde, University of Ilorin

1036 Using Demand Analyses to Inform Public Health Policy
LaSalle, Second Level

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

Moderator: Janani Rajbhandari Thapa, Texas Tech University

US Demand For Tobacco Products in a System Framework
Yuqing Zheng, RTI International; Chen Zhen, Research Triangle Institute; James Nonnemaker, RTI International; Daniel Dench, RTI International

Store-Differentiated Demand and Retail Food Availability
Gayaneh Kyureghian, Korea University; Azzeddine Azzam, University of Nebraska; Rodolfo Nagya, University of Arkansas

Dynamics of Advertising and Demand for Fluid Milk in the United States: An Incomplete Demand Approach
Rejeana Geillo, Texas A&M University; Senarat Dharmasena, Texas A&M University; Oral Capps Jr., Texas A&M University

Information Cost and Consumer Choices of Healthy Foods
Xiaoou Liu, Renmin University of China; Chen Zhu, China Agricultural University; Rigoberto Lopez, University of Connecticut
Concurrent Sessions — Monday, 1:00 PM - 2:30 PM

1037  Adaptation to Climate Change
Greenway F, Second Level

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

Moderator: John Stoll, University of Wisconsin, Green Bay

Loaded DICE: Refining the Meta-analysis Approach to Calibrating Climate Damage Functions
Peter Howard, New York University; Thomas Sterner, University of Gothenburg

Accounting for Land Use Adaptation to Climate Change Impacts on US Agriculture
Shun Chonabayashi, Cornell University

Farmer Adaptation to Heterogeneous Canal Water Supply
Agha Akram, Yale University

Evaluating the Cost-Effectiveness of Flood Mitigation Policies
Qin Fan, California State University; Meri Davlasheridze, Texas A&M University

1038  Consumer Preferences for Labels and Certifications
Greenway G, Second Level

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

Moderator: Sapna Kaul, University of Utah

Altruism and Preference for Social Certification Schemes
Leslie Verteramo Chiu, Cornell University

Understanding Producers’ Motives to Adopt Sustainable Practices: The Role of Expected Rewards, Risk Perception, and Risk Tolerance
Dianne Hofenk, Wageningen University; Joost Pennings, Maastricht University; Andres Trujillo-Barrera, Wageningen University

Consumer Preferences, Ecolabels, and Effects of Negative Environmental Information
Xianwen Chen, Norwegian University of Life Sciences; Frode Alfnes, Norwegian University of Life Sciences; Kyrre Rickertsen, Norwegian University of Life Sciences

Humane, Organic, or Grass-fed: Which Production Methods Matter Most to Consumers?
Kathleen Brooks, University of Nebraska-Lincoln; Brenna Ellison, University of Illinois at Urbana-Champaign

1039  Trade
Greenway H, Second Level

Selected Paper Presentation
Trade issues, policies, and economic effects.

Moderator: Bradley Rickard, Cornell University

Technology, Ecology and Agricultural Trade
Kari Heerman, USDA-Economic Research Service

A Political-Economy Analysis of the GMO Trade Agreement
Qianqian Shao, Technische Universität München; Justus Wesseler, Technische Universität München

Export Restrictions and Price Volatility Development in the Argentinian Wheat Market
Kateryna Schroeder, University of Missouri; Estefania Puricelli,

Trade Liberalization in the Presence of Domestic Regulations: Likely Impacts of the TTIP on Wine Markets
Bradley Rickard, Cornell University; Olivier Gergaud, KEDGE, Bordeaux Business School; Wenjing Hu, Colorado State University
Concurrent Sessions — Monday, 1:00 PM - 2:30 PM

1040  Topics in Water Resources and Water Use
Greenway I, Second Level

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

Moderator: Nikos Zirogiannis, Indiana University Bloomington

The Economics of Water Project Capacities and Conservation Technologies
Yang Xie, University of California, Berkeley; David Zilberman, University of California, Berkeley
Adapting to Monsoon Variability in India: The Case for Irrigation
Modeling Effects of Multiple Conservation Policy Instruments and Exogenous Factors on Urban Residential Water Demand through Househol

Elena Tchigriaeva, University of Nevada, Reno; Corey Lott, University of California, Santa Barbara; Kimberly Rollins, University of Nevada, Reno
Household Adoption of Water Conservation and Resilience Under Drought: The Case of Oklahoma City
Patrick Kanza, Oklahoma State University; Tracy A. Boyer, Oklahoma State University; Justin Moss, Oklahoma State University

1041  Agriculture in a Changing Climate: Evidence from Latin America and Sub-Saharan Africa
Greenway J, Second Level

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

Moderator: Channing Arndt, University of Copenhagen

The Effects of Climate Changes on Brazilian Agricultural Production – A Multisector Growth Model Analysis
Humberto Spolador, University of Sao Paulo; Rodney Smith, University of Minnesota
Climate Change and Crop Choice in Zambia: A Mathematical Programming Approach
Ayala Wineman, Michigan State University; Eric Crawford, Michigan State University
Rural Mexican Labor Market Responses to Weather Shocks
Katrina Jessoe, University of California, Davis; Dale Manning, Colorado State University; J. Edward Taylor, University of California, Davis
Agricultural Productivity and Climate Change in Sub-Saharan Africa: Water Scarcity, Moisture, and Temperature Effects
Aziza Kibonge, University of Nebraska

1042  The Increasing Role of Biofuels and Clean Technology in International Trade
Greenway E, Second Level

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

Moderator: Jeffrey Luckstead, University of Arkansas

The Nexus of Trade and Environmental Policy for Biofuels
Getachew Nigatu, USDA-Economic Research Service; Jayson Beckman, USDA-Economic Research Service; Joseph Cooper, USDA-Economic Research Service
Impacts of US Biofuel Mandate Waiver on World Ethanol and Biodiesel Market
Deepayan Debnath, University of Missouri; Julian Binfield, University of Missouri; Jarrett Whistance, University of Missouri
Does the US Have Market Power in Importing Ethanol from Brazil?
Sunil Dhoubhadel, University of Nebraska; Azzeddine Azzam, University of Nebraska; Matthew Stockton, University of Nebraska
Concurrent Sessions — Monday, 1:00 PM - 2:30 PM

1043 Fisheries Management and Modeling
Lake Harriet, Fourth Level

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

Moderator: Jad Ziolkowska, University of Texas at Austin

Measurement Error in the Generalized Schaefer Production Model
Christopher Burns, University of Massachusetts Amherst

Optimal Management of a Multi-Species Fishery with Bycatch
Richard Melstrom, Jr., Salisbury University

Are Two Rents Better than None? When Monopoly Harvester Co-ops are Preferred to a Rent Dissipated Resource Sector
Hirotsugu Uchida, University of Rhode Island

A Natural Experiment Identifying Disease Regulation Effects on Recreational Fishing
Jessica Klatt, Michigan State University; Frank Lupi, Michigan State University; Richard Melstrom, Jr., Salisbury University

1044 Agricultural Production Efficiency
Minnehaha, Second Level

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

Moderator: Alicia Rosburg, University of Northern Iowa

Stochastic Frontier Yield Function Analysis to Predict Returns to a New Crop: An Example of Camelina Sativa Yields Conditional on Local Factor Levels
Sofia Kotsiri, North Carolina State University; Kelly Zering, North Carolina State University; Michelle Mayer, North Carolina State University

Farm Heterogeneity in Biotechnology Adoption with Risk and Learning: An Application to US Corn
Do-il Yoo, Chungbuk National University

Migration, Local Off-farm Employment and Agricultural Production Efficiency: Evidence from China
Hui Wang, Michigan State University; Jin Yang, Zhejiang University; Songqing Jin, Michigan State University; Kevin Chen, IFPRI-Beijing; Jeffrey Riedinger, University of Washington; Chao Peng, China Research Center for Rural Economy

A Meta-regression Analysis of Frontier Efficiency Estimates from Africa
Kolawole Ogundari, Kyushu University Fukuoka Japan
### 1045 Methodological Developments and Challenges in Choice Experiments

**Regency, Second Level**

**Invited Paper**

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

**Organizers:** Vincenzina Caputo, Korea University; Ellen Van Loo, Ghent University  
**Moderator:** Rodolfo Nayga, University of Arkansas  
**Discussant:** Riccardo Scarpa, University of Waikato

- **Position Bias in Best-worst Scaling Surveys: A Case Study on Trust in Institutions**  
  **Danny Campbell, University of Stirling; Seda Erdem, University of Stirling**

- **Using a Randomized Choice Experiment to Test Willingness-to-Pay for Multiple Differentiated Products**  
  **Madiha Zaffou, University of Connecticut; Benjamin Campbell, University of Connecticut; Jennifer Martin, University of Connecticut**

- **Using Experiments to Address Attribute Non-attendance in Consumer Food Choices**  
  **Vincenzina Caputo, Korea University; Ellen Van Loo, Ghent University; Riccardo Scarpa, University of Waikato; Rodolfo Nayga, University of Arkansas; Wim Verbeke, Ghent University**

### 1046 Agricultural and Applied Economics Priorities for Government Statistics

**Lakeshore B, Main Level**

**Econometrics and Senior Section Track Session**

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

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

- **Agribusiness and Market Research Priorities for Federal Data and Information**  
  **Scott Irwin, University of Illinois at Urbana-Champaign**

- **Economic Development Priorities for Federal Statistical Data**  
  **Stephan Goetz, The Pennsylvania State University**

- **Environmental Economics Priorities for Federal Statistical Data**  
  **Timothy Haab, The Ohio State University**

- **Strategies for Identifying AAEA Priorities**  
  **Jayson Lusk, Oklahoma State University**
**Concurrent Sessions — Monday, 2:45 PM - 4:15 PM**

**1047  A Reflection on the Agricultural/Applied Economics Profession through the Lens of Our Veterans  
Lakeshore C, Main Level**

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

**Organizers:** Blondel Brinkman, USDA-Animal and Plant Health Inspection Service; Duncan Chembezi, Alabama A&M University  
**Moderator:** Blondel Brinkman, USDA-Animal and Plant Health Inspection Service  
**Discussant:** Dawn Thilmany McFadden, Colorado State University  
**Presenters:** Corinne Alexander, Purdue University; Mariah Ehmke, University of Wyoming; Cheryl Wachenheim, North Dakota State University

**1048  Crop Insurance and Implementation of the Farm Bill  
Mirage, Second Level**

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

**Organizer:** Laurence Crane, National Crop Insurance Services  
**Moderator:** Keith Collins, National Crop Insurance Services  
**Presenters:** Dwight Lanclos, USDA-Risk Management Agency; Joe Outlaw, Texas A&M University; Thomas Zacharias, National Crop Insurance Services
The Development of the US Brewing Industry
Greenway A, Second Level

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

Organizer: Joshua Berning, University of Georgia
Moderator: Bradley Rickard, Cornell University

Quality Competition in the Craft Beer Industry: An Empirical Analysis of New England
Joshua Berning, University of Georgia; Michael McCullough, California Polytechnic State University

Retail Beer Prices Across Channels and Locations: A Hedonic Analysis
Joshua Berning, University of Georgia; Alessandro Bonanno, Wageningen University; Michael McCullough, California Polytechnic State University

That’s Not My Style: US Beer Preferences in the Expanded Market
Gnel Gabrielyan, Washington State University; Jill McCluskey, Washington State University; Thomas Marsh, Washington State University; Carolyn Ross, Washington State University

Product Line Extension and Market Power in the Beer Industry
Yizao Liu, University of Connecticut; Omer Hoke, University of Connecticut

Classroom Experiments, Games, and Simulations: Examples, Resources, and Assessment
Greenway B, Second Level

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

Organizer: Hillary Sackett, Westfield State University

Encouraging Scientific Inquiry through Experimental Lab Reports: Assessing Student Outcomes with Classroom Experiments
Hillary Sackett, Westfield State University

Classroom Experiments with Money on the Line: Experience from a Game Theory Class
Matthew Rousu, Susquehanna University

Teachable Moments and Lessons Learned in Using Simulations and Games in Agribusiness Marketing and Management
Forrest Stegelin, University of Georgia

Do Students Learn from Classroom Economic Experiments?
Subbu Kumarappan, The Ohio State University
ENV Section Track Session

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

Organizer: Ben Gramig, Purdue University
Moderator: Scott Swinton, Michigan State University

Coupled Coastal Economic Modeling for Climate Adaptation and the Nourishment Dilemma
Sathya Gopalakrishnan, The Ohio State University; Dylan McNamara, University of North Carolina, Wilmington; Martin Smith, Duke University; Brad Murray, Duke University

Adaptation to Climate Change: Evidence from US Agriculture
Kyle Emerick, University of California, Berkeley; Marshall Burke, University of California, Berkeley

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

Profit Maximizing Adaptations to Projected Climate Change in the US Corn Belt
Ben Gramig, Purdue University; E.M. Sajeev, Purdue University; Paul Preckel, Purdue University; Otto Doering, III, Purdue University

International Section Track Session

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

Organizer: Marc Bellemare, University of Minnesota
Moderator: Paul Glewwe, University of Minnesota
Discussant: Paul Glewwe, University of Minnesota

Health Information, Treatment, and Worker Productivity: Experimental Evidence from Malaria Testing and Treatment among Nigerian Sugarcane Cutters
Andrew Dillon, Michigan State University; Jed Friedman, The World Bank; Pieter Serneels, University of East Anglia

Experimental Markets for Ready-to-Use Supplementary Foods (RUSFs) in Burkina Faso: Implications for Private and Public Sector Involvement in RUSF Supply Chains
Travis Lybbert, University of California, Davis; Stephen Vosti, University of California, Davis

Index-Based Livestock Insurance and Cash Transfers: A Comparative Analysis from Northern Kenya
Nathaniel Jensen, Cornell University; Christopher Barrett, Cornell University; Andrew Mude, International Livestock Research Institute

Adaptation to Climate Change: Experimental Evidence from the Ethiopian Rift
Marc Bellemare, University of Minnesota; Marc Jeuland, Duke University; Christopher Paul, Duke University; Erika Weinthal, Duke University
Concurrent Sessions — Monday, 2:45 PM - 4:15 PM

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

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

Organizers: Jessica Todd, USDA-Economic Research Service; Michele Ver Ploeg, USDA-Economic Research Service
Moderator: Chen Zhen, Research Triangle Institute
Discussants: Timothy Beatty, University of Minnesota; Julie Caswell, University of Massachusetts Amherst
Panelists: Mark Denbaly, USDA-Economic Research Service; Christian Gregory, USDA-Economic Research Service; Craig Gunder sen, University of Illinois at Urbana-Champaign; Joseph Llobrera, Tufts University; Jessica Todd, USDA-Economic Research Service

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

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

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

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

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

Moderator: Jon Biermacher, The Samuel Roberts Noble Foundation
Relative Performance of Semi-Parametric Nonlinear Models in Forecasting Basis
Gulcan Onel, University of Florida; Berna Karali, University of Georgia
Heterogeneous Responses to Market Information and The Impact on Price Volatility and Trading Volume: The Case of Class III Milk Futures
Xiaodong Du, University of Wisconsin; Fengxia Dong, University of Wisconsin
Is Storage Rational When the Price is Expected to Decline? An Empirical Study Using Data from US Futures and Options Markets
Carl Zulauf, The Ohio State University; Sanghyo Kim, The Ohio State University
Cooperatives and the Risk Aversion of Farmers
Jafar Olimov, The Ohio State University
**Concurrent Sessions — Monday, 2:45 PM - 4:15 PM**

**1056  Scanner Data in Demand Studies: Issues and Solutions**  
*Greenway F, Second Level*

*Selected Paper Presentation*

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

**Moderator:** Alba Collart, Texas A&M University

A Comparison of Food Demand Estimation from Homescan and Consumer Expenditure Survey Data  
*Tullaya Boonsaeng, Texas Tech University; Carlos Carpio, Texas Tech University*

Explaining the Shift from Preserved to Fresh Vegetable Consumption  
*Peyton Ferrer, USDA-Economic Research Service; Chen Zhen, Research Triangle Institute*

Estimating Demand for Differentiated Eggs Using Scanner Data  
*Yan Heng, Kansas State University; Hikaru Hanawa Peterson, Kansas State University*

Beer Snobs Do Exist: Estimation of Beer Demand by Type  
*Daniel Toro-Gonzalez, Universidad Tecnologica de Bolivar; Jill McCluskey, Washington State University; Ron Mittelhammer, Washington State University*

**1057  Studies in Choice Experiments**  
*Greenway G, Second Level*

*Selected Paper Presentation*

This session contains applications of and innovations in choice experiments.

**Moderator:** Kenneth Baerenklau, University of California, Riverside

The Effect of Forced Choice with Constant Choice Experiment Complexity  
*Jerrod Penn, University of Kentucky; Wuyang Hu, University of Kentucky; Linda Cox, University of Hawaii*

Identifying Which Ecosystem Services Coastal Residents Actually Value: A Choice Experiment Survey of the Eastern Shore of Virginia Regarding Climate Change Adaptation  
*Ian Yue, University of Connecticut; Stephen Swallow, University of Connecticut*

Assurance Payments for Multiple Units Public Goods Provision: Experiments Motivated by Ecosystem Service Markets  
*Zhi Li, University of Washington; Pengfei Liu, University of Connecticut; Stephen Swallow, University of Connecticut*

Spatially-Referenced Choice Experiments: Tests of Individualized Geocoding in Stated Preference Questionnaires  
*Benedict Holland, Clark University; Robert Johnston, Clark University*

**1058  Implications of Food Policies on Food Markets**  
*Greenway H, Second Level*

*Selected Paper Presentation*

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

**Moderator:** René Roy, McGill University

Prevalence and Cost of On-Farm Produce Safety Measures in the Mid-Atlantic  
*Erik Lichtenberg, University of Maryland; Elina Tselepidakis, University of Maryland*

The Incidence of Soda Taxes with Imperfect Information and Strategic Firm Behavior  
*Hualu Zheng, University of Connecticut; Lu Huang, University of Connecticut*

The Use of Food Nutrition Fact Panel Information and Juice Consumption  
*Hyeyoung Kim, University of Florida; Carlos Jauregui, University of Florida; Jong-Ying Lee, Retired*

The Dynamics of Brand Value in the Carbonated Soft Drinks Industry  
*Lu Huang, University of Connecticut; Yizao Liu, University of Connecticut*
**Concurrent Sessions — Monday, 2:45 PM - 4:15 PM**

**1059  Bioenergy**  
*Greenway I, Second Level*  

**Selected Paper Presentation**  
Bioenergy policies and economic effects.  

**Moderator:** Omer Hoke, University of Connecticut  

The Political-Economy of Biofuel and Cheap Oil Policies in Brazil  
**Madhu Khanna,** University of Illinois at Urbana-Champaign; **Hector Nunez,** Centro de Investigación y Docencia Económicas; **David Zilberman,** University of California, Berkeley  

Impact of US Biofuel Policy in the Presence of Drastic Climate Conditions  
**Hector Nunez,** Centro de Investigación y Docencia Económicas; **Andres Trujillo-Barrera,** Wageningen University  

Food Versus Crude Oil: What Do Prices Tell Us? Evidence from China  
**Yuneng Wang,** Renmin University of China; **Donald Liu,** University of Minnesota; **Shuoli Zhao,** University of Minnesota; **Zhihai Yang,** Huazhong Agricultural University  

How Biofuels Policies Boosted Grain Staple Prices: A Counterfactual Analysis  
**Di Zeng,** Lawrence Berkeley National Laboratory; **Brian Wright,** University of California, Berkeley; **Eugenio Bobenrieth,** Pontificia Universidad Católica De Chile

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

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

**Moderator:** Norbert Wilson, Auburn University  

Effect of the School Lunch Program on Children’s Food Preferences and Family Grocery Shopping  
**Yuan Jiang,** University of Florida; **Lisa House,** University of Florida; **Zhifeng Gao,** University of Florida  

The Effect of an Information Intervention on the Healthfulness of College Meal Plan Purchases in a Use-it or Lose-it Meal Plan Currency System  
**Matthew Pham,** The Ohio State University; **Brian E. Roe,** The Ohio State University  

Ambiguity Aversion and Preferences for Food Origin Post Fukushima Nuclear Disaster  
**Hikaru Hanawa Peterson,** Kansas State University; **Koichi Yamaura,** Tokyo University of Agriculture and Technology  

À la Carte Offerings Effect on Fruit and Vegetable Selection Behavior of National School Lunch Program Participants  
**Gabrielle Ferro,** University of Florida; **Sonam Gupta,** University of Florida; **Jaclyn Kropp,** University of Florida; **Kelly Grogan,** University of Florida

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

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

**Moderator:** Conner Mullally, University of Florida  

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

Gender-disaggregated Time and Risk Preferences and Agricultural Technology Adoption in Kenya and Tanzania  
**Abby Moore,** University of Georgia; **Nicholas Magnan,** University of Georgia; **Ruth Meinzen-Dick,** International Food Policy Research Institute  

Household Bargaining Over Technology Adoption  
**Sandeep Mobapatra,** University of Alberta; **Leo Simon,** University of California, Berkeley
 Concurrent Sessions — Monday, 2:45 PM - 4:15 PM

1062  Land Allocation and Risk Management Issues in Africa  
Lake Superior B, Fifth Level

Selected Paper Presentation

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

Moderator: Anita Regmi, CGIAR

Land Fragmentation with Double Bonuses -- The Case of Tanzanian Agriculture
Xudong Rao, University of Minnesota

Productive Spillovers of the Take-up of Index-Based Livestock Insurance
Russell Dean Toth, University of Sydney; Christopher Barrett, Cornell University; Rich Berstein, Cornell University; Patrick Clark, USDA-Agricultural Research Service; Carla Gomes, Cornell University; Shibia Mohamed, International Livestock Research Institute; Andrew Mude, International Livestock Research Institute; Birhanu Tadesse, International Livestock Research Institute

Determinants of Land Allocation in a Multi-crop Farming System: An Application of the Fractional Multinomial Logit Model to Agricultural Households in Mali
James Allen, IV, University of Kentucky

Financial Services and Divisible Technology Dis-adoption among Farm Households: Theory and Empirical Application Using Data from Ethiopia
Isai Guizar, Tecnologico de Monterrey; Nicholas Dadzie, The Ohio State University

1063  Price and Labor Dynamics in International Trade  
Lakeshore A, Main Level

Selected Paper Presentation

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

Moderator: Mark Gibson, Washington State University

The Role of Self-Employment in Mitigating Trade Shocks on US County Labor Markets
Jiaochen Liang, The Pennsylvania State University; Stephan Goetz, The Pennsylvania State University

Price Discovery of World and China Vegetable Oil Markets and Causality with Non-Gaussian Innovations
Senarath Dharmasena, Texas A&M University; Lu Fang, Texas A&M University; David Bessler, Texas A&M University; Jing Wang, Northeast Agricultural University

1064  Water Use and Externalities  
Minnehaha, Second Level

Selected Paper Presentation

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

Moderator: David Lambert, Kansas State University

Inter-Decadal Climate Variability in the Edwards Aquifer: Regional Impacts of DCV on Crop Yields and Water Use
Jinxiu Ding, Texas A&M University

Hydrologic Externalities and Water Transfers in Conjunctively Managed Water Systems
Levan Elbakidze, University of Idaho; Hannah Vinson, University of Idaho; Kelly Cobourn, Virginia Polytechnic Institute and State University; R. Garth Taylor, University of Idaho

Safe Water, Sanitation and WTP (Willingness to Pay)
Alaba Modupe Dare, Federal University of Agriculture
**Concurrent Sessions — Monday, 2:45 PM - 4:15 PM**

### 1065  Health and the Environment

*LaSalle, Second Level*

**Selected Paper Presentation**

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

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

- Long-term Effect of Climate Change on Health: Evidence from Heat Waves in Mexico
  **Jorge Aguero, University of Connecticut**
- Does Obesity Matter for the Environment? Evidence from Vehicle Choices and Driving
  **Hocheol Jeon, Iowa State University; Joseph Herriges, Iowa State University**
- Taxing Animal Products: Protein Demand Under Environmental Pressure and Social Impact in France
  **France Caillavet, INRA ALISS; Fadhuile Adelaide, INRA-ALISS; Veronique Nichele, INRA-ALISS**
- Pollution Whack-a-Mole: Ambient Acetaldehyde and the Introduction of E-10 Gasoline in the Northeast
  **Christopher Steiner, University of California, San Diego**

### 1066  Risk Preferences

*Lake Harriet, Fourth Level*

**Selected Paper Presentation**

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

**Moderator:** Harun Bulut, NCIS

- Cow-calf Producer Risk Preference Impacts on Willingness-to-Pay for Sustainable Breeding Practices
  **Albert Boaitey, University of Alberta**
- Identifying Risk Preferences with Seminonparametric Estimation of Risk
  **Feng Wu, University of Florida; Zhengfei Guan, University of Florida**
- Firm Exit under Inefficiency and Uncertainty: The Case of Dairy Farming
  **Simone Pieralli, University of Maryland; Silke Huettel, Humboldt University of Berlin; Martin Odening, Humboldt University of Berlin**
Concurrent Sessions — Monday, 4:30 PM - 6:00 PM

1067  Agriculture, Food, and Natural Resources Case Studies  
Regency, Second Level

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

Moderator: David Widmar, Purdue University
Dairy United
Jingjing Wang, University of Missouri; Mei Chen, Dongbei University of Finance and Economics; Peter Klein, University of Missouri

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

The Case Study of Organic Valley: Price Leadership - Price Stability?
Ye Su, University of Missouri; Michael Cook, University of Missouri

Wilson Seeds, Inc. A Period of Transition
David Widmar, Purdue University; Allan Gray, Purdue University; Michael Gunderson, Purdue University

1068  Crop Insurance: Opportunities and Challenges Facing the Industry  
Lakeshore B, Main Level

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

Organizer: Scott Fausti, South Dakota State University
Discussant: Dmitry Vedenov, Texas A&M University

Crop Insurance: Domestic Opportunities and Challenges Facing the Industry
Thomas Zacharias, National Crop Insurance Services

Crop Insurance: International Opportunities and Challenges Facing the Industry
Oscar Vergara, Air Worldwide

Crop Insurance: Opportunities and Challenges Facing Policy Administrators
Dwight Lanclos, USDA-Risk Management Agency
1069  Raising Productivity in African Agriculture: Issues and Implications for Development Strategy  
Lake Superior B, Fifth Level  

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

Organizers: Monica Fisher, International Maize and Wheat Improvement Center; Jeffrey Reimer, Oregon State University  
Moderator: Titus Awokuse, University of Delaware  

Whom Should Farm Input Subsidy Programs Target? Evidence from Malawi  
Jacob Ricker-Gilbert, Purdue University; Francis Darko, Purdue University; Talip Kilic, The World Bank; Gerald Shively, Purdue University  

Do Adult Equivalence Scales Matter in Poverty Estimates? Evidence from Ghana  
Timothy Dalton, Kansas State University; Gregory Regier, Kansas State University; Yakob Zereyesus, Kansas State University; Vincent Amanor-Boadu, Kansas State University  

Economic Analysis of Modern Maize Varieties in Malawi  
Jeffrey Reimer, Oregon State University; Monica Fisher, International Maize and Wheat Improvement Center; Woinishet Asnake, CIM-MYT-Ethiopia  

Heterogeneous Approaches to Agricultural Development in Africa: Lessons from Ethiopia and Malawi  
Guush Berhane, International Food Policy Research Institute; Karl Pauw, International Food Policy Research Institute  

1070  Challenges and Opportunities in Creating a Global Campus through International Programs and Curriculum  
Greenway G, Second Level  

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

Organizer: Aslihan Spaulding, Illinois State University  

Multidisciplinary Approach to Help Creating a Global Campus – Export Project  
Aslihan Spaulding, Illinois State University; Klaus Schmidt, Illinois State University  

Creating Agribusiness Education Abroad in China: Institutional Support and Challenges Faced by Faculty and Students  
Wuyang Hu, University of Kentucky  

Internationalizing the Curriculum with an Embedded International Trip and Food-based Case Studies  
Edward Jaenicke, The Pennsylvania State University  

Challenges and Opportunities in Developing Global Agribusiness Curriculum  
Kathleen Liang, University of Vermont; Subbu Kumanappan, The Ohio State University
Concurrent Sessions — Monday, 4:30 PM - 6:00 PM

1071 Livestock Outlook
   Mirage, Second Level

   Extension Section Track Session
   This session continues the tradition of Extension Section Outlook organized symposia and will focus on livestock situation and outlook. The presenters will discuss the trends in domestic and global livestock production, trade, supplies, demand and prices as well as the prospects for profitability for the coming year.
   
   Organizer: Jeremy Ross Pruitt, Louisiana State University
   Discussant: David Anderson, Texas A&M University
   Cattle and Beef
   Kenneth Burdine, University of Kentucky
   Hogs and Pork
   Lee Schulz, Iowa State University
   Dairy
   Scott Brown, University of Missouri
   Poultry
   Jeremy Ross Pruitt, Louisiana State University

1072 To Nudge or Not to Nudge: When Does Food Policy Become Paternalism?
   Greenway A, Second Level

   FSN and IBES Section Track Session
   Should high calorie foods and beverages be taxed? Should SNAP recipients be restricted in what they are allowed to purchase? In this session, panelists will discuss (1) whether and (2) to what extent policymakers should be involved in influencing consumers’ food choices.
   
   Organizer: Brenna Ellison, University of Illinois at Urbana-Champaign
   Moderator: Jane Kolodinsky, University of Vermont
   Panelists: Sean Cash, Tufts University; David Just, Cornell University; Jayson Lusk, Oklahoma State University; Lisa Mancino, USDA-Economic Research Service; Trenton Smith, University of Otago

1073 Developments in China’s Agriculture
   Lake Superior A, Fifth Level

   IAAE and International Section Organized Symposium
   This session will involve three papers examining different aspects of China’s agricultural development. The first paper will report on a major study examining the implications of China’s urbanization for food security in China. The second will examine the implications of structural change in China’s agriculture. The third uses a simple econometric approach to examine the implications of income growth on China’s demand and supply for food.
   
   Organizer: William Martin, The World Bank
   Urbanization and Food Security in China
   Jikun Huang, Chinese Academy of Sciences; Scott Rozelle, Stanford University; Jun Yang, Chinese Academy of Sciences; Jinxia Wang, Chinese Academy of Sciences; Xiangzheng Deng, Chinese Academy of Sciences; Junfei Bai, Chinese Academy of Sciences
   Wage Growth, Landholding, Machine Investment and Services in China
   Futoshi Yamauchi, The World Bank; Keihiro Otuka, National Graduate Institute for Policy Studies; Xiaobing Wang, Center for Chinese Agricultural Policy, Chinese Academy of Sciences; Jikun Huang, Center for Chinese Agricultural Policy, Chinese Academy of Sciences
   Who Will Feed China in the 21st Century
   William Martin, The World Bank; Emiko Fukase, The World Bank
China’s Increasingly Commercial Village-level Swine Producers: Implications for World Grain, Oilseed, and Pork Markets, as well as Food Safety, and the Environment in China

Greenway C, Second Level

Organized Symposium

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

Organizer: Bryan Lohmar, US Grains Council
Moderator: Michael Boddington, Asian Agribusiness Consulting
Discussants: Fred Gale, USDA-Economic Research Service; Dermot Hayes, Iowa State University

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

Feeding and Sow Productivity in Rural China: The Role of Size, and Technical Assistance from Input Providers and Contractors
Dan Wang, Chinese Academy of Sciences

Swine Marketing Arrangements in China: Implications for Traceability and Food Safety
Xiangping Jia, Chinese Academy of Sciences

Swine Waste Management in Rural China: Implications of Size, Markets, and Cropping Patterns
Huang Weiming, Stanford University

How to Fund and Where to Publish the Scholarship of Teaching and Learning in Agricultural Economics and Agribusiness
Northstar A, Second Level

Organized Symposium

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

Organizer: Leah Mathews, University of North Carolina, Asheville
Moderator: Leah Mathews, University of North Carolina, Asheville
Panelists: Michael Gunderson, Purdue University; Leah Mathews, University of North Carolina, Asheville; Rick Parker, NACTA Journal; Ann Marie VanDerZanden, Iowa State University
Concurrent Sessions — Monday, 4:30 PM - 6:00 PM

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

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

Organizer: Paul Gottlieb, Rutgers University
Moderator: Paul Gottlieb, Rutgers University
The Urban-Rural Fringe: Removing Siloed Scholarship and Planning for the Future
Paul Gottlieb, Rutgers University
A Multidisciplinary Middle-Ground Examination of Land Use Planning Outcomes in the Portland, OR-Vancouver, WA Metropolitan Area
Jeffrey Kline, USDA-Forest Service
Moving Beyond Land Preservation: Planning for Viable Agriculture at the Fringe
Brian Schilling, Rutgers University
Deconstructing the Real Purpose of Agricultural Zoning
Jesse Richardson, West Virginia University; Paul Gottlieb, Rutgers University

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

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

Organizers: Gregory Graff, Colorado State University; Elizabeth Nolan, University of Sydney; Alan Randall, University of Sydney
Moderator: Alan Randall, University of Sydney
Panelists: Gregory Graff, Colorado State University; Emily Gray, Australian Bureau for Agricultural and Resource Economics and Sciences; Elizabeth Nolan, University of Sydney; Alan Randall, University of Sydney
Innovation in the Global Bioeconomy
Gregory Graff, Colorado State University; Devon Phillips, University of Minnesota; Philip Pardey, University of Minnesota
Elizabeth Nolan, University of Sydney; Guanming Shi, University of Wisconsin; Paulo Santos, Monash University
Financial Risk Analysis of the Decision to Release a GM Crop Variety
Emily Gray, Australian Bureau for Agricultural and Resource Economics and Sciences
**Concurrent Sessions — Monday, 4:30 PM - 6:00 PM**

**1078 Farm Finance**  
*Greenway E, Second Level*

**Selected Paper Presentation**  
This session examines a number of important topics in farm financial management.

**Moderator:** Forrest Stegelin, University of Georgia

Modernization of United States Farm Income Forecasts  
*Kevin Patrick, USDA-Economic Research Service; Ryan Kuhns, USDA-Economic Research Service; Mitchell Morehart, USDA-Economic Research Service; Chris McGath, USDA-Economic Research Service*

Federal Crop Insurance and Credit Constraints: Theory and Evidence  
*Jennifer Ifft, USDA-Economic Research Service; Liang Lu, University of California, Berkeley; Xiaoxue Du, University of California, Berkeley; David Zilberman, University of California, Berkeley*

The Crowd-Out Effect of Crop Insurance and Farm Survival and Profitability  
*Barrett Kirwan, University of Illinois at Urbana-Champaign*

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

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

**Moderator:** Yizao Liu, University of Connecticut

Food for Stomachs or Fuel for Tanks: What Do Prices Tell Us?  
*Kashi Kafle, University of Illinois at Urbana-Champaign*

The Impacts of Energy Prices on Global Agricultural Commodity Supply, Demand and Trade  
*Getachew Nigatu, USDA-Economic Research Service; Kim Hjort, USDA-Economic Research Service; James Hansen, USDA-Economic Research Service; Agapi Somwaru*

Using Copula to Test Dependency between Energy and Agricultural Commodities  
*Krishna Koirala, Louisiana State University; Ashok Mishra, Louisiana State University; Joey Mehlhorn, University of Tennessee at Martin*

**1080 Beyond Hedonic Models**  
*LaSalle, Second Level*

**Selected Paper Presentation**  
This session contains applications of and innovations in choice experiments.

**Moderator:** Cheryl Wachenheim, North Dakota State University

Estimating the Impact of Water Quality on Surrounding Property Values in Upper Big Walnut Creek Watershed in Ohio  
*Hongxing Liu, The Ohio State University; Sathya Gopalakrishnan, The Ohio State University; Drew Browning, The Ohio State University; Patrick Herak, The Ohio State University; Gajan Sivandran, The Ohio State University*

The Effect of Spatial Interpolation on the Hedonic Model: A Case of Forest Damages  
*Xiaoshu Li, Virginia Polytechnic Institute and State University; Kevin Boyle, Virginia Polytechnic Institute and State University; Thomas Holmes, USDA-Forest Service; Euan Pressier, University of Rhode Island; Klaus Moeltner, Virginia Polytechnic Institute and State University; Andrew Liebhold, USDA-Forest Service; David Orwig, Harvard Forest*

Preference Tradeoffs Across Spatial Scales: Developing a Micro Level Sorting Model  
*Mitchell Liley, The Ohio State University; Allen Klaiber, The Ohio State University*

Marketing Ecosystem Services Using a Lindahl-Style Individual Price Auction Mechanism: A Case Study from Vermont  
*Anwesha Chakrabarti, University of Connecticut; Stephen Swallow, University of Connecticut; Christopher Anderson, University of Washington*
Concurrent Sessions — Monday, 4:30 PM - 6:00 PM

1081 Causes and Effects of Farm Programs
Greenway H, Second Level

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

Moderator: Matthew Pham, The Ohio State University

Why Do Members of Congress Support Agricultural Protection?
Marc Bellemare, University of Minnesota; Nicholas Carnes, Duke University

Revisiting Decoupled Agricultural Policies in CGE Frameworks: Theory and Empirics
Emanuele Ferrari, European Commission - Joint Research Centre - IPTS; Pierre Boulanger, European Commission - Joint Research Centre - IPTS; Aida Gonzalez-Mellado, Johann Heinrich von Thünen Institute; Scott McDonald, Oxford Brookes University

Are Subsidies Decoupled from Production in the Presence of Incomplete Financial Markets?
Daniel Voica, University of Maryland

1082 Food Marketing
Greenway I, Second Level

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

Moderator: Siny Joseph, Kansas State University

Dynamics of the Food Environment in the United States
Senarath Dharmasena, Texas A&M University; Jessica Todd, USDA-Economic Research Service; David Bessler, Texas A&M University; Oral Capps, Jr., Texas A&M University

What’s Cooking? The Rise in Demand for Prepared Foods in the United States
Abigail Okrent, USDA-Economic Research Service; Aylin Kumcu, USDA-Economic Research Service

A Century of Eating: Revealed Preferences for Nutrients and Foods in the United States
Rebekah Shrader, Pennsylvania State University; Jeffrey LaFrance, Monash University; Hayley Chouinard, Washington State University; Philip Wandschneider, Washington State University

Long Term Consequences of Changing Global Food Consumption Patterns on US Agricultural Commodity Export Demand
Deepayan Debnath, University of Missouri; Michael Helmar, University of Nevada, Reno; Julian Binfield, University of Missouri; Wyatt Thompson, University of Missouri

1083 Entrepreneurship and Labor: Issues and Transitions
Greenway J, Second Level

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

Moderator: Aycan Koksal, Cleveland State University

Employment Transitions among the Self-Employed During the Great Recession
Julia Beckhusen, US Census Bureau

Direct and Indirect Effects of Cash Transfers on Entrepreneurship
Rafael Ribas, University of Illinois at Urbana-Champaign

Small Business Disaster Resilience: The Importance of Informal Insurance
Tia McDonald, Purdue University; Maria Marshall, Purdue University

Veterinary Supply, Gender and Practice Location Choices in the United States, 1990-2010
Tong Wang, Texas AgriLife Research; David Hennessy, Iowa State University; Seong Park, Texas AgriLife Research
Concurrent Sessions — Monday, 4:30 PM - 6:00 PM

1084 Evaluating the Impacts of Cash and Food Transfer Programs in Africa
   Lakeshore C, Main Level

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

Moderator: Michael Reed, University of Kentucky

Households’ Investments in Productive Assets in Rural Niger: Quasi-experimental Evidences From a Cash Transfer Project
   Quentin Stoeffler, Virginia Polytechnic Institute and State University; Bradford Mills, Virginia Polytechnic Institute and State University

Resolving the Puzzle of the Conditional Superiority of In-kind versus Cash Food Assistance: Evidence from Niger
   Joanna Upton, Cornell University

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

How to Bank the Poor? Evidence from a Savings Field Experiment in Malawi
   Jeffrey Flory, Claremont McKenna College

1085 Climate and Water
   Lakeshore A, Main Level

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

Moderator: Wendong Zhang, The Ohio State University

Residential Water Demand, Climate Change and Exogenous Economic Trends
   Corey Lott, University of California, Santa Barbara; Elena Tchigriaeva, University of Nevada, Reno; Kimberly Rollins, University of Nevada, Reno

Projecting the Economic Impact and Level of Groundwater Use in the Southern High Plains under Alternative Climate Change Forecasts Using a Coupled Economic and Hydrologic Model
   David Brian Willis, Clemson University; Rachna Tewari, Texas Tech University; Jeff Stovall, Espey Consultants, Inc.; Katharine Hayhoe, Texas Tech University; Annette Hernandez, Texas Tech University; Steven Mauget, USDA-ARS Plant Stress and Water Conservation Lab; Gary Leiker, USDA-Agricultural Research Service; Jeffrey Johnson, Mississippi State University

Climate Change, Migration, and Water Shortage
   Ruohong Cai, Princeton University

Irrigation Demand in a Changing Climate: Using Disaggregate Data to Predict Future Groundwater Use
   Calvin Shaneyfelt, University of Nebraska; Karina Schoengold, University of Nebraska
Concurrent Sessions — Monday, 4:30 PM - 6:00 PM

1086  Topics in Bioenergy
Minnehaha, Second Level

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

Moderator: James MacDonald, USDA-Economic Research Service

Estimating the Supply of Corn Stover at the Farm Level for Biofuel Production: Taking Account of Farmers’ Willingness to Harvest
Jason Bergtold, Kansas State University; Aleksan Shanoyan, Kansas State University; Ira Altman, Southern Illinois University; Jason Fewell, University of Tennessee; Jeffery Williams, Kansas State University

Cost Effectiveness of Alternative Policies to Induce Investment in Cellulosic Biofuels
Juan Pablo Sesmero, Purdue University; Tanner McCarty, Purdue University

Impact of Different Bioenergy Crops on Area Allocation and Cellulosic Ethanol Feedstock Mix
Jerome Dumortier, Indiana University-Purdue University Indianapolis

1087  Rural Wealth Creation
Lake Harriet, Fourth Level

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

Moderator: Peter Stenberg, USDA-Economic Research Service

Rural and Urban Differences in Household Wealth Accumulation: What Role Do Demographics, Wages and Property Values Play?
Alexander Marre, USDA-Economic Research Service

The Farm Bill and Rural Economies: Broadband Investment Over the Last Decade
Peter Stenberg, USDA-Economic Research Service

Land Values and Shale Oil and Gas Development: Research Opportunities, Perils, and Some Evidence from the Pennsylvania-New York Border
Jeremy Weber, USDA-Economic Research Service; Claudia Hitaj, USDA-Economic Research Service

The Impact of Hospitals on Local Labor Markets in Georgia: Going Beyond IMPLAN
Anne Mandich, University of Georgia; Jeffrey Dorfman, University of Georgia

1088  Insurance: Empirical Issues and Implementation
Greenway B, Second Level

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

Moderator: Feng Qiu, University of Alberta

The Importance of Crop Insurance Subsidies: Examining Enterprise Units
Erik O’Donoghue, USDA-Economic Research Service

Parametric Bootstrap Tests for Futures Price and Implied Volatility Biases with Application to Rating Dairy Margin Insurance
Marin Bozic, University of Minnesota-Twin Cities; John Newton, The Ohio State University; Cameron Thraen, The Ohio State University; Brian Gould, University of Wisconsin

Estimating the Effect of Index Based Livestock Insurance on Subjective Wellbeing
Christopher Barrett, Cornell University; Kibrom Hirfjof, Cornell University; Erin Lentz, Bucknell University
**Concurrent Sessions — Tuesday, 9:45 AM - 11:15 AM**

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

*Regency, Second Level*

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

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

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

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

- Impacts of Latin American Domestic Policies on Food Production and Productivity.
  *Joaquin Bento Ferreira, University of Sao Paulo; Luis Ribera, Texas A&M University*

- Impacts of the Drug Trade on Latin American Food Productivity and Trade
  *Marco Palma, Texas A&M University; Luis Ribera, Texas A&M University; David Bessler, Texas A&M University; Bruce Bagley, University of Miami*

- Impacts of Regional Trade Agreements Including Trans-Pacific and Trans-Atlantic Partnerships on Latin American/Caribbean Agriculture
  *Timothy Josling, Stanford University; Fumiko Yamazaki, California State University; John Wainio, USDA-Economic Research Service; Mechel Paggi, California State University*

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

*Lakeshore A, Main Level*

**FSN Track Session**

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

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

- Children's Food Insecurity, Food Preparation Time, and the Effects of Food Environment
  *Helen Jensen, Iowa State University; Olekandr Zhylyerskyy, Iowa State University*

- Understanding the Relationship between the School Breakfast Program and Food Insecurity
  *David Frisvold, Iowa State University; Jason Fletcher, Yale University*

- Do Big Box Grocers Improve Food Security?
  *Charles Courtemanche, Georgia State University; Art Camden, Samford University; Xilin Zhou, Georgia State University*

- Food Insecurity and Health Outcomes among Multigenerational
  *Craig Gundersen, University of Illinois at Urbana-Champaign; Jim Ziliak, University of Kentucky*
Concurrent Sessions — Tuesday, 9:45 AM - 11:15 AM

**2003 Three Case Studies on Innovative Risk Management Extension Programming**  
*Mirage, Second Level*

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

**Organizer:** Scott Fausti, South Dakota State University  
**Moderator:** John Anderson, American Farm Bureau Federation

- Multiple Programming Outlets for Rainfall Index Insurance  
  **Matthew Diersen,** *South Dakota State University*

- Risk Management Training for Beginning Farmers and Ranchers  
  **Gregory Ibendahl,** *Kansas State University*

- Using Case Studies to Illustrate Extension Risk Management Concepts  
  **Michael Langemeier,** *Purdue University*

**2004 Markets and Payments for Ecosystem Services: Promise versus Practice**  
*Greenway A, Second Level*

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

**Organizer:** Robert Johnston, Clark University  
**Moderator:** Robert Johnston, Clark University

- New or Renew? Attracting Enrollees versus Enticing Renewals with Payments for Filter Strips  
  **Frank Lupi,** *Michigan State University; Michael Kaplowitz,* *Michigan State University; Felix Yeboah,* *Michigan State University*

- Consumer Preferences for Ornamental Plants Grown with Water Conservation Practices  
  **Kevin Boyle,** *Virginia Polytechnic Institute and State University; David Hartter,* *EarthShift; James Pease,* *Virginia Polytechnic Institute and State University; Darrell Bosch,* *Virginia Polytechnic Institute and State University; Weibin Xu,* *Virginia Polytechnic Institute and State University*

- Lab and Field Experiments to Develop Consumer Payments for Ecosystem Services  
  **Stephen Swallow,** *University of Connecticut; Pengfei Liu,* *University of Connecticut; Achyut Kafle,* *University of Rhode Island*

- Simple or Complex? Ecosystem Market Design with Lagged Ecosystem Responses  
  **James Shortle,** *The Pennsylvania State University; David Abler,* *The Pennsylvania State University; Zachary Kaufman,* *The Pennsylvania State University*
**Concurrent Sessions — Tuesday, 9:45 AM - 11:15 AM**

**2005  Human Resources Insights from Leading Agribusiness**  
*Greenway B, Second Level*

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

**Organizers:** Joshua Detre, Louisiana State University; Samuel Funk, United Soybean Board - SmithBucklin  
**Moderator:** Michael Boland, University of Minnesota  
**Presenters:** William Mujica, Land O’Lakes; Aaron Riippa, General Mills, Inc.; Matthew Stommes, Cargill

**2006  Factors Affecting Global Poultry Trade**  
*Greenway C, Second Level*

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

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

**Organizer:** Christopher Davis, USDA-Economic Research Service  
**Discussant:** Deacue Fields, III, Auburn University  

South Africa Meats and Poultry Imports  
*Fawzi Taha, USDA-Economic Research Service; William Hahn, USDA-Economic Research Service*

Shocks to a Trading System: Korean and Japanese Poultry Trade and Avian Influenza  
*Christopher Davis, USDA-Economic Research Service; John Dyck, USDA-Economic Research Service*

Effects of Relative Price and Exchange Rate Volatility on Chicken and Pork Exports  
*David Harvey, USDA-Economic Research Service; Sung No, Southern University A&M; Christopher Davis, USDA-Economic Research Service*

What’s Driving Broiler Farm Profitability in the US: Implications for Trade?  
*Richard Nehring, USDA-Economic Research Service; Jeffrey Gillespie, Louisiana State University; Ani Katchova, University of Kentucky; Charles Hallahan, USDA-Economic Research Service; James Michael Harris, USDA-Economic Research Service; Kenneth Erickson, USDA-Economic Research Service*
Concurrent Sessions — Tuesday, 9:45 AM - 11:15 AM

2007  Life-Long Learning through Disruptive Innovation in Agricultural and Applied Economics  
Northstar A, Second Level

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

Organizer: A. Gene Nelson, Texas A&M University
Moderator: Michael Boehlje, Purdue University
Panelists: Allan Gray, Purdue University; Danny Klinefelter, Texas A&M University; Bruce Weber, Oregon State University

Life-Long Learning through Disruptive Innovation  
*Michael Boehlje, Purdue University; Dave King, Oregon State University*

2008  Local Food Systems as a Catalyst for Innovation  
Northstar B, Second Level

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

Organizers: Maria Marshall, Purdue University; Dawn Thilmany McFadden, Colorado State University
Moderator: Maria Marshall, Purdue University
Discussant: Martha Sullins, Colorado State University
Panelists: Becca Jablonski, Cornell University; Dawn Thilmany McFadden, Colorado State University; Michael Wilcox, Jr., Purdue University; Norbert Wilson, Auburn University

2009  Long-run and Short-run Effects of Natural Disasters  
Lakeshore C, Main Level

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

The Economic Impact of Hurricane Katrina on Its Victims: Evidence from Individual Tax Returns  
*Tatyana Deryugina, University of Illinois at Urbana-Champaign; Laura Kawano, US Department of the Treasury; Steven Levitt, University of Chicago*

Structural Estimation of an Equilibrium Model with Externalities: Program Evaluation of Post-Katrina Rebuilding Grants  
*Jessee Gregory, University of Wisconsin; Fu Chao, University of Wisconsin*

Blown Away: The Effect of Federal Assistance on Individual Finances and Migration Decisions After a Natural Disaster  
*Justin Gallagher, Case Western Reserve; Daniel Hartley, Federal Reserve Bank of Cleveland*

Long-term Human Capital Impacts of the Global Climate  
*Jesse Anttila-Hughes, Columbia University; Marshall Burke, University of California, Berkeley*
Concurrent Sessions — Tuesday, 9:45 AM - 11:15 AM

2010  Cooperatives and Local Markets
       Greenway D, Second Level

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

Moderator: Michelle Santiago, Murray State University

Structural Changes in Farmer Cooperatives
Chatura Ariyaratne, Kansas State University; Brian Briggeman, Kansas State University; Chuck Mickelsen, Kansas State University

Clusters of Organic Operations and Their Impact on Regional Economic Growth in the United States
Ioana Marasteanu, The Pennsylvania State University; Edward Jaenicke, The Pennsylvania State University

Decision Making among Heterogeneous Members: A Study on Efficiency under Centralized Managerial Structure of Chinese Farmer Cooperatives
Meilin Ma, University of California, Davis; Heng Zhu, University of California, Davis

An Economic Analysis of “Local” Production: Is it Efficient or Inefficient?
Eugene Jones, The Ohio State University

2011  Farm Management
       Greenway E, Second Level

Selected Paper Presentation
This session addresses several important topics in farm financial management.

Moderator: Steven Vickner, The Ohio State University

Is Farm Management Skill Persistent?
Xin Li, University of Illinois at Urbana-Champaign; Nicholas Paulson, University of Illinois at Urbana-Champaign

Are Two Heads Better than One Head in Managing the Farm?
Loren Tauer, Cornell University

Feeding Practices and Input Cost Performance in US Hog Operations: The Case of Split-Sex and Phase Feeding
Lee Schulz, Iowa State University; Joleen Hadrich, Colorado State University

Economic Feasibility of Anaerobic Digesters on Swine Operations
Cortney Cowley, Oklahoma State University; B. Wade Broosen, Oklahoma State University; Doug Hamilton, Oklahoma State University

2012  Forecasting Methods and Evaluation
       Greenway F, Second Level

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

Moderator: TBD

USDA and Private Analysts’ Forecasts of Ending Stocks: How Good Are They?
Jinchi Xiao, Iowa State University; Chad Hart, Iowa State University; Sergio Lence, Iowa State University

Performance and Relevance of Wheat Futures Market in India – An Exploratory Analysis
Sendhil Ramadas, Directorate of Wheat Research
## Concurrent Sessions — Tuesday, 9:45 AM - 11:15 AM

### 2013 Food and Agricultural Marketing - Lightning Session
*Greenway G, Second Level*

**Selected Paper Presentation Lightning Session**

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

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

**Store Choices of Rural Grocery Shoppers Using an Attribute Screening Model**
*Hikaru Hanawa Peterson, Kansas State University; Jeffrey Peterson, Kansas State University*

**The Divergence of Defining Local Food – Consumer Co-op versus Conventional Grocery Shoppers**
*Shang-Ho Yang, National Chung Hsing University; Timothy Woods, University of Kentucky*

**State and Retail Outlet Impact on Premiums for Locally Grown Berries**
*Omer Hoke, University of Connecticut; Benjamin Campbell, University of Connecticut; Thao Hau, University of Connecticut; Mark Brand, University of Connecticut*

**Home Meal Replacement Market Segmentation Based on Food Life Style**
*Hyebin Jo, Seoul National University; Seoyoun Lee, Seoul National University; Young-Chan Choe, Seoul National University; Junghoon Moon, Seoul National University; Jae-eok Jeong, Kyung Hee University*

**Can Nutrition and Health Information Increase Demand for Seafood among Parents? Evidence from a Choice Experiment**
*Xiang Bi, University of Florida; Lisa House, University of Florida; Zhifeng Gao, University of Florida*

**Beef or Chicken? A Study of the Generation-X and Millennial Consumers’ Meat Choice, with an Emphasis on the Impacts of Social Media Outlets and Nutrition Information**
*Kuo-Liang Chang, South Dakota State University; Lisa Elliott, South Dakota State University; Shannon Sand, South Dakota State University; Rocky Dailey, South Dakota State University; Sierra Blachford, South Dakota State University*

**Market Valuation of Health Claims’ Types and Strength: The Italian Yogurt Market**
*Francesco Bimbo, Wageningen University; Alessandro Bonanno, Wageningen University; Rosaria Viscecchia, Universita’ di Foggia*

**Consumer Demand for Greek Yogurt in the United States and Its Implications to New York Dairy Industry**
*Senarath Dharmasena, Texas A&M University; Abigail Okrent, USDA-Economic Research Service; Oral Capps, Jr., Texas A&M University*

### 2014 SNAP and Food Security
*Greenway H, Second Level*

**Selected Paper Presentation**

SNAP food assistance programs and impacts on food security.

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

**Does SNAP Improve Your Health?**
*Christian Gregory, USDA-Economic Research Service; Partha Deb, Hunter College*

**The Location and Timing of SNAP Purchases**
*Katherine Baylis, University of Illinois at Urbana-Champaign; Linlin Fan, University of Illinois at Urbana-Champaign; Craig Gundersen, University of Illinois at Urbana-Champaign; James Ziliak, University of Kentucky*

**The Effect of Supplemental Nutrition Assistance Program on Food and Nonfood Spending Among Low-Income Households**
*Carlos Carpio, Texas Tech University; Tullaya Boonsaeng, Texas Tech University; Chen Zhen, Research Triangle Institute; Abigail Okrent, USDA-Economic Research Service*

**Supplemental Nutrition Assistance Program and Food Insecurity Among Families with Children**
*Jun Zhang, University of Tennessee; Steven Yen, University of Tennessee; Yanghoo Wang, University of Tennessee*
Concurrent Sessions — Tuesday, 9:45 AM - 11:15 AM

2015  Risk Management
Greenway I, Second Level

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

Moderator: William Martin, The World Bank

Crop Insurance Use and Land Rental Agreements
Todd Kaethe, University of Illinois; Nicholas Paulson, University of Illinois at Urbana-Champaign

Producer Welfare Implications of the RMA’s “Shrinkage” Crop Insurance Premium Estimator
Octavio Ramirez, University of Georgia; Carlos Carpio, Texas Tech University; Alba Collart, Texas A&M University

Substitutes versus Complements among Canadian Business Risk Management Programs
Florentina Uzea; Kenneth Poon, University of Guelph; Alfons Weersink, University of Guelph

Grain Subsidy, Liquidity Constraints and Food Security---Impact of the Grain Subsidy Program on the Grain Supply in China
Fujin Yi, Nanjing Agricultural University, China

2016  Food Price, Food Demand, and Food Preference
Lakeshore B, Main Level

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

Moderator: Karen Lewis, Arizona State University

The Impact of Livestock Donation on Poverty and Food Security: Lessons from the Heifer Project, Zambia
Kashi Kafle, University of Illinois at Urbana-Champaign; Alex Winter-Nelson, University of Illinois at Urbana-Champaign

Targeting of Supplemental Nutrition Assistance Program Benefits: Evidence from the ACS and NY SNAP Administrative Records
Erik Scherpf, USDA Economic Research Service; Constance Bradshaw Newmann, USDA-Economic Research Service; Mark Prell, USDA-Economic Research Service

Quantifying the Effects of Food Access and Prices on Food-at-home Demand
Chen Zhen, Research Triangle Institute; Biing-Hwan Lin, USDA-Economic Research Service; Abigail Okrent, USDA-Economic Research Service

2017  Migration, Labor, and Households
Greenway J, Second Level

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

Moderator: Jutta Roosen, Technische Universität München

Migration and Agricultural Efficiency
Matthew Gorton, University of Newcastle; Sophia Davidova, University of Kent; Johannes Sauer, Technische Universität München

The Impact of Spatial Flexibility on Unemployment Duration in Young College-educated Workers
Kevin Camp, Purdue University; Brigitte Waldorf, Purdue University
Concurrent Sessions — Tuesday, 9:45 AM - 11:15 AM

2018 Consumer Behavior, Social Media, Advertising, and Private/National Brand Competition
LaSalle, Second Level

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

Moderator: Alexander Saak, International Food Policy Research Institute

Hysteresis, Price Acceptance, and Reference Prices
Timothy Richards, Arizona State University; Miguel Gomery, Cornell University; Irena Iremolenko, Arizona State University

Social Media and Consumer Engagement in the Carbonated Soft Drinks Market
Yizao Liu, University of Connecticut

Competition between Private Labels and National Brands: A Simple Econometric Test and Application to Dairy Markets
Jeffrey Young, Purdue University; Joseph Balagtas, Purdue University; James Binkley, Purdue University; Richard Volpe, III, USDA-Economic Research Service

2019 Land Markets and Land Rights in Sub-Saharan Africa
Skyway A, Second Level

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

Moderator: George Norton, Virginia Polytechnic Institute and State University

Rural Land Rental Markets in Southern Africa: Trends, Drivers, Determinants of Participation and Impacts on Household Welfare in Malawi and Zambia
Jordan Chamberlin, Michigan State University; Jacob Ricker-Gilbert, Purdue University

Land Access, Land Rental and Food Security: Evidence from Kenya
Rie Muraoka, Michigan State University; Songqing Jin, Michigan State University; Thomas Jayne, Michigan State University

Land Market Integration, Structural Change, and Smallholder Farming in Zambia
Andrew Larson, University of Minnesota

2020 Assessing the Returns to Technology and Aid in Development
Skyway B, Second Level

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

Moderator: Jorge Aguero, University of Connecticut

Can Computers Increase Human Capital in Developing Countries? An Evaluation in Nepal’s One Laptop per Child Program
Uttam Sharma, University of Sydney

Cost-effectiveness of Computer Assisted Personal Interviewing vs Paper-and-Pen Based Interviewing Methods for Data Collection
Rohit Singla, McGill University; Mywish Maredia, Michigan State University; Byron Reyes, Michigan State University; Anwar Naseem, McGill University

The Public Benefits of Private Technology Adoption
Anil Bhargava, University of Michigan

The Effectiveness of International Aid: A Generalized Propensity Score Approach
Jing Liu, Purdue University; Raymond Florax, Purdue University

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Jing Liu, Purdue University; Raymond Florax, Purdue University
Concurrent Sessions — Tuesday, 9:45 AM - 11:15 AM

2021  Disease and Invasive Species
St. Croix, Second Level

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

Moderator: Jeremy Weber, USDA-Economic Research Service

Optimal Management of a Native Species Facing Invasion or Infection Risks Involving Multi-Stable Outcomes
Richard Horan, Michigan State University; David Finnoff, University of Wyoming; Kevin Berry, University of Wyoming; Carson Reeling, Michigan State University

Dynamic-Bayesian Disease Management under State Uncertainty: Learning and Bovine Tuberculosis Control in New Zealand Cattle
Matthew MacLachlan, University of California, Davis; Michael Springborn, University of California, Davis

Dynamic Optimization of Ecosystem Services: A Comparative Analysis of Non-Spatial and Spatially-Explicit Models
Seong Do Yun, Purdue University; Ben Gramig, Purdue University

The Bioeconomics of Climate Change Adaptation: Coffee Berry Borer and Shade-Grown Coffee
Shady Atallah, Cornell University; Miguel Gomez, Cornell University

2022  Analyzing Productivity Issues
Lake Superior B, Fifth Level

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

Moderator: Sun Ling Wang, USDA-Economic Research Service

Spatiotemporal Analysis of Dairy Farm Productivity, Herd Size and Entry-Exit in the United States
Heesun Jang, University of Wisconsin; Xiaodong Du, University of Wisconsin

Bio-Economic Weather and Crop Productivity
Jason Beddow, University of Minnesota; Philip Pardey, University of Minnesota; Terrance Hurley, University of Minnesota

Mandates and the Incentives for Innovation
Matthew Clancy, Iowa State University; GianCarlo Moschini, Iowa State University

Technical Change, Efficiency and Total Factor Productivity Growth in US Agriculture
Darlington Sabasi, Washington State University; C. Richard Shumway, Washington State University

2023  Climate and Agriculture
Minnehaha, Second Level

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

Moderator: Bryon Parman, Mississippi State University

Dynamic Adjustment in US Agriculture under Climate Uncertainty
Sansi Yang, Washington State University

From Cold to Hot: A Preliminary Analysis of Climatic Effects on the Productivity of Wisconsin Dairy Farms
Lingqiao Qi, University of Connecticut; Boris Bravo-Ureta, University of Connecticut; Victor Cabrera, University of Wisconsin

Climatic Constraints of US Growing Seasons
Ariel Ortiz-Bobble, Cornell University

Weather Risk, Land Fragmentation, and Cropping Intensity: A Non-Stationary and Dynamic Panel Modeling Approach
Aditya Khanal, Louisiana State University; Ashok Mishra, Louisiana State University; Madhusudan Bhattarai, ICRISAT
Concurrent Sessions — Tuesday, 9:45 AM - 11:15 AM

2024  Econometric Modeling of Price Dynamics  
        Lake Nokomis, Fourth Level

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

Moderator: Vardges Hovhannisyan, University of Minnesota

The ENSO Impact on World Wheat Market Dynamics: Smooth Transitions in Asymmetric Price Transmission
David Ubilava, University of Sydney

Mixed-Copula Based Extreme Dependence Analysis: A Case Study of Food and Energy Price Comovements
Jieyuan Zhao, SAS Institute; Feng Qiu, University of Alberta

Composite Qualitative Forecasting of Futures Prices: Using One Commodity to Help Forecast Another
Anzhi Li, University of Georgia; Jeffrey Dorfman, University of Georgia

2025  Wildlife and Fisheries Management: Mechanisms and Tradeoffs  
        Lake Calhoun, Fourth Level

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

Moderator: Jerome Dumortier, Indiana University-Purdue University Indianapolis

Individual vs. Collective Quotas in Fisheries Management: Efficiency and Distributional Impacts
Rong Zhou, University of Connecticut; Kathleen Segerson, University of Connecticut

Economic Implications of Winter-run Chinook Salmon Conservation through Water Management in the Southern Delta
Haengku Yoon, University of California, Davis

Spatial Interactions in Habitat Conservation: Evidence from Prairie Pothole Easements
Chad Lawley, University of Manitoba; Wanhong Yang, University of Guelph

Public Incentives for Conservation Easements on Private Land
Jordan Suter, Colorado State University; Sahan Dissanayake, The Colby College; Lynne Lewis, Bates College

2026  Agricultural Practices to Improve Water Quality: Space and Time Considerations  
        Lake Superior A, Fifth Level

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

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

On Optimal Placement of Best Management Practices in Agricultural Watersheds
Lyubov Kurkalova, North Carolina A&T State University

Assessing the Efficiency of Alternative Best Management Practices to Reduce Nonpoint Source Pollution in the Mississippi-Atchafalaya River Basin (MARB)
Bijay Porkharel, Louisiana State University; Bryan Gotshall, Louisiana State University; Krishna Paudel, Louisiana State University

Peer Effects and Farmer Heterogeneity in Tillage Choices
Avishek Konar, The Ohio State University; Brian Roe, The Ohio State University; Elena Irwin, The Ohio State University

Agricultural Practice Adjustments to Policies Aiming to Mitigate Water Pollution
Shanxia Sun, Purdue University; Michael Delgado, Purdue University; Juan Pablo Sesmero, Purdue University
Concurrent Sessions — Tuesday, 9:45 AM - 11:15 AM

2027  Natural Disasters
      Lake Harriet, Fourth Level

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

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

**Economics Impacts of Natural Hazards on Per Capita Income in the United States**
**Jianhong Mu,** *Oregon State University*

The Effectiveness of Post-Katrina Disaster Aid: The Influence of Long-Term Disaster Relief on Small Businesses in Mississippi
**Anna Leigh Josephson,** *Purdue University; Maria Marshall, Purdue University*

An Integrated Engineering-Economic Vulnerability Assessment Tool - An Assessment of Tsunami Impact on Coastal Communities
**Yong Chen,** *Oregon State University; Yunguang Chen,** *Oregon State University; Patrick Corcoran, Oregon State University; Daniel Cox, Oregon State University; Bruce Weber, Oregon State University; Dane Wiebe, Oregon State University*
Concurrent Sessions — Tuesday, 1:00 PM - 2:30 PM

2028  Transforming Food Markets - Implications for Nutrition and Livelihoods in Developing Countries  
Regency, Second Level

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

Organizers: Ellen Goddard, University of Alberta; Wendy Umberger, University of Adelaide
Moderator: Nicholas Minot, International Food Policy Research Institute
Discussant: Laurian Unnevehr, International Food Policy Research Institute

Examining the Relationship between the use of Supermarkets and Over-nutrition in Indonesia
Wendy Umberger, University of Adelaide; Xiaobo He, University of Adelaide; Nicholas Minot, International Food Policy Research Institute; Hery Toiba, University of Adelaide

Nutrition Effects of the Supermarket Revolution on Urban Consumers and Smallholder Farmers in Kenya
Matin Qaim, Georg-August-Universität Göttingen; Camilla Anderson, Georg-August-Universität Göttingen; Christine Chege, Georg-August-Universität Göttingen; Simon Kimenju, Georg-August-Universität Göttingen; Stephan Klasen, Georg-August-Universität Göttingen; Ramona Rischke, Georg-August-Universität Göttingen

The Effects of Food Substitution on Nutrient Intakes in Three States in Southern India
Ellen Goddard, University of Alberta; Anna Farmer, University of Alberta; Abubacker Siddick Mohamed, MSSRF, India; Chaudhury Shripati Mishra, MSSRF, India; Girigan Gopi, MSSRF, India; Arunraj Ramdas, MSSRF, India; N Kalaiselvan, MSSRF, India; Parabha-karan Tenkasi Raghu, MSSRF, India

2029  Overcoming Barriers to Entry: Factors Affecting New Venture Success in the Agri-Food Sector  
Greenway G, Second Level

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

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

How Do Credit Constraints Affect New Entrants into the Farm Sector?
Kevin Patrick, USDA-Economic Research Service; Jennifer Ifft, USDA-Economic Research Service

Healthcare Insurance Coverage and Labor Allocation Decisions by Young and Beginning Farmers
Jeremy D’Antoni, USDA-Economic Research Service; Ashok Mishra, Louisiana State University

Commodity Exchanges in Developing Countries: A Blessing in Disguise? Evidence from the Ethiopian Coffee Sector
Andres Trujillo-Barrera, Wageningen University; Aderajew Tamrat, Wageningen University; Paul Ingenbleek, Wageningen University; Joost Pennings, Maastricht University
2030  Farm Program and Insurance Choices: A Real Time Risk Decision Aid
       Mirage, Second Level

ARA and Extension Section Track Session

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

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

Organizer: James Richardson, Texas A&M University

Challenges in Developing Risk Based Decision Aids
Henry Bryant, Texas A&M University

Educational Programs for Farmers, Lenders, and Other Professionals
Joe Outlaw, Texas A&M University

Methods to Generate Stochastic Results for Risky Alternatives
Keith Cable, Mississippi State University

Decision Aid Effectiveness
Jody Campiche, Oklahoma State University

2031  How to Apply for a Career or Graduate School
       Minnehaha, Second Level

GSS Section Track Session

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

Organizer: Donald Malone, III, Oklahoma State University

Moderator: Donald Malone, III, Oklahoma State University

Tips on Applying for Graduate School
Glynn Tonsor, Kansas State University

Tips for Entering the Industry Job Market
Allan Gray, Purdue University

Tips for Entering the Academic Job Market
Kenneth Foster, Purdue University
Concurrent Sessions — Tuesday, 1:00 PM - 2:30 PM

2032 Income Inequality in the United States: Measures, Causes, Effects, and Possible Remedies
   Lakeshore C, Main Level
CRENET and Senior Section Track Session
Income inequality has grown markedly in the United States during recent decades. Inequality was high in the 1920s and 1930s, fell to very low levels after World War II, and has increased from the 1980s onwards, accelerating in the 2000s. The US ranks near the bottom among the rich nations not only in measures of overall income inequality but also in measures of economic mobility. Speakers in this session will examine the growth, persistence, and causes of inequality and evaluate programs to reduce its effects.
Organizer: Richard Heifner, USDA-Economic Research Service (retired)
Moderator: Alexander Marre, USDA-Economic Research Service
Discussant: Bruce Weber, Oregon State University
American Inequality: High and Rising
Jay Coggins, University of Minnesota
Globalization and the Great U-Turn, 1970-2012: Rural Restructuring, Income Polarization, and Place
David Peters, Iowa State University
Evaluating Distributional Aspects of Governmental Policies
Ximing Wu, Texas A&M University

2033 The Impact of the Food Safety Modernization Act on the US Produce Industry: Domestic Production and Latin American Imports
   Greenway A, Second Level
FSN and LAS Section Track Session
The Food Safety Modernization Act (FSMA) is a major new law that will transform the food safety landscape of the US produce industry and those who export to the United States. Produce imports are an important component of the US supply and Latin America is the largest source of imports. Major foodborne outbreaks have linked to both domestic and imported produce. Looking at the impact of FSMA requires an integrated look at how all suppliers to the US market, domestic and foreign, will adjust to the new food safety environment.
Organizers: Linda Calvin, USDA-Economic Research Service; Marco Palma, Texas A&M University; Luis Ribera, Texas A&M University
Moderator: Marco Palma, Texas A&M University
Discussant: Andrew Estrin, US Food and Drug Administration
FSMA and the Integrated Produce Industry
Linda Calvin, USDA-Economic Research Service; Suzanne Thornbury, USDA-Economic Research Service
U.S. Produce Industry Costs of Adopting FSMA Standards
Mechel Paggi, California State University; Luis Ribera, Texas A&M University
Latin American Produce Exporters’ Perspectives on Challenge of FSMA
Lloyd Day, Interamerican Institute of Cooperation for Agriculture; Robert Abern, Interamerican Institute of Cooperation for Agriculture
Towards a More Effective Global Architecture for Food and Agriculture

Greenway B, Second Level

International Section Track Session

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

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

Each of the panelists listed below will critique a section of the study and participate in a panel discussion on the implications of the findings for global architecture going forward.

Organizer: Uma Lele, Independent Scholar
Moderator: Alexander McCalla, University of California, Davis

Towards a More Effective Global Architecture for Food and Agriculture

Uma Lele, Independent Scholar

Identifying Standards and Assessing Performance for Undergraduate Programs in Agricultural Business

Greenway C, Second Level

NAAEA and TLC Section Track Session

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

Organizer: W. Marshall Frasier, Colorado State University
Discussant: Penelope Diebel, Oregon State University

Learning Outcome Standards for Undergraduate Programs in Agricultural Business

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

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

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

The Benefits of Undergraduate Capstone Experiences - Alumni Perspectives

Leah Matthews, University of North Carolina, Asheville; Lynn Hamilton, California Polytechnic State University
**Concurrent Sessions — Tuesday, 1:00 PM - 2:30 PM**

### 2036 Powerful Circumstances for Successful Career Moves  
*Northstar A, Second Level*

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


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

### 2037 Expanding the US Organic Sector—Will Recent USDA Initiatives Help?  
*Northstar B, Second Level*

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

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

- Changes in Commodity-Sector Adoption of Organic Farming Systems  
  **Catherine Greene**, USDA-Economic Research Service  
- Challenges in Transitioning to Organic Production  
  **Robert King**, University of Minnesota; Timothy Delbridge, University of Minnesota  
- USDA Initiatives to Enhance the Adoption of Organic Systems  
  **Catherine Greene**, USDA-Economic Research Service; **William Chambers**, USDA-Farm Service Agency  
- Organic Transition Support Options under USDA’s EQIP Program  
  **Mark Rose**, USDA-Natural Resource Conservation Service

### 2039 International Agribusiness Economics and Management  
*Greenway D, Second Level*

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

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

- When Higher Quality Does Not Translate to Higher Prices: A Case of Quality and Specialty Coffees from the Cup of Excellence Auctions  
  **Norbert Wilson**, Auburn University  
- The Presence of Market Power in High Quality Coffee Market: The Case of Colombian Milds  
  **Xile Li**, University of Kentucky; Sayed Saghaian, University of Kentucky  
- Responsiveness of Spatial Price Volatility to Increased Government Participation in Maize Grain and Maize Meal Marketing in Zambia  
  **Taiwo Mafimisebi**, Mulungushi University
Concurrent Sessions — Tuesday, 1:00 PM - 2:30 PM

2040 Social Influences on Behavior
Greenway E, Second Level

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

Moderator: Lisa Mancino, USDA-Economic Research Service

Factors Influencing Homeowner Preference and Willingness-to-Pay for Lawn Fertilizers: Evidence from a Nationwide Residential Lawn Care Practices Survey in the US
Hayk Khachatryan, University of Florida; Guzhen Zhou, University of Florida

The Perils of Peer Punishment: Evidence from a Common Pool Resource Framed Field Experiment
Gioia De Melo, Bank of Mexico; Matías Piaggio, Universidad de la República del Uruguay

Peers’ Effect on Obesity among Elementary Students
Jebraj Asirvatham, University of Arkansas, Fayetteville; Rodolfo Nayga, University of Arkansas; Michael Thomsen, University of Arkansas; Heather Rouse, University of Arkansas

2041 Determinants of Food and Energy Prices
Greenway F, Second Level

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

Moderator: Shiyu Ye, University of Georgia

Electricity Market Price Volatility: The Importance of Ramping Costs
Dan Werner, University of Maryland

Factors Affecting Preconditioned Calf Price Differentials: How much do Market and Sale Conditions Matter?
Lee Schultz, Iowa State University; Kevin Dhuyvetter, Kansas State University; Beth Donan, Iowa State University

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

How Strong Do Global Commodity Prices Influence Domestic Food Prices? A Global Price Transmission Analysis
Matthias Kalkuhl, Center for Development Research

2042 Design of Economic Experiments and Auctions
Lakeshore B, Main Level

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

Moderator: Matthew Rousu, Susquehanna University

What Motivates Individuals to Participate in Economic Experiments? A Latent Class Analysis with Unobserved Heterogeneity
Alba Collart, Texas A&M University; Marco Palma, Texas A&M University

Personality and Procedural Invariance: Effects on Bidding Behavior Across Induced Value Experimental Auction Mechanisms
Hillary Sackett, Westfield State University; Robert Shupp, Michigan State University

How Does the Revelation of Previous Bid Affect New Bid?
Yingzi Li, Washington State University; Karina Gallardo, Washington State University; Vicki McCracken, Washington State University; Chengyan Yue, University of Minnesota; James Luby, University of Minnesota; James R. McFerson, Washington Tree Fruit Res Commission
Concurrent Sessions — Tuesday, 1:00 PM - 2:30 PM

2043 Input Subsidies and Effects
Greenway H, Second Level

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

Moderator: Larry Janssen, South Dakota State University

Do Input Subsidies Crowd in or Crowd out other Soil Fertility Management Practices? Evidence from Zambia
Kendra Levine, Michigan State University; Nicole Mason, Michigan State University

Price Support Program and Technical Efficiency of Thai Jasmine Rice Farmers
Uchook Duangbootsee, Michigan State University

Do Input Subsidies Reduce Food Insecurity and Poverty among Smallholder Farm Households? Evidence from Zambia
Nicole Mason, Michigan State University; Solomon Tembo, Indaba Agricultural Policy Research Institute

The Economywide Impacts and Risks of Malawi's Farm Input Subsidy Program
Channing Arndt, University of Copenhagen; Karl Pauw, International Food Policy Research Institute; James Thurlow, International Food Policy Research Institute

2044 Health and Welfare in African Agriculture
Greenway I, Second Level

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

Moderator: Mary Muth, RTI International

Impact of Household Crop Diversification and Agricultural Commercialization on Child Nutrition in Zambia
Rhoda Mukuka, Indaba Agricultural Policy Research Institute; Christian Kuhlgatz, Thünen-Institut für Marktanalyse

Kolawole Ogundari, Kyushu University Fukuoka Japan

Welfare Effects of Policy-induced Rising Food Prices on Farm Households in Nigeria
Adebayo Shittu, Federal University of Agriculture; Oluwakemi Obayelu, University of Ibadan; Kabir Salman, University of Ibadan

Exploring Food Commodity Price Risk Preferences among Tanzanian Households
Linnden McBride, Cornell University

2045 The Changes in Maternal Household and Social Roles and Children's Health Outcomes
Greenway J, Second Level

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

Moderator: Ting Meng, University of Georgia

Urbanization, Nutrition Transition, and Obesity: Evidence from China
Song Zhou, Texas A&M University; Titus Awokuse, University of Delaware

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

Yours is Mine, Mine is Mine No Matter Whether You Know About It Or Not: Measuring Women's Intra-household Monetary Bargaining Power Using a Theoretically Based Field Experiment
Wenbo Zou, University of California, Davis
Concurrent Sessions — Tuesday, 1:00 PM - 2:30 PM

2046  Causes and Consequences of Childhood Well-being: Evidence from Colombia and Sub-Saharan Africa
Skyway A, Second Level

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

Moderator: Eugenie Maiga, African Center for Economic Transformation

Agricultural Technology Adoption and Child Nutrition: Improved Maize Varieties in Rural Ethiopia
Di Zeng, Virginia Polytechnic Institute and State University; Jeffrey Alwang, Virginia Polytechnic Institute and State University; George Norton, Virginia Polytechnic Institute and State University; Bekele Shiferaw, CIMMYT; Moti Jaleta, CIMMYT, Addis Ababa; Chilot Yrga, Ethiopian Institute of Agricultural Research

The Relationship between Childhood Circumstances and Adult Health Disparities: Evidence from Colombia
Johanna Fajardo-Gonzalez, University of Minnesota

Determinants of Child Malnutrition in Tanzania: A Quantile Regression Approach
Sakiko Shiratori, JICA Research Institute

Children First: Understanding Children's Well-being in Northern Ghana
Yacob Zereyesus, Kansas State University; Aleksan Shanoyan, Kansas State University; Kara Ross, Kansas State University; Vincent Amanor-Boadu, Kansas State University

2047  Broad Topics Analyzed from a Gender Perspective
Skyway B, Second Level

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

Moderator: Anil Bhargava, University of Michigan

Daycare, Durables, and Imperfect Credit Markets: Evidence from Rio de Janeiro
Maira Reimao, University of California, Davis

The Sustainable Choice: How Gendered Difference in the Importance of Ecological Benefits Affect Production Decisions of Small-holder Cacao Producing Households in Ecuador
Trent Blare, University of Florida; Pilar Useche, University of Florida; Kelly Grogan, University of Florida

Are There Gender Differences in the Perceived Impact of Land Security?: Evidence from Urban Lesotho
Rie Muraoka, Michigan State University; Mywish Maredia, Michigan State University; Songqing Jin, Michigan State University

2048  Extreme Event Risk: Flood and Wildfire
St. Croix, Second Level

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

Moderator: Marzieh Motallebi, Colorado State University

Climate Risk Management Strategies in Agriculture – The Case of Flood Risk
Robert Finger, Wageningen University; Johannes Sauer, Technische Universität München

Housing Price Response to Varying Flood Risk Return Periods in Galveston County, Texas
Ajita Atreya, University of Pennsylvania; Jeffrey Czajkowski, University of Pennsylvania

Property Damage from Flooding; Sensitivities to Climate Change and Economic Growth
Jing Liu, Purdue University; Thomas Hertel, Purdue University; Michael Delgado, Purdue University; Moetasim Ashfaq, Oak Ridge National Laboratory; Noah Diffenbaugh, Stanford University

Willingness to Pay to Reduce Wild Fire Risk in Wild Land-Urban Interface: A Comparative Analysis of Public Programs and Private Actions
Laine Christman, University of Nevada, Reno; Kimberly Rollins, University of Nevada, Reno; Michael Taylor, University of Nevada, Reno
**Concurrent Sessions — Tuesday, 1:00 PM - 2:30 PM**

**2049 Methods**  
*Lakeshore A, Main Level*

**Selected Paper Presentation**

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

**Moderator:** Michael Gunderson, Purdue University

**Tail Dependence, Copulas and Crop Insurance Rate Setting**  
*Xiaodong Du, University of Wisconsin; Hongli Feng, Iowa State University; David Hennessy, Iowa State University*

A Comparison of Parametric and Nonparametric Estimation Methods for Cost Frontiers and Economic Measures  
*Bryon Parman, Mississippi State University; Allen Featherstone, Kansas State University; Vincent Amanor-Boadu, Kansas State University*

Experimental Auctions to Evaluate Incentives for Cost-effective Agricultural Phosphorus Abatement in the Great Lakes  
*Leah Harris, Michigan State University; Scott Swinton, Michigan State University; Robert Shupp, Michigan State University*

Integrating Efficiency Concepts in Technology Approximation: A Weighted DEA Approach  
*Kota Minegishi, University of Maryland*

**2050 Topics in Applied Empirical Methods**  
*Lake Nokomis, Fourth Level*

**Selected Paper Presentation**

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

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

Non-Optimal Behavior and Estimation of Risk Preferences  
*Zhengfei Guan, University of Florida; Feng Wu, University of Florida*

Estimating Dynamic Performance Indices for Water Utilities: An Application of a Dynamic Factor Model  
*Yorghos Tripodis, Boston University; Nikos Zirogiannis, Indiana University Bloomington*

Endogenous Price In a Dynamic Model for Agricultural Supply Analysis  
*Wei Zhou, Iowa State University; Bruce Babcock, Iowa State University*

On the Relationship between Financial Stability and Economic Performance: Stressing the Importance of Nonlinear Modelling  
*David Ubilava, University of Sydney*

**2051 Conservation Behavior of Farmers: Policy Design and Institutional Issues**  
*Lake Calhoun, Fourth Level*

**Selected Paper Presentation**

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

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

Are Farmer Transaction Costs a Barrier to Conservation Program Participation?  
*Laura McCann, University of Missouri; Roger Claassen, USDA-Economic Research Service*

Do Farmers Treat Rented Land Differently than the Land they Own? A Fixed Effects Model of Farmer’s Decision to Adopt Conservation Practices on Owned and Rented Land  
*Karthik Nadella, University of Guelph; Brady James Deaton, Jr., University of Guelph; Chad Lawley, University of Manitoba; Alfons Weersink, University of Guelph*

Institutional and Economic Complications of River Basin Water Quality Management: The Case of Selenium in Colorado’s Lower Arkansas River Valley  
*Misti Sharp, Colorado State University; Dana Hoag, Colorado State University*

*Xiangping Liu, University of Gothenburg*
Concurrent Sessions — Tuesday, 1:00 PM - 2:30 PM

2052  Point-nonpoint Source Water Quality Trading  
Lake Superior A, Fifth Level

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

Moderator: Xiang Bi, University of Florida

Farmers’ Adoption of Best Management Practices in Kentucky  
Hua Zhong, University of Kentucky; Wuyang Hu, University of Kentucky

A Model of Agricultural Land Use, Costs, and Water Quality in the Chesapeake Bay  
Patrick Fleming, University of Maryland

Controlling Non-additional Credits from Nutrient Management in Water Quality Trading Programs through Eligibility Baseline Stringency  
Jeffrey Savage, USDA-Economic Research Service; Marc Ribaudo, USDA-Economic Research Service

Point-Nonpoint Heresy?! An Endogenous Risk Explanation for Point-Nonpoint Trading Ratios Less than One  
Richard Horan, Michigan State University; James Shortle, The Pennsylvania State University

2053  Stochastic and Systematic Risk Analyses  
Lake Superior B, Fifth Level

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

Moderator: Jessica Cao, University of Guelph

Optimal Abatement Policy in a Stochastic Control Framework  
Wonjun Chang, University of Wisconsin; Thomas Rutherford, University of Wisconsin

Technology Uncertainty and Learning by Doing in the Cellulosic Biofuel Investment  
Fanglin Ye, University of Illinois at Urbana-Champaign; Nicholas Paulson, University of Illinois at Urbana-Champaign; Madhu Khandan, University of Illinois at Urbana-Champaign

Ranking Specialty Crop Profitability: Iterative Stochastic Dominance  
Joseph Parcell, University of Missouri; Jewelwayne Cain, University of Missouri; Ryan Milhollin, University of Missouri; Alan Weber, Marc IV Consulting

Systemic Risk in Wheat Yields  
Ashley Hungerford, North Carolina State University

2054  Local Food  
Lake Harriet, Fourth Level

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

Moderator: Ye Su, University of Missouri

Spatially Varying Impacts of Farmers’ Markets on Agricultural Land Use  
Tomoaki Murakami, University of Tokyo; Nakajima Shinsaku, Meiji University; Takahashi Taro, University of Tokyo; Nishihana Yukinaga, University of Tokyo; Imai Asako, University of Tokyo; Kikushima Ryousuke, University of Tokyo; Sato Takeshi, University of Tokyo

Expanding the Distribution of Local Food  
Jane Kolodinsky, University of Vermont; Erin Roche, University of Vermont; Sona Desai, Intervale Center

Farm Decision Making and Gender  
Chao Yang, Virginia Polytechnic Institute and State University; Jeffrey Alwang, Virginia Polytechnic Institute and State University
2055  What Will It Take to Get Energy Crops Off the Ground: Land Use Subsidies, Price Subsidies, and Crop Insurance?
Regency, Second Level

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

Discussant: David Zilberman, University of California, Berkeley

The Effects of Land Use Subsidies on Land Use for Energy Crops: Real Options and Costly Reversibility
Feng Song, Renmin University; Jinhua Zhao, Michigan State University; Scott Swinton, Michigan State University

Why Price Subsidies May Not be Enough to Induce Production of Energy Crops for Cellulosic Biofuels
Ruiqing Miao, University of Illinois; Madhu Khanna, University of Illinois at Urbana-Champaign

Incentivizing Biomass Production via Crop Insurance Changes
Raymond Massey, University of Missouri

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

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

Organizer: James Sterns, Oregon State University

Discussant: Allen Francis Wysocki, University of Florida

A Bridge Too Far? – A Review of the Literature Detailing Prescriptions about Agribusiness Capstone Courses
James Sterns, Oregon State University

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

It’s a Wonderful Life? Lessons Learned from the Creation and Demise of a Multi-institution Inter-disciplinary Capstone Course
Rodney Holcomb, Oklahoma State University

Back to the Future? Best Practices, Constraints & Moving Forward – Capstone Courses for Tomorrow’s Agribusiness Programs
Robert Brent Ross, Michigan State University
Concurrent Sessions — Tuesday, 2:45 PM - 4:15 PM

2057  Chinese Consumers’ Preference and Willingness-to-Pay
Lakeshore B, Main Level

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

Organizer: Yanhong Jin, Rutgers University
Moderator: Yu Yvette Zhang, Texas A&M University

Home Owners’ Willingness-to-Buy for Flood Insurance in Rural China
Jinzheng Ren, China Agricultural University; Longling Li, China Agricultural University; Hong Holly Wang, Purdue University

Consumer Acceptance and Willingness-to-Pay for Genetically Modified Rice in China under Different Information Provided
Jing Jin, University of Arkansas; Eric Wailes, University of Arkansas; Bruce Dixon, University of Arkansas; Rodolfo Nayga, University of Arkansas; Zhihao Zheng, China Agricultural University of Economics & Management

Chinese Consumers’ Preference and Willingness-to-Pay for Traceable Food Attributes: The Case of Pork
Linhai Wu, Jiangnan University; Shuxian Wang, Jiangnan University; Dian Zhu, Jiangnan University; Hongsha Wang, Jiangnan University; Lingling Xu, Jiangnan University

The Value of “Made in USA”: Impact of Chinese Acquisition of a US Company on Consumer Willingness-to-Pay
Yu Yvette Zhang, Texas A&M University; Shaosheng Jin, Zhejiang University

2058  Econometric Analysis of Crop Yield Distributions and Crop Insurance Programs
Lakeshore C, Main Level

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

Organizer: Ximing Wu, Texas A&M University

Semi-Parametric Density Estimation of Crop Yield Distributions: Bridging the Gap between Parametric Mixtures and Variable Bandwidth Kernel Densities
Barry Goodwin, North Carolina State University

Heterogeneous Effects of Warming and Drought on Selected Wheat Variety Yields: A Moment Based Maximum Entropy Approach
Jesse Tack, Mississippi State University

Nonparametric Estimation of Conditional Crop Yield Distributions
Ximing Wu, Texas A&M University
**Concurrent Sessions — Tuesday, 2:45 PM - 4:15 PM**

2059  **Graduate Student Extension Competition Winners**  
*Mirage, Second Level*

**Extension and GSS Section Track Session**  
The Graduate Student Extension Competition consists of graduate student prepared work and presentation of that work to an Extension audience. It showcases the student's ability to communicate work product to an extension audience.  
**Organizer:** Donald Malone, III, Oklahoma State University

2060  **Leveraging Federal Data Sources: The Case of Local Food Assessments**  
*Greenway A, Second Level*

**CRENET Section Track Session**  
Growing interest in local food has incited attention from researchers and policymakers to measure its trends and impacts; yet, assessing the requisite data can be difficult given that most nationally-available sources do not delineate by market channel. As a result, many local food assessments utilize case study approaches that include narrow geographic and market scope, as well as divergent methodologies—making it difficult to draw generalizable conclusions. This session brings together three papers that utilize nationally-available data on local foods, contributing to the literature on local food trends and assessments, and the discussion of national data priorities.  
**Organizers:** Becca Jablonski, Cornell University; Stephen Vogel, USDA-Economic Research Service  
**Moderator:** Stephen Vogel, USDA-Economic Research Service  
Discerning Differential Expenditure Patterns of Local Food System Participants: Using ARMS to Assess the Role of Scale  
**Becca Jablonski, Cornell University; Stephen Vogel, USDA-Economic Research Service; Todd Schmit, Cornell University**  
Comparing Cohorts in ARMS: Identifying Representative Direct Market Farm and Ranch Enterprises  
**Dawn Thilmany McFadden, Colorado State University**  
Using Agricultural Census Data to Assess Changes in Direct-to-Consumer Marketing Participation by US Farmers 2002-2012  
**Ani Katchova, University of Kentucky; Stephen Vogel, USDA-Economic Research Service**
There has been a resurgence of interest in the impacts of agricultural productivity on land use and the environment. At the center of this debate is Norman Borlaug's assertion that agricultural innovation is 'land-sparing'. However, the validity of this proposition rests, among other things, on his assumption of a fixed demand for food. Borlaug’s hypothesis has recently been brought into question by a series of studies of land use change which argue in favor of a competing hypothesis -- dubbed “Jevons’ paradox” -- which suggests that increases in agricultural productivity will be accompanied by an expansion in land area. Rudel et al. (2009) scrutinize FAO data for 961 agricultural sectors in 161 countries over a 15 year period, finding little evidence of higher yields being accompanied by reduced area. All of these studies suffer from the challenge of estimating what would have happened in the absence of such agricultural innovation. There is also a strong tendency in this literature to adopt a regional, rather than a global perspective, thereby ignoring impacts in the rest of the world, where land use and associated greenhouse gas (GHG) emissions may fall in the wake of this innovation.

Organizer: Thomas Hertel, Purdue University
Moderator: Everett Peterson, Virginia Polytechnic Institute and State University
Discussant: Carol Jones, USDA-Economic Research Service

Does Agricultural Intensification Spare Land? Revisiting History and Exploring the Future
Thomas Hertel, Purdue University; Uris Lantz Baldos, Purdue University; Navin Ramankutty, McGill University

Agricultural Trade and Tropical Deforestation – Interactions and Related Policy Options
Christoph Schmitz, Potsdam Institute for Climate Research; Hermann Lotze-Campen, PIK; Anne Biewald, Potsdam Institute for Climate Research; Florian Humpenöder, Potsdam Institute for Climate Research; Alexander Popp, Potsdam Institute for Climate Research; Christoph Mueller, Potsdam Institute for Climate Research

International Trade Patterns, Land Cover Change and Crop Productivity
Nelson Villoria, Purdue University

Evaluating the Influence of Agricultural Productivity Change in Brazil on Global Land Use and GHGs
Avery Cohn, Tufts University; Samuel Evans, Colorado State University; Maria Bowman, Natural Resources Defense Council; David Roland-Holst, University of California, Berkeley

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

Organizers: A. Gene Nelson, Texas A&M University; David Schweikhardt, Michigan State University
Moderator: John Lee, Jr., Mississippi State University

What Have We Learned about the Formation of State Health Insurance Marketplaces and Where Will We Go Next?
April Todd-Malmlov, Minnesota Health Insurance Marketplace

What Do We Know about Insurance Provider Participation on Health Insurance Marketplaces?
Roger Feldman, University of Minnesota

Continuing Issues for Employers and Health Care as a Source of Competitive Advantage in Economic Development
David Schweikhardt, Michigan State University
AFM and ARA Section Track Session

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

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

Risk-Adjusted Directional Distance Efficiency Measures
Saleem Shaik, North Dakota State University

Risk Mitigation from Combining Commodity and Crop Insurance Programs: Evidence from Illinois and Kansas
Carl Zulauf, The Ohio State University; Gregory Ibendahl, Kansas State University; Gary Schnitkey, University of Illinois at Urbana-Champaign

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

The Behavior of the Variance Risk Premium in the Soybean Complex
Zhiguang Wang, South Dakota State University; Scott Fausti, South Dakota State University; Bashir Qasmi, South Dakota State University

Organized Symposium

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

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

World Food Price Rises and the Poor 2006-12: A Slow Food Price Crisis?
Maros Ivanic, The World Bank; William Martin, The World Bank

Food Prices and Poverty Reduction in the “Long Run”
Derek Headey, International Food Policy Research Institute

Food Prices, Wages, and Welfare in Rural India
Hanan Jacoby, The World Bank

The Impact of Food Price Shocks in Uganda: First-Order Versus Long-Run Effects
Concurrent Sessions — Tuesday, 2:45 PM - 4:15 PM

2066  New Product Development and Value Chains  
Greenway D, Second Level

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

Moderator: Ziran Li, Iowa State University

New Product Adoption in a Friendship Network using Spatial Lag Model  
Di Fang, Arizona State University; Timothy Richards, Arizona State University

Consumer Perceptions of Low Carbon Food and WTP for Mandatory Implementation of Low Carbon Agriculture in South Korea  
Hyeyoung Kim, University of Florida; Tae-Kyun Kim, Kyungpook National University; Lisa House, University of Florida

Value Creation across the Food and Agriculture Value Chain  
Maria Cucagna, University of Illinois at Urbana-Champaign; Peter Goldsmith, University of Illinois at Urbana-Champaign

2067  System Influences on Behavior  
Greenway E, Second Level

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

Moderator: Amanda Weaver, Oklahoma State University

Nudges in the Supermarket: Experience from Point-of-Sale Signs  
Janani Rajbhandari Thapa, Texas Tech University; Conrad Lyford, Texas Tech University; Barent McCool, Texas Tech University; Eric Belasco, Montana State University; Barbara Pence, Texas Tech University; Audrey McCool, Texas Tech University; Tyra Carter, United Supermarkets, LLC

Can Food Stamp Policies Encourage Healthy Eating? An Experiment on Food Stamp Restrictions  
Amanda Weaver, Oklahoma State University; Jayson Lusk, Oklahoma State University

Do Federal Assistance Programs Mitigate the Effect of Energy Price Shocks on Food Insecurity?  
Charlotte Tuttle, USDA-Economic Research Service

2068  Innovative Models of Consumer Demand  
Greenway F, Second Level

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

Moderator: James Eales, II, Purdue University

An Inverse Almost Ideal Demand System for Blue Crab in Chesapeake Bay: Seasonality and Endogeneity  
Pei Huang, Texas A&M University

On Price Endogeneity in the Analysis of Food Demand in China  
Vardges Hoehanniyan, University of Minnesota; Marin Bozic, University of Minnesota-Twin Cities

Impacts of Branded versus Non-Branded Seafood Products on Demand Elasticity with Theory-Based Priors  
Yoonsuk Lee, University of Arkansas; Jae Bong Chang, Yeungnam University

Learning in Credence Good Markets: An Example of Vitamins  
Iryna Demko, The Pennsylvania State University
Concurrent Sessions — Tuesday, 2:45 PM - 4:15 PM

**2069  International Food Consumers**  
Greenway G, Second Level

**Selected Paper Presentation**  
The shopping behavior and product choices of international consumers are explored in this session.

**Moderator:** Mary Muth, RTI International

The Effects of Country of Origin Images and Patriotism on British Consumer Preference for Beef  
**Thong Meas,** University of Kentucky; Wuyang Hu, University of Kentucky; Carola Grebitus, Arizona State University; Gregory Colson, University of Georgia

Modeling Food Retail Format Choice and Shopping Frequency Decision in Urban Ghana: A Multivariate Ordered Probit Regression Application  
**Ting Meng,** University of Georgia; Wojciech Florkowski, University of Georgia; Daniel Sarpong, University of Ghana-Legon; Manjeet Chinnan, University of Georgia; Anna Resurreccion, University of Georgia

EU Consumers’ Perceptions of Fresh-cut Fruit and Vegetables Attributes: a Choice Experiment Model  
Antonio Baselice, University of Foggia; Francesca Colantuoni, University of Massachusetts; Daniel Lass, University of Massachusetts Amherst; Gianluca Nardone, University of Foggia; Antonio Stasi, University of Foggia

Psychographic Characteristics and Trust in Food Marketing Claims: A Case Study from Two European Countries  
**Jill Ann Fitzsimmons,** University of Massachusetts; Francesca Colantuoni, University of Massachusetts; Gianni Cicia, University of Naples Federico II; Teresa Del Giudice, University of Naples Federico II

**2070  Food Security and Policy in Developing Countries**  
Greenway H, Second Level

**Selected Paper Presentation**  
Food policies and food security in developing countries.

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

Food Policies – Implication for Food Sector in India  
**Marta Kozicka,** University of Bonn; Matthias Kalkuhl, Center for Development Research; Shweta Saini, ICRIER

Food Security for Whom? The Effectiveness of Food Reserves in Poor Developing Countries  
**Randall Romero-Aguilar,** The Ohio State University; Mario Miranda, The Ohio State University

Achieving Food vs. Fuel Security – Economywide Implications of India’s “Right to Food Act 2013”  
**Dileep Birur,** RTI International; Robert Beach, RTI International

**2071  Recent Developments Regarding Food Safety**  
Greenway I, Second Level

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

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

Upstream and Downstream Strategic Food Safety Interactions  
**Miyoung Oh,** Iowa State University; David Hennessy, Iowa State University

Demand and Welfare Impacts of a Potential Food Safety Event in the Blackberry Industry  
**Roderick Rejesus,** North Carolina State University; Charles Saffey, North Carolina State University; Bernadine Strik, Oregon State University

Mandatory vs. Voluntary Adoption of Food Safety Innovations: Rise of the Pasteurized Milk and Public Health  
**Huiqiang Wang,** University of Rhode Island

Aflatoxins - A Negative Nexus between Agriculture Nutrition and Health  
Concurrent Sessions — Tuesday, 2:45 PM - 4:15 PM

2072  Another Look at Obesity Issues
Greenway J, Second Level

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

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

Timing is Everything: The Role of Time in Fast-Food Purchasing Behavior in the United States
Abigail Okrent, USDA-Economic Research Service; Karen Hamrick, USDA-Economic Research Service

Socio-economic Status and Obesity in the US: Gender and Income Really Matter
Ruizhi Xie, University of Delaware; Titus Awokuse, University of Delaware

2073  Analysis of Mineral Fertilizer Adoption and Returns in Sub-Saharan Africa
Skyway A, Second Level

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

Moderator: Awudu Abdulai, University of Kiel

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

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

Spatial Dependence in the Adoption of the Urea Deep Placement for Rice Production in Niger State, Nigeria: A Bayesian Spatial Autoregressive Probit Estimation Approach
Serge Adjognon, Michigan State University; Lenis Liverpool-Tasie, Michigan State University

The Effect of Index Insurance on the Returns to Farm Inputs: Exploring Alternatives to Zambia’s Fertilizer Subsidy Program
Katie Farrin, USDA-Economic Research Service; Anthony Murray, USDA-Economic Research Service

2074  Environmental Issue and Technical Efficiency: Evidence from Africa, Asia and the Pacific
Skyway B, Second Level

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

Moderator: Scott Swinton, Michigan State University

CO2 Emissions from Deforestation and Efficiency in Agricultural Productivity: The Case of Sub-Saharan Africa
Aziza Kibonge, University of Nebraska

Costs and Benefits of Ecosystem-based Adaptation for Flood Risk Reduction in Fiji
Pike Brown, Landcare Research; Adam Daigneault, Landcare Research

Productivity and Technical Inefficiency of Alternative Pest Management Compliant and Non-Compliant Farmers: The Case of Shallot Growers in Indonesia
Wâhida Maghraby, University of Adelaide; Wendy Umberger, University of Adelaide; Dale Yi, Michigan State University

Market Power and Economic Consequences of Storage Pest Damage in Rwandan Dry Bean Markets
Michael Jones, University of Florida; Corinne Alexander, Purdue University; Bruce Smith, Consultant
Concurrent Sessions — Tuesday, 2:45 PM - 4:15 PM

2075  Agricultural Land Use Change and Development  
St. Croix, Second Level

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

Moderator: Danny Campbell, University of Stirling

Climate Change Impacts on the Intensive and Extensive Margins of US Agricultural Land  
Jonathan McFadden, Iowa State University; John Miranowski, Iowa State University

Climate Change Adaptation and Shifts in Land Use for Major Crops in the US  
Sung Ju Cho, Texas A&M University; Bruce McCarl, Texas A&M University; Ximing Wu, Texas A&M University

Impacts of Fragmentation and Neighbor Influence on Farmland Conversion: A Case Study of the Edmonton-Calgary Corridor of Canada  
Feng Qiu, University of Alberta; Larry Laliberte, University of Alberta; Brent M. Swallow, University of Alberta; Scott R. Jeffrey, University of Alberta

The Effect of Downzoning on Spatial Development Patterns  
Jeffrey Ferris, University of Maryland; David Newburn, University of Maryland

2076  International  
Minnehaha, Second Level

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

Moderator: Mohua Haque, The Samuel Roberts Noble Foundation

Long-Term Determinants of Agricultural Output in Smallholder Farmers in Rwanda  
Ildephonse Musafiri, Center for Development Research

How do Business Practices Affect Micro and Small Firms’ Performance in a Developing Country?  
Long Trinh, National Graduate Institute for Policy Studies; Tetsushi Sonobe, National Graduate Institute for Policy Studies

More than Adopters: The Welfare Impacts of Farmer Innovation in Rural Ghana  
Justice Tambo, Center for Development Research; Tobias Wünscher, Center for Development Research

Land Allocation for Grains and Oilseeds in Post-Soviet Russia: Do Crop Prices Matter?  
Ekaterina Vorotnikova, University of Florida; Serhat Asci, University of Florida; James Seale, Jr., University of Florida

2077  Model Specification and Validation  
Lake Superior A, Fifth Level

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

Moderator: C. Richard Shumway, Washington State University

Distribution-free Methods for Estimation of Willingness-to-Pay Models Using Discrete Response Valuation Data  
Carlos Carpio, Texas Tech University; Samuel Zapata, Clemson University

An Application of Kernel Density Estimation via Diffusion to Group Yield Insurance  
Austin Ramsey, North Carolina State University

Crop Choice and Rotational Effects: A Dynamic Model of Land Use in Iowa Recent Years  
Yongjie Ji, Iowa State University; Catherine Kling, Iowa State University; Sergey Rabotyagov, University of Washington
Concurrent Sessions — Tuesday, 2:45 PM - 4:15 PM

2078  Biofuels and Their Effects on Land Use  
Northstar A, Second Level

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

Moderator: Johannes Sauer, Technische Universität München

Exploring the Implications of Oil Prices for Global Biofuels, Food Security, and GHG Mitigation  
Yongxia Cai, RTI International; Robert Beach, RTI International; Yuquan Zhang, RTI International

Global Land Use Impacts of US Ethanol: Static vs. Dynamic Economic Modeling  
Alla Golub, Purdue University; Thomas Hertel, Purdue University; Steven Rose, Electric Power Research Institute

Costs of Maintaining the Conservation Reserve Program In the Presence of Biofuels  
Madhu Khanna, University of Illinois at Urbana-Champaign; Xiaoguang Chen, Southwestern University of Finance and Economics

2079  Point Source Pollution and Policy Design  
Lake Calhoun, Fourth Level

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

Moderator: Christopher Burns, University of Massachusetts Amherst

Third Party Certification and Self-regulation: Evidence from Responsible Care and Accidents in the US Chemical Industry  
Huan Li, State University of New York at Binghamton; Neha Khanna, Binghamton University; Martina Vidovic, Rollins College

Market Competition and Abatement Technology Diffusion under Environmental Liability Law  
Yi Li, Southern Methodist University

Economics of Oil and Gas Development in the Presence of Reclamation and Bonding Requirements  
Yoshiyuki Igarashi, University of Wyoming; Roger Coupal, University of Wyoming; David Finnoff, University of Wyoming; Matthew Anderson, University of Wyoming

Leveling the Playing Field of Alternative Fuels: Incorporating the Effect of Natural Gas Vehicles on Coal Emissions  
Jonathan Eyer, North Carolina State University; Steven Sexton, North Carolina State University

2080  Impact of Development Policies  
Lake Harriet, Fourth Level

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

Moderator: Jeffrey Savage, USDA-Economic Research Service

Decentralization of National Transfer Programs: Compliance, Local Revealed Equivalence Scales, and Efficacy of Aid  
Andrew Simons, Cornell University

The Impact of County Level Business Taxes on Entrepreneurship  
Shaheer Burney, University of Kentucky; Alison Davis, University of Kentucky; James Allen, University of Kentucky

Do Water Service Provision Contracts with Neighboring Population Centres Reduce Drinking Water Risk on Canadian Reserves?  
Bethany Woods, University of Guelph; Brady James Deaton, Jr., University of Guelph

Life Satisfaction of the Elderly Population in Rural China: The Impacts of Government Programs  
Ya Ding, University of Electronic Science and Technology of China
Concurrent Sessions — Tuesday, 4:30 PM - 6:00 PM

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

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

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

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

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

Organizer: Yanhong Jin, Rutgers University
Moderator: Jie Lu, Renmin University of China

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

Yumei Zhang, Agricultural Information Institute of Chinese Academy of Agricultural Sciences; Mateusz Filipski, International Food Policy Research Institute; Kevin Chen, IFPRI-Beijing; Xinshen Diao, International Food Policy Research Institute

Has China’s Domestic Food Prices Become More Stable? An Investigation Based on a Structural Break Regime Switching Model
Jie Lu, Renmin University of China; Zhong Tang, Renmin University of China; Yujie Lin, Renmin University of China; Xinkai Zhu, Renmin University of China
Concurrent Sessions — Tuesday, 4:30 PM - 6:00 PM

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

Skyway A, Second Level

NAAEA Section Track Session

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

Organizer: Susan Capalbo, Oregon State University
Discussant: David Lambert, Kansas State University
Presenter: Gary Thompson, University of Arizona

The Efficacy of Alternative Metrics
Susan Capalbo, Oregon State University

Metrics in a Changing World
Eluned Jones, South Dakota State University

A Federal Perspective on Metrics
Mary Bohman, USDA-Economic Research Service

Outcome Measures
Philip Pardey, University of Minnesota

2084  Spatial Econometrics Methods

Lakeshore C, Main Level

Econometrics Section Track Session

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

Organizer: Ximing Wu, Texas A&M University

Spatial Econometrics Methods
Katherine Baylis, University of Illinois at Urbana-Champaign
**2085  Global Trends in Marketing and Demand of Meat and Dairy Products**  
*Lake Superior A, Fifth Level*

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

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

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

**Consumer Valuation of Organic and Conventional Milk: Taking a Closer Look at Shelf Life**  
*Christiane Schroeter, California Polytechnic State University; Charles Nicholson, The Pennsylvania State University; Margaret Meloy, The Pennsylvania State University*

**Drivers of Demand for “Certified Organic” Poultry Products in Indonesia**  
*Wendy Umberger, University of Adelaide; Wahida Maghraby, University of Adelaide; Nicholas Minot, International Food Policy Research Institute*

**European Consumer Preferences for Domestic and Imported Beef with International Quality Certifications and Growth Hormone Claims**  
*Carola Grebitus, Arizona State University; Gregory Colson, University of Georgia; Wuyang Hu, University of Kentucky*

**Are Animal Attitudes Linked to Attitudes Towards the Use of Genomics In the Same Way Across Countries?**  
*Ellen Goddard, University of Alberta; Anahita Hosseini Matin, University of Alberta*

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**2086  Tips on Communicating in an Academic Setting**  
*Greenway A, Second Level*

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

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

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

**How to Publish Academic Papers**  
*Brian Roe, The Ohio State University*

**How to Give Meaningful Presentations**  
*Jayson Lusk, Oklahoma State University*

**How to Communicate Research Through Extension Programs**  
*Dawn Thilmany McFadden, Colorado State University*
The Evolving Structure of US Agriculture: Productive or Disruptive Change for Rural America

Greenway C, Second Level

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

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

20-year Evolution of Farm Structure Brings Sector Resilience
Mary Ahearn, USDA-Economic Research Service; Virginia Harris, USDA-National Agricultural Statistics Service

Implications for Communities
Michael Woods, Oklahoma State University; Steven Deller, University of Wisconsin

Implications for Agribusiness and Cooperatives
Michael Cook, University of Missouri

Is it Productive or Disruptive?
Danny Klinefelter, Texas A&M University

Crop Outlook
Mirage, Second Level

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

Organizer: James Welch, Texas A&M University

Wheat Outlook
Frayne Olson, North Dakota State University

Corn and Soybean Outlook
James Hilker, Michigan State University

Cotton Outlook
John Robinson, Texas A&M University

Outlook for Alternative Crops
James Welch, Texas A&M University
Concurrent Sessions — Tuesday, 4:30 PM - 6:00 PM

2089  A New Transdisciplinary Approach to Regional Integrated Assessment of Climate Impact and Adaptation in Africa and South Asia  
Regency, Second Level

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

Organizer: John Antle, Oregon State University

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

Climate Impact and Adaptation in West, East and Southern Africa: Pathways, Impacts and Adaptation  
Ibrahima Hathie, Initiative Prospective Agricole et Rurale; Richard Mulwa, University of Nairobi; Sabine Homann-Kee Tui, ICRISAT; Charles Nehemachena, Human Sciences Resource Council

Climate Impact and Adaptation in South Asia: Pathways, Impacts and Adaptation  
Muhammad Ashfaq, Al-Shamas Seed & Pesticides; P. Paramasivam, Tamil Nadu Agricultural University; Harbir Singh, Indian Center for Agricultural Research; Dumindu Herath, Foundation for Environmental, Climate and Technology

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

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

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

Panelists: Katherine Baylis, University of Illinois at Urbana-Champaign; Jennifer Bond, Colorado State University; Wally Thurman, North Carolina State University
Concurrent Sessions — Tuesday, 4:30 PM - 6:00 PM

2091  Addressing the Local Impacts of Oil and Gas Development: Is State Fiscal Policy Up to the Task?
Northstar B, Second Level

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

Organizer: Linda Young, Montana State University
Moderator: Roger Coupal, University of Wyoming
Discussant: Roger Coupal, University of Wyoming

Emerging Approaches to Measuring Community Impacts from Oil and Gas Development: Process and Metrics in the US West
Mark Haggerty, Headwaters Economics

The Political Economy of Taxation and Marcellus Shale Development in Pennsylvania
Kyle Hoy, The Pennsylvania State University; Timothy Kelsey, The Pennsylvania State University

Home from Holiday: Lessons from the Debate on Taxation on Unconventional Drilling in Montana
Linda Young, Montana State University

2092  Water and Energy
Lake Harriet, Fourth Level

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

Incorporating Random Effects in Structural Models of Piecewise-Linear Pricing: An Application to Residential Water Demand in North Carolina
Roger Von Haefen, North Carolina State University; Marwa Salem, North Carolina State University

Residential Water Demand Effect of Increasing Block Rate Water Budgets
Kenneth Baerenklau, University of California, Riverside; Kurt Schwabe, University of California, Riverside

Market Structure and Energy Efficiency Regulation: The Case of Clothes Washers
C. Anna Spurlock, Lawrence Berkeley Lab

Evaluate the Impact of Voluntary Program on Promoting Energy Efficient Technology
Rong Zhou, University of Connecticut; Kathleen Segerson, University of Connecticut

2093  Risk Aversion in US Agriculture
Greenway D, Second Level

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

Moderator: Benjamin Campbell, University of Connecticut

Producer Perceptions of Risk and Time
Kendra Hedge, Purdue University; Elizabeth Yeager, Purdue University

The Role of Risk and Risk-Aversion in Adoption of Alternative Marketing Arrangements by the US Farmers
Wu-Yueh Hu, National Chung Hsing University; Tomislav Vukina, North Carolina State University; Xiaoyong Zheng, North Carolina State University

Threshold Effects on Procurement Price Relationships for Fed Cattle and Hogs
Yoonsuk Lee, University of Arkansas; Clement Ward, Oklahoma State University; Mallory Kay Vestal, West Texas A&M University
Concurrent Sessions — Tuesday, 4:30 PM - 6:00 PM

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

**Selected Paper Presentation**

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

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

Attribute Non-attendance in Food Choice Experiments under Varying Information Load  
*Meng Shen, University of Florida; Zhifeng Gao, University of Florida; Schroeder Ted, Kansas State University*

A Hedonic Analysis of Artisan Cheese Prices: The Value of Food Safety Attributes to Consumers  
*Kurt Waldman, Michigan State University*

Addressing Elimination and Selection by Aspects Decision Rules in Discrete Choice Experiments: Does it Matter?  
*Seda Erdem, University of Stirling; Danny Campbell, University of Stirling; Carl Thompson, University of York*

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

**Selected Paper Presentation**

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

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

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

The Effect of Price and Non-Price Conservation Programs on Residential Water Demand  
*Serhat Asci, University of Florida; Tatiana Borisova, University of Florida*

The Role of Farmers’ Competition on Farmland Price in Bretagne Region of France  
*Chalachew Temesgen, French Agronomic Research Institute; Pierre Dupraz, French Agronomic Research Institute*

A Food Demand System Estimation for Rural Malawi: Estimates Using Third Integrated Household Survey Data  
*Assa Maganga, Lilongwe University of Agriculture and Natural Resources*

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

**Selected Paper Presentation**

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

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

Are Food Exchange Websites the Next Big Thing in Food Marketing? A Latent Class Analysis  
*Kar Ho Lim, Korea University; Michael Vassalos, Clemson University*

Optimal Licensing for Public Intellectual Property: Theory and Application to Plant Variety Patents  
*Julian Alston, University of California, Davis; Zoe Plakias, University of California, Davis*

Biofuels versus Food: How Much Brazilian Ethanol Production Can Affect Domestic Food Prices?  
*Daniel Henrique Dario Capitani, Brazilian Bioethanol Science and Technology Laboratory*

Eliciting Expert Opinion on Components of USDA Livestock Market Information  
*Jeremy Ross Pruitt, Louisiana State University; Glynn Tomor, Kansas State University; Kathleen Brooks, University of Nebraska-Lincoln*
Concurrent Sessions — Tuesday, 4:30 PM - 6:00 PM

2097  Economics of Production and the Environment
Greenway H, Second Level

Selected Paper Presentation
Production decisions, environmental impacts, and economic effects.

Moderator: Deepayan Debnath, University of Missouri

A Coupled Spatial Economic-Hydrological Model of Cropland Transitions and Environmental Impacts
Wendong Zhang, The Ohio State University; Na Chen, The Ohio State University; Elena Irwin, The Ohio State University; Seyoum Gebremariam, The Ohio State University; Jay Martin, The Ohio State University

Linking Farmers’ Nutrient Management Choices with Downstream Environmental Quality
Wendong Zhang, The Ohio State University; Elena Irwin, The Ohio State University

Markets for Agricultural Greenhouse Gas Offsets: The Role of Payment Design on Abatement Efficiency
Clae Garnache, Michigan State University; Pierre Merel, University of California, Davis; Juhwan Lee, University of California, Davis; Johan Six, University of California, Davis

2098  The Influence of Agriculture on Child Nutrition
Greenway I, Second Level

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

Moderator: Sean Cash, Tufts University

Longitudinal Analysis of Child Malnutrition Trends in Ghana
Kara Ross, Kansas State University; Aleksan Shanoyan, Kansas State University; Yacob Zereyesus, Kansas State University; Vincent Amanor-Boadu, Kansas State University

The Role of Agricultural Growth in Reducing Child Malnutrition
Sébastien Mary, European Commission - Joint Research Centre - IPTS; Sergio Gomez Y Paloma, European Commission - Joint Research Centre - IPTS

Market Access and Child Nutrition in a Conflict Environment
Amelia Darrouzet-Nardi, Tufts University; William Masters, Tufts University

2099  Market Power, Spatial Competition, and Climate Policy
Greenway J, Second Level

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

Moderator: David Davis, South Dakota State University

Mergers and Market Power in the US Nitrogen Fertilizer Industry
Jacob Humber, University of California, Davis

Spatial Competition and Economics of Biofuels from Corn Stover
Juan Pablo Sesmero, Purdue University; Joseph Balagtas, Purdue University

The Role of Market Scenarios on Farmers’ Switchgrass Adoption Decisions -- An Agent Based Modeling Approach
Haoyang Li, Michigan State University; Brent Ross, Michigan State University

Climate Policy and Border Measures: The Case of the US Aluminum Industry
Ian Sheldon, The Ohio State University; Steven McCorriston, University of Exeter Business School
Concurrent Sessions — Tuesday, 4:30 PM - 6:00 PM

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

Selected Paper Presentation
This session includes research analyzing the effects of commercialization and input and output contracts on household welfare and production. Papers focus on the effects of contract farming on household food security in Madagascar, the role of risk on horticulture crop adoption and participation in export markets in Ghana, the welfare effects of maize commercialization in Kenya, and the effects of land titling in Ethiopia on households’ contract choice.

Moderator: Kateryna Schroeder, University of Missouri

Smallholder Participation in Contract Farming and Food Security
Lindsey Novak, University of Minnesota; Marc Bellemare, University of Minnesota

Risk on Dynamic Behaviour of Farmers in the Export Market: A Case from the Pineapple Industry in Ghana
Aya Suzuki, University of Tokyo

Commercialization Effects on Household Income, Poverty, and Diversification: A Counterfactual Analysis of Maize Farmers in Kenya
John Olwande, Michigan State University; Melinda Smale, Michigan State University

Property Rights, Contracts, and Technology Adoption: Theory and Evidence
Kassahun Melesse, University of California, Davis

2101  Coping Strategies and Resiliency in Africa and Asia
       Lake Calhoun, Fourth Level

Selected Paper Presentation
Papers in this session address challenges and issues associated with household resiliency in Africa and Asia. Household strategies and policies to address these challenges are discussed.


Multidimensional Household Food Security Measurement in Rural Zambia
Ayala Wineman, Michigan State University

Non-Food Coping Strategies in Response to the World Food Price Crisis: Evidence from Education in India
Sharad Tandon, USDA-Economic Research Service

Estimating the Resiliency of Zambian Smallholder Farmers: Evidence from a Three-Wave Panel
Anthony Murray, USDA-Economic Research Service; Bradford Mills, Virginia Polytechnic Institute and State University

Food Price Subsidies and Nutrition: Evidence from State Reforms to India’s Public Distribution System
Prasad Krishnamurthy, University of California, Berkeley; Vikram Pathania, London School of Economics; Sharad Tandon, USDA-Economic Research Service

2102  Costs of International Trade
       Skyway B, Second Level

Selected Paper Presentation
In addition to firm performance both fixed and variable costs influence the decision to participate in trade. This session explores the role trade-specific costs in play in shaping the pattern of international trade.

Moderator: Harald Von Witzke, Humboldt University of Berlin

Misaligned Distance: Why Distance Can have a Positive Effect on Trade in Agricultural Products
Heiko Dreyer, University of Giessen

Trade Costs, Financial Constraints, and Firm Performance in Developing Countries
Eric Tseng, The Ohio State University
Concurrent Sessions — Tuesday, 4:30 PM - 6:00 PM

2103 Conservation, Ecosystem Services, and Land Use  
St. Croix, Second Level

Selected Paper Presentation
This session explores topics related to conservation, ecosystem services, and land use. Topics include tradeoffs between welfare and biodiversity objectives in urban open space protection, accounting for private benefits in ecological restoration targeting, the effects of conservation policies on residential development, and a hedonic approach for estimating natural capital values for agricultural land.

Moderator: Hillary Sackett, Westfield State University

Welfare and Biodiversity Tradeoffs in Urban Open Space Protection  
Liaila Tajibaeva, University of Minnesota; Robert Haight, US Forest Service; Stephen Polasky, University of Minnesota

Residential Development and the Effect of Competing Forest Conservation Policies  
Jeffrey Ferris, University of Maryland; David Newburn, University of Maryland

Accounting for Private Benefits in Ecological Restoration Planning  
Maksym Polyakov, University of Western Australia; David Pannell, University of Western Australia

Estimating a Natural Capital Account for Agricultural Land  
René Roy, McGill University; Paul Thomasin, McGill University

2104 Productivity  
Minnehaha, Second Level

Selected Paper Presentation
Papers in this session conduct measurement of productivity and identification of its driving factors on a range of activities.

Moderator: Terrance Hurley, University of Minnesota

Impact of Land Ownership on Productivity and Efficiency of Rice Farmers: A Simulated Maximum Likelihood Approach  
Krishna Koirala, Louisiana State University; Ashok Mishra, Louisiana State University; Samarendu Mohanty, International Rice Research Institute

Deconstructing the Inverse Land Size-yield Relationship  
Simone Pieralli, University of Maryland

Productivity and Efficiency of Southeastern US Meat Goat Farms  
Berdikul Qushim, Louisiana State University; Jeffrey Gillespie, Louisiana State University; Kenneth McMillin, Louisiana State University

The Conventional-Organic Crop Yield Gap: Evidence from Farm-Level Data  
Timothy Delbridge, University of Minnesota; Robert King, University of Minnesota

2105 Biofuels Policy Design and Price Effects  
Lake Superior B, Fifth Level

Selected Paper Presentation
This session looks at biofuels from a variety of perspectives, ranging from compliance costs under the renewable fuel standard to consumer preferences and the effect on livestock production.

Moderator: Jeremy Weber, USDA-Economic Research Service

Consumer Preferences for Second-Generation Bioethanol  
Tongzhe Li, Washington State University; Jill McCluskey, Washington State University

On the Dynamics of Price Discovery: Energy and Agricultural Markets with and without the Renewable Fuels Mandate  
Layla Shiva, Texas A&M University; David Besler, Texas A&M University; Bruce McCarl, Texas A&M University

Compliance Costs and RIN Prices under the Renewable Fuel Standard  
Gabriel Lade, University of California, Davis; C.-Y. Cynthia Lin, University of California, Davis; Aaron Smith, University of California, Davis

Pricing RIN and Corn in a Competitive Storage Model  
Wei Zhou, Iowa State University; Bruce Babcock, Iowa State University
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