

Final Program

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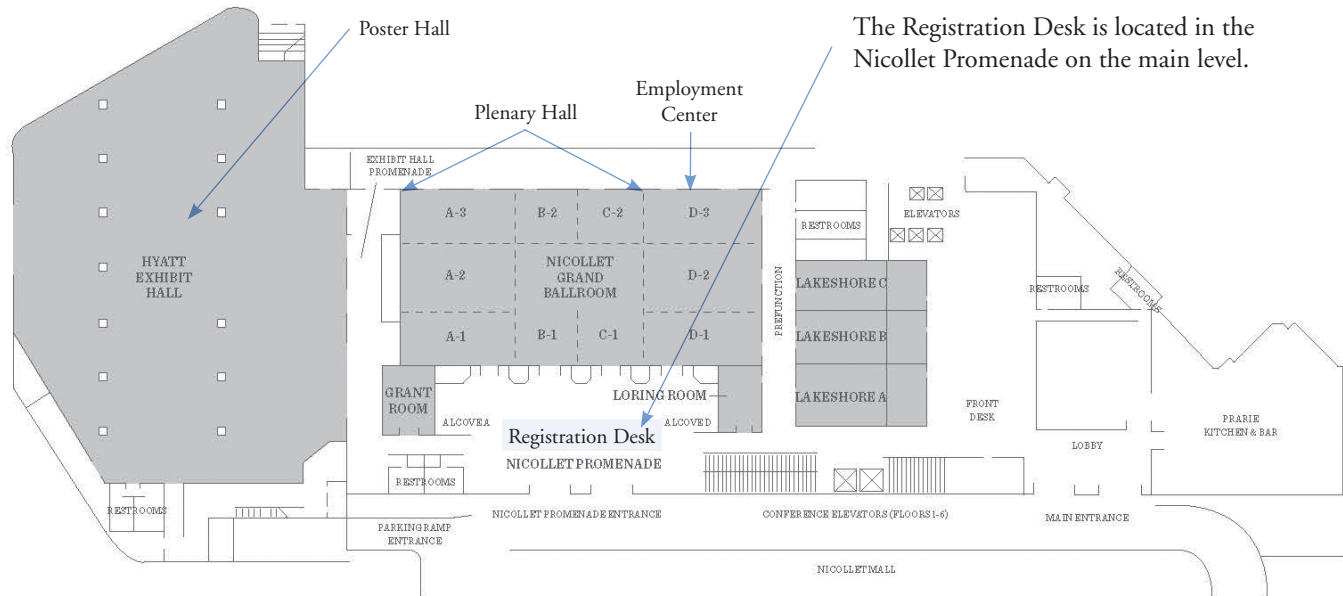
**2014 AAEA
Annual Meeting
Minneapolis MN**

July 27-29, 2014

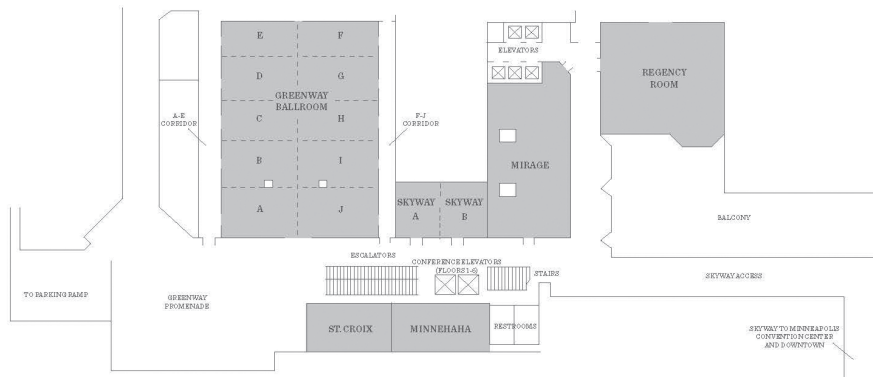
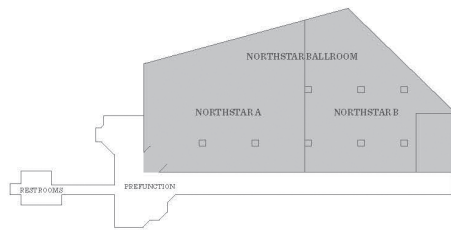


Hyatt Regency Minneapolis Floorplan

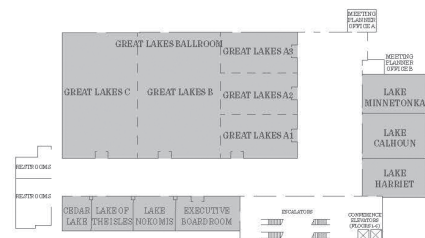
Main Floor



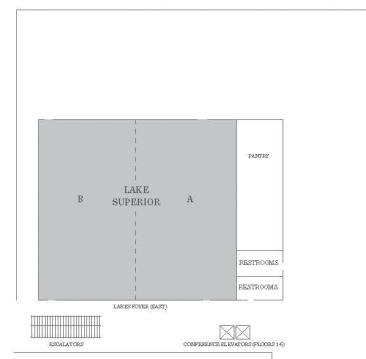
Second Floor



Fourth Floor



Fifth Floor



Cover Photo: Claes Oldenburg and Coosje van Bruggen, *Spoonbridge and Cherry* 1985–1988 aluminum, stainless steel, paint. Collection Walker Art Center Gift of Frederick R. Weisman in honor of his parents, William and Mary Weisman, 1988. Photo courtesy of Meet Minneapolis.



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



Table of Contents

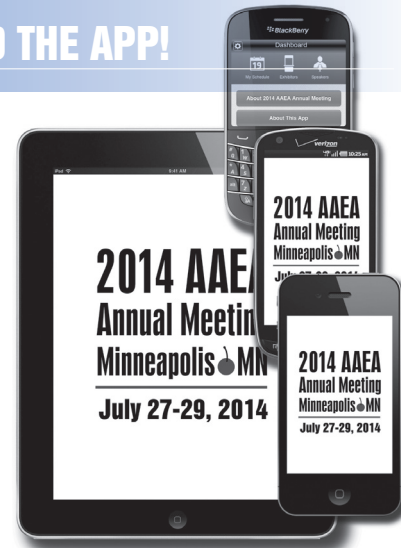
| | |
|--|--------------|
| Hyatt Regency Minneapolis Floorplan | Inside Cover |
| Welcome to Minneapolis! | 1 |
| AAEA Leadership | 3 |
| Thank You to the Selected Presentations Committee..... | 4 |
| Meeting Information..... | 5 |
| Sponsors..... | 5 |
| Exhibitors..... | 6 |
| Undergraduate Recruitment Fair | 7 |
| Plenary Sessions | 8 |
| Speaker Series Events..... | 10 |
| Meeting Timeline..... | 11 |
| Reunions & Receptions..... | 17 |
| Professional Development Activities and Sessions..... | 18 |
| Posters..... | 19 |
| Types of Concurrent Sessions | 33 |
| Concurrent Sessions | 34 |
| Topical Index | 111 |
| Participant and Author Index | 118 |

Mobilize Your 2014 Annual Meeting Experience – DOWNLOAD THE APP!

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.
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- **All this and much more!**

Wi-Fi Network: **PSAV_Event_Solutions**
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American Journal of Agricultural Economics (AJAE)

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Madhu Khanna, University of Illinois at Urbana-Champaign
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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 Liason

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

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Elizabeth Yeager, Purdue University

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Hope Michelson, Columbia University

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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

Tim Graciano, Ernst and Young

Todd Kuethe, 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.

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

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.



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

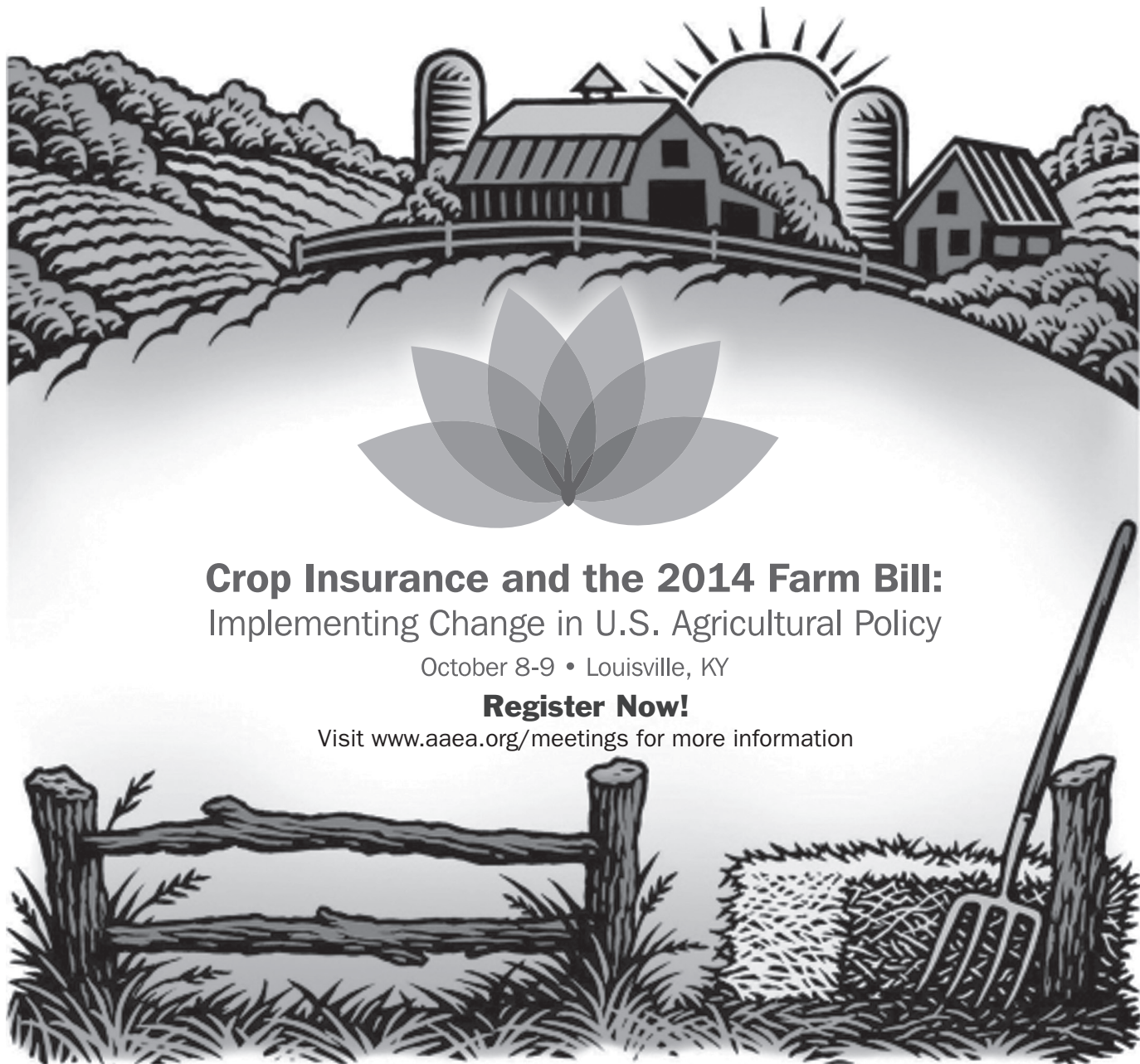
Monday, July 28, 8:00 am – 4:00 pm

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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Plenary Sessions

Keynote Address

Sunday, 6:00 pm–7:00 pm

Nicollet Ballroom ABC, Main Level



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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

**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.*

Monday, 11:30 am - 1:00 pm

Millennium 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

Millennium 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.



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

10:00 am–11:30 am

CWAE Section Business Meeting
Greenway J, Second Level

10:30 am–11:30 am

Early Career Development Committee Meeting
Greenway F, Second Level

10:30 am–11:30 am

ESIRC Committee Meeting
Greenway G, Second Level

11:00 am–12:00 pm

Outreach Committee Meeting
Greenway I, Second Level

11:30 am–12:00 pm

Employment Services Committee Meeting
Nicollet Ballroom D, Main Level

12:00 pm–1:00 pm

AAEA Trust Committee Meeting
Greenway C, Main Level

1:00 pm–4:00 pm

NAAEA Section Business Meeting
Greenway J, Second Level

1:00 pm–2:00 pm

AFM Section Business Meeting
Greenway D, Second Level

1:15 pm–2:15 pm

Membership Committee Meeting
Greenway E, Second Level

1:30 pm–2:30 pm

AJAE Editorial Board Meeting
Greenway A, Second Level

2:00 pm–3:00 pm

Land, Water, and Environmental Section Business Meeting
Greenway D, Second Level

2:00 pm–3:00 pm

Econometrics Section Business Meeting
Greenway F, Second Level

2:00 pm–3:30 pm

Latin American Section Business Meeting
Greenway G, Second Level

2:00 pm–4:00 pm

COSBAE Section Business Meeting
Greenway H, Second Level



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–4:00pm

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–4:00pm

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

11:30 am – 1:00 pm

Poster Presentations (Odd Poster Numbers)
Hyatt Exhibit Hall, Main Level

11:30 am–1:00 pm

COSBAE/CWAE Speaker Series & Luncheon
Millennium Hotel, North Grand, Lobby Level

11:30 am – 1:00 pm

Extension Section Speaker Series & Luncheon
Millennium Hotel, North Grand, Lobby Level

1:00 pm–2:30 pm

Concurrent Sessions

1:30 pm–4:00 pm

GSS Case Study Finals
Lake Calhoun and Lake Nokomis, Fourth Level

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

6:00 pm–6:30 pm

SS-AAEA Academic Bowl Finals
Nicollet Ballroom ABC, Main Level

6:30 pm–7:45 pm

AAEA Awards & Fellows Recognition Ceremony
Nicollet Ballroom ABC, Main Level

7:30 pm–8:00 pm

International Section Reception
Pre-function space outside Northstar A, Second Level

8:00 pm–9:30 pm

International Speaker Series and Banquet
Northstar A, Second Level

8:00 pm–9:00 pm

Student Section Business Meeting
Lakeshore B, Main Level

9:00 pm–11:00 pm

Reunions and Receptions
Hyatt Regency, Second Level
(See page 17)

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–12:45 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

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

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.

Agribusiness Economics and Management Section (AEM)

- 1 Shuanghui International's Strategic Acquisition of Smithfield Foods
Mary Marchant, Virginia Polytechnic Institute and State University; Chaoping Xie, Virginia Polytechnic Institute and State University; Hongjun Tao, Fuzhou University
- 2 Economic Feasibility Study of an Onsite Biorefinery in West Texas From Using Cotton Gin Waste
Abbes Tangaoui, Texas Tech University

China Section

- 3 The Economic Competitiveness and Carbon Dioxide Emission of Electric Vehicle in China
Xin Zhao, Purdue University; Otto Doering, Purdue University

Committee on Women in Agricultural Economics Section (CWAE)

- 4 Illiteracy, Risk Aversion and Child Health Knowledge in Rural Guatemala
Brooke Krause, University of Minnesota
- 5 Gender Differences in Agricultural Economics
Cheryl Wachenheim, North Dakota State University
- 6 2005 EPA Impact on Ethanol Import Demand
Ekaterina Vorotnikova, University of Florida; Serhat Asci, University of Florida

Extension Section

- 7 Developing Local Food Systems in the South: Peeling Back the Layers
Harold Goodwin Jr., University of Arkansas; Ron Rainey, University of Arkansas; Sandra Martini, University of Arkansas

Food and Agricultural Marketing Policy Section (FAMPS)

- 8 Demographic and Economic Factors Affecting Demand for Brand-Level Milk in Texas
Senarath Dharmasena, Texas A&M University; Oral Capps, Jr., Texas A&M University
- 9 Tradeoffs –Biofuel versus Food Production: Empirical Measures of the Impact on Indirect Land Use and Food Prices
Zabid Iqbal, Iowa State University, Bruce Babcock, Iowa State University
- 10 Geographic Patterns in the Choice of Crop Insurance
Sulagna Sarkar, Iowa State University
- 11 An Investigation of the Public Attitudes towards Genetically Modified Organism in the United States through Comments on Web-based Social Media
Xiang Li, University of Kentucky; Michael Reed, University of Kentucky; Christopher Arends, University of Kentucky

Food and Safety Nutrition Section (FSN)

- 12 Do Supermarkets Promote Fresh Vegetable and Fruit Consumption in Urban Ghana? An Application of Non-parametric Analysis
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
- 13 Measuring Willingness-to-Pay for Calorie and Sweetener Labeling when Controlling for Taste
Karen Lewis, Arizona State University; Carola Grebitus, Arizona State University; Rodolfo Nayga, University of Arkansas

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 Lorab, Independent Researcher

Teaching, Learning, and Communication Section (TLC)

- 21** Measuring Peer Effects of Team Based Learning
Georgianne 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 Eplin, Oklahoma State University
- 32 Spatial and Cluster Analysis for Multifunctional Agriculture in New England Region
Kathleen Liang, University of Vermont; Julia Marasteanu, 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
- 41 Can Generous Expensing and Deprecation Provisions in the Tax Code Explain Structural Change of the US Farm? An Analysis of the Use and Impact of Capital Cost Recovery Over Time
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 Palma, 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; Benaisa 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** Public 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 Tejada, 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 Hellwinkcel**, 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 Moss**, Oklahoma State University
- 71 It's Better Than Nothing: 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 Jawad 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 Gao, 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
Maria-Alexandra Peralta-Sanchez, Michigan State University; **Robert Shupp**, Michigan State University
- 78 Consumers' Valuation for Reduced Salt Labeling: A Non-hypothetical Choice Experiment
Sang Hyeon Lee, Texas A&M University; **Doo Bong Han**, Korea University; **Rodolfo Nayga**, University of Arkansas; **Vincenzina Caputo**, Korea University
- 79 Assessment of Farmers' Willingness-to-Pay for Quality Seed Potato Using Dynamic Experimental Auctions: The Case of Smallholder Potato Growers in Tanzania
Julius Okello, International Potato Center; **Carl Lagerkvist**, Swedish University of Agricultural Sciences; **Rogers Kakubenzire**, International Potato Center; **Elmar Schulte-Geldermann**, International Potato Center
- 80 Is Investing in Communication Worth it? An Experimental Study of Communication in a Relational Contract Setting
Sharon Skorbiansky, Purdue University; **Steven Wu**, Purdue University
- 81 Possibility of Losing Own Money Promotes Learning to Overcome Bounded Rationality
Yu Zhang, Texas A&M University; **Rodolfo Nayga**, University of Arkansas; **Dinah Depositario**, University of Philippines
- 82 Networks and Learning About Agricultural Technologies
Emilia Tjernström, University of California, Davis

Posters

Food and Agricultural Marketing

- 83** Consumers' Preferences for the Food Preparation Time and Identification of the Factors Influencing Time-saving Food Consumption Pattern
Elizabeth Kim, Korea University; Byeong-il Ahn, Korea University
- 84** Respondent Screening and SARP: Testing Quarantining Methods for Better Data Quality in Web Panel Surveys
Michael Jones, University of Florida; Lisa House, University of Florida; Zhifeng Gao, University of Florida
- 85** Can We Reduce Attribute Non-attendance, Satisficing Behavior, and WTP Bias in Online Samples? Evidence from a US Blueberry Experiment
Michael Jones, University of Florida; Zhifeng Gao, University of Florida; Lisa House, University of Florida
- 86** Heterogeneous Consumer Preferences for Nanotechnology and Genetic-Modification Technology in Food Products
Chengyan Yue, University of Minnesota; Shuoli Zhao, University of Minnesota; Jonathan Brown, University of Minnesota; Jennifer Kuzma, North Carolina State University
- 87** Media Coverage Effect of Grapefruit-Medication Interactions on Consumers' Grapefruit Consumption
Hyeyoung Kim, University of Florida; Lisa House, University of Florida; Matthew Salois, Florida Department of Citrus
- 88** The Effects of Media Coverage of the Nestle Cookie Dough Recall on the Demand for Close Substitutes
Abhishek Bharad, Louisiana State University; R. Wes Harrison, Louisiana State University; Christopher Davis, USDA-Economic Research Service
- 89** Timing in Commodity Marketing: How Do Producers Decide the "Right" Moment to Price Their Crop?
Fabio Mattos, University of Nebraska-Lincoln; Stefanie Fryza, Canadian Wheat Board
- 90** The Effect of US International Food Assistance on US Prices for Lentils and Peas
Joseph Janzen, Montana State University; Sarah Janzen, University of California, Davis
- 91** What Drives Wine Expenditure in the United States? A Four-State Wine Market Segmentation and Consumer Behaviors Study
Xueting Deng, University of Kentucky; Timothy Woods, University of Kentucky
- 92** Factors Influencing Entry and Exit Rate of US Farms
Yiyang Yin, North Carolina State University; Tomislav Vukina, North Carolina State University

Food and Agricultural Policy Analysis

- 93** Hispanic Immigrants' Opinions Towards Immigration and Immigration Policy Reform
Grace Melo, University of Georgia; Gregory Colson, University of Georgia; Octavio Ramirez, University of Georgia
- 94** The Impact of the Recent Federal Reserve Large-Scale Asset Purchases on the Agricultural Commodity Prices: A Historical Decomposition
Michael Reed, University of Kentucky; Sayed Saghaian, University of Kentucky
- 95** Factors Affecting Adoption of Improved Rice Varieties and Its Impact on Farm Income: Evidence from Central Nepal
Raju Ghimire, National Pingtung University of Science and Technology; Wen-Chi Huang, National Pingtung University of Science and Technology
- 96** The Impact of a Potential Countervail on the Olive Oil Market in the United States
Daniel Sumner, University of California, Davis; Bo Xiong, University of California, Davis
- 97** How Does a Warm Spell Influence Public Attitudes about Agricultural Climate Change Adaptation Policies? An Evidence of Natural Experiment from Michigan
Scott Loveridge, Michigan State University; Gi-Eu Lee, Michigan State University; Julie Winkler, Michigan State University
- 98** Perceived Barriers to Purchasing Healthy Foods vs. Access in Underserved Areas Across the Northeast
Alessandro Bonanno, Wageningen University; Lauren Chenarides, The Pennsylvania State University
- 99** Linking Livestock Health Inputs to Household Nutrition Intake
Miaoru Liu, Washington State University; Thomas Marsh, Washington State University
- 100** Impact of WIC program on Food Purchases
Helen Jensen, Iowa State University; Miyoung Oh, Iowa State University



Posters

- 101** An Analysis of Pricing in the United States Dairy Industry
Yuliya Bolotova, Clemson University; Andrew Novakovic, Cornell University
- 102** Adverse Gaming Incentives in Future Farm Safety Net Programs: Evidence from the Milk Income Loss Contract
John Newton, The Ohio State University; Cameron Thraen, The Ohio State University; Mark Stephenson, Cornell University
- 103** Can the Agricultural Market Information System (AMIS) Help to Reduce Food Price Volatility?
Jan Brockhaus, Center for Development Research; Matthias Kalkuhl, Center for Development Research
- 104** Designing Financial Incentives to Maximize Participation of Target Populations in Weight Loss Programs
Yuan Yuan, Virginia Polytechnic Institute and State University; Wen You, Virginia Polytechnic Institute and State University; Kevin Boyle, Virginia Polytechnic Institute and State University; Barbara Kanninen, BK Econometrics, LLP
- 105** Revisiting the Green Revolution: Implications for Global Food Security
Uris Lantz Baldos, Purdue University; Thomas Hertel, Purdue University
- 106** Externalities Associated with Imported Spinach Seeds
Christine Carroll, University of California, Davis; Colin Carter, University of California, Davis; Krishna Subbarao, University of California, Davis
- 107** Has GMO Crop Technology Backfired?: Exploring Whether Increasing Glyphosate Application Rates among US Corn Growers Has Been Driven by the Spread of Glyphosate-resistant Weeds
Dallas Wood, North Carolina State University
- 108** Rice Farmer's Preferences towards Marketing Policy Alternatives in Thailand
Uchook Duangbootsee, Michigan State University
- 109** Analysis of Various Household Expenditures at Urban Households in the Republic of Uganda: A Multivariate Tobit Approach
Padmanand Madhavan Nambiar, University of Georgia; Wojciech Florkowski, University of Georgia; Manjeet Chinnan, University of Georgia; Anna Resurreccion, University of Georgia
- 110** Managing North American Sugar Supplies with Biofuel Production
David Ripplinger, North Dakota State University

Food Safety and Nutrition

- 111** Family Eating Behaviors, Race and Weight in the United States
Jane Kolodinsky, University of Vermont
- 112** Food Stamps and Food Expenditures: A Meta-analysis
Timothy Beatty, University of Minnesota; Joel Cuffey, University of Minnesota
- 113** Comparing the Relationship between Food Store Access and Dietary Health Across Different Measures of Food Access
Lisa Mancino, USDA-Economic Research Service; Michele Ver Ploeg, USDA-Economic Research Service; Ryan Williams, Texas Tech University
- 114** The Food Safety Performance of Chicken Suppliers to the National School Lunch Program
Michael Ollinger, USDA-Economic Research Service; Casiano Benicio, Keller Graduate School of Management; James Wilkus, USDA-Food Safety and Inspection Service
- 115** Is It Worth the Time? Analyzing the Interaction of Money Price, Time Price, and Nutrition Quality
Yanliang Yang, Virginia Polytechnic Institute and State University; George Davis, Virginia Polytechnic Institute and State University; Mary Muth, RTI International
- 116** Does Agricultural Trade (Liberalisation) Cause Child Malnutrition?
Sébastien Mary, European Commission - Joint Research Centre - IPTS; Sergio Gomez Y Paloma, European Commission - Joint Research Centre - IPTS
- 117** Consumer Attitudes Toward the Use of Gene Technology in Functional Breakfast Grain Products: Comparison between College Students from the US and China
Nanying Wang, University of Georgia; Jack Houston, Jr., University of Georgia
- 118** Private and Government Food Safety Audits: Theory and Evidence from Dairy Sector in Kyrgyzstan
Alexander Saak, International Food Policy Research Institute

Posters

- 119** The Influence of Unit Pricing on Snack Food Choices
Sean Cash, Tufts University; Anna McAlister, Michigan State University; Chen Lou, Michigan State University
- 120** Actions Towards Food Safety: Label-choosing or Self-protection
Yuan Chen, University of California, Davis; Shiwen Quan, Renmin University of China; Yinchu Zeng, Renmin University of China
- 121** Dietary Acculturation: A Case Study of International Students
Bhagyashree Katare, University of Minnesota
- 122** Factors Influencing Adolescent BMI in Urban China
Carl Anfinson, North Dakota State University; Thomas Wahl, North Dakota State University; James Seale, Jr., University of Florida; Junfei Bai, Chinese Academy of Sciences

Household and Labor Economics

- 123** Fertility and Female Labor Force Participation: Evidence from One Child Policy in China
Hui Wang, Michigan State University
- 124** An Econometric Approach to Forecast Farm Labor for Perennial Labor Intensive Agricultural Crops
Xiaojiao Jiang, Washington State University; Rosa Gallardo, Washington State University; Michael Brady, Washington State University
- 125** Gender Bias in Top Executives: A Diagnosis from Stock Market
Wen Chen, Washington State University
- 126** Off-farm Labor Supply Effects of Farm Mechanization
Md Mansur Ahmed, North Carolina State University; Barry Goodwin, North Carolina State University
- 127** Determinants of Tree Planting on Farms in Sub-Saharan Africa and Haiti: Livelihood Diversification, Land Tenure and Environment
Emilie Perge, Columbia University; Clare Sullivan, Columbia University
- 128** Strengthening Producer Organizations in Uganda: The Impact on Farm Labour and Non-labour Inputs
Markus Olapade, International Initiative for Impact Evaluation; Markus Froelich, University of Mannheim; Ruth Hill, International Food Policy Research Institute; Eduardo Maruyama, International Food Policy Research Institute
- 129** Career Incentives in Arm's Length Contracts: Evidence from Chilean Wine-Grape Markets
Pilar Jano, University of Wisconsin; Brent Hueth, University of Wisconsin
- 130** Impact of Immigration Enforcement on Farm Household Labor Allocation
Elton Mykerezi, University of Minnesota; Gentian Kostandini, University of Georgia

Industrial Org./Supply Chain Management

- 131** Effects of Alternative Marketing Arrangements on Spot Market Price Distribution in the U.S. Hog Market
Jong-jin Kim, Korea Rural Economic Institute; Xiaoyong Zheng, North Carolina State University
- 132** Successive Market Power and Contracts of Finished Products
Tian Xia, Kansas State University; Xianghong Li, Kansas State University
- 133** Does Passion for Wine Matter? The Effects of Owner Motivation in Non-traditional Wine Regions
Jie Li, Cornell University; Miguel Gomez, Cornell University
- 134** Incentives for Non-Price Competition in the California WIC Program
Patrick McLaughlin, University of California, Davis
- 135** Does Contract Enforceability Deter the Participation of Small-Scale Producers in Kenya's French Bean Export Market?
Stephanie Rosch, Purdue University; David Ortega, Michigan State University
- 136** Competitive Interactions between Grain Railroad Rates and Barge Rates on the Mississippi Waterway
Juan Murguia, North Dakota State University; David Hennessy, Iowa State University

Institutional Economics

- 137** Measuring the Potential for Self-governance: An Approach for the Management of the Common-pool Resources
Sergio Colin-Castillo, Centro de Estudios Socio Economicos (CISE); Richard Woodward, Texas A&M University



Posters

International Development

- 138** Effects of Peers on Agricultural Productivity in Rural Northern India
Tisorn Songsermsawas, University of Illinois at Urbana-Champaign; Katherine Baylis, University of Illinois at Urbana-Champaign; Ashwini Chhatre, University of Illinois at Urbana-Champaign
- 139** Causes and Consequences of Macroeconomic Challenges Facing Low-Income Countries as a Complex Economic System
Senarath Dharmasena, Texas A&M University; David Bessler, Texas A&M University
- 140** Do the Manufacturing Industries in Taiwan Transfer Their Polluting Production via Foreign Direct Investment?
Tsung Yu Yang, North Carolina State University
- 141** Re-imagining Cost Recovery in Pakistan's Irrigation System
Patrick Ward, International Food Policy Research Institute; Andrew Bell, International Food Policy Research Institute; M. Azeem Shah, International Water Management Institute
- 142** The Economic Impact of Global Food Price Increase on Africa Least Developed Countries: An Application of the Common Agricultural Policy Regionalized Impact (CAPRI) Model
Jean-Baptiste Wendkouni Zongo, National Taiwan University; Huey-Lin Lee, National Chengchi University; Ching-Cheng Chang, Academia Sinica; Shih-Hsun Hsu, National Taiwan University
- 143** Mother's Education and Child Health Outcomes in Burkina Faso: Is There a Strong Causal Relationship?
Eugenie Maiga, African Center for Economic Transformation
- 144** Adoption of Nutritionally Enhanced Sweetpotato Varieties: The Role of Household Food Insecurity and Knowledge of Nutritional Benefits
Julius Okello, International Potato Center; Kirimi Sindi, International Potato Center; Kelvin Shikuku, International Potato Center; Jan Low, International Potato Center; Margaret McEwan, International Potato Center
- 145** The Role of Gender and Farmer Attitudes in the Adoption of Bio-fortified Food Crops: The Case of Orange-fleshed Sweetpotato Growers in Tanzania
Kelvin Shikuku, International Potato Center; Julius Okello, International Potato Center; Kirimi Sindi, International Potato Center; Jan Low, International Potato Center; Margaret McEwan, International Potato Center
- 146** How the Rural-urban Linkages Determine the Nonfarm Activities and Incomes of Rural Household, Evidences from Five Provinces in China
Chaoran Hu, Michigan State University; Thomas Reardon, Michigan State University; Songqing Jin, Michigan State University; Kevin Chen, IFPRI-Beijing
- 147** A Culture of Savings: Exploring Historical Legacies in Contemporaneous Savings and Investment Behavior in Eastern Europe
Sarah Walker, University of Wisconsin
- 148** Do Remittances Alter Household Nutrition? Evidence from Rural Kilimanjaro in Tanzania
Rosemary Isoto, The Ohio State University; David Kraybill, The Ohio State University
- 149** Social Learning in Technology Adoption: Spatial Econometric Analyses of Rice Farmers in Tanzania
Yuko Nakano, University of Tsukuba; Takuji Tsusaka, International Crops Research Institute for the Semi-Arid Tropics; Valerien Pede, International Rice Research Institute
- 150** The Impact of Agricultural Productivity on Urbanization: A Varying Coefficient Regression Analysis
Xiaofei Li, Purdue University; Raymond Florax, Purdue University; Brigitte Waldorf, Purdue University
- 151** Specialization or Risk Reduction: The Effect of Agricultural Diversity on Poverty Persistence in Ethiopia
Jeffrey Michler, Purdue University; Anna Josephson, Purdue University
- 152** Farmer Preferences for Attributes of Conservation Agriculture in Uganda
Kate Vaiknoras, Virginia Polytechnic Institute and State University; George Norton, Virginia Polytechnic Institute and State University; Jeffrey Alwang, Virginia Polytechnic Institute and State University; Daniel Taylor, Virginia Polytechnic Institute and State University; Barry Weixler-Landis, Virginia Polytechnic Institute and State University; Gertrude Nakakeeto, Virginia Polytechnic Institute and State University
- 153** Effect of Credit Constraints on Children's School Performance in Vietnam
Yoon Sun Hur, University of Minnesota

Posters

- 154** Determinants of Smallholder Agricultural Investment: An Application to Rural China
Ethan Young, University of Wisconsin; Guanming Shi, University of Wisconsin; Brian Gould, University of Wisconsin; Xiangyi Meng, Central University of Finance and Economics
- 155** Adjustment of Import Demand for Corn in Mexico: Implications for US Ethanol Mandate
Dong Hee Suh, University of Florida
- 156** Destination Choice of People in Rural China Doing Nonfarm Work, A Nested LOGIT Model
Chaoran Hu, Michigan State University
- 157** Intangible Knowledge Capital and Innovation in China
William McGuire, University of Washington, Tacoma; Belton Fleisher, The Ohio State University; Adam Smith, Mi Zhou, Agricultural Bank of China
- 158** Effect of Women's Empowerment on Children Well-being in Northern Ghana
Yacob Zereyesus, Kansas State University; Kara Ross, Kansas State University; Aleksan Shanoyan, Kansas State University; Vincent Amanor-Boadu, Kansas State University
- 159** An Empirical Analysis of Household 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
- 160** The Dynamic Implication of Agricultural Research and Development Investment for Economic Development
Michael Reed, University of Kentucky; Didier Alia, University of Kentucky
- 161** Push and Pull Factors Associated with Migration in Nepal: An Economic Perspective
Madhav Regni, Louisiana State University; Krishna Paudel, Louisiana State University; Deborah Williams, Louisiana State University

International Trade

- 162** Do Trade Agreements Increase Food Trade?
Irfan Mujabid, Center for Development Research
- 163** Asymmetric Price Transmission and Volatility Spillovers
Feng Qiu, University of Alberta
- 164** EU Banana Trade Preference Erosion and Economic Growth: A Case of the Windward Island
Frank Nti, Kansas State University
- 165** How Sustainable Energy Trend Gives Producers Benefits: A Case of Southeast Asian Palm Oil
Koichi Yamaura, Tokyo University of Agriculture and Technology; Jason Fewell, University of Tennessee; Pedro Garay, Kansas State University
- 166** Towards a Global Carbon Dioxide Market: Shadow Pricing CO₂ Across Countries
Flavius Badau, Oregon State University
- 167** Trade Impacts of Foot-and-Mouth Disease Outbreaks
Umesh Bastola, Washington State University; Thomas Marsh, Washington State University

Natural Resource Economics

- 168** Public Health Effects of Natural Resource Degradation: Evidence from Deforestation in Indonesia
Teevrat Garg, Cornell University
- 169** Wetlands as Storm Buffers: Case Studies from Louisiana
James Boutwell, Louisiana State University; John Westra, Louisiana State University
- 170** Effects of Weather Shocks on Agricultural Commodity Prices in Central Asia
Alisher Mirzabaev, Center for Development Research
- 171** Motivations to Grow Energy Crops: The Role of Crop and Contract Attributes
Madhu Khanna, University of Illinois at Urbana-Champaign; Jordan Louviere, University of South Australia; Xi Yang, University of Illinois at Urbana-Champaign



Posters

- 172** Economic Analysis of the Role of Forest Biomass in Bioenergy Production in Southern US
Weiwei Wang, *University of Illinois at Urbana-Champaign*; **Madhu Khanna**, *University of Illinois at Urbana-Champaign*; **Puneet Dwivedi**, *University of Georgia*; **Robert Abt**, *North Carolina State University*
- 173** Willingness-to-Pay for Sensor Controlled Irrigation
Erik Lichtenberg, *University of Maryland*; **John Majsztrik**, *University of Maryland*; **Monica Saavoss**, *University of Maryland*
- 174** Optimal Harvest Time for Seriola Rivoliana (Kona Blue) with Soy Mariculture Diet
Subir Bairagi, *University of Nebraska*; **Richard Perrin**, *University of Nebraska*; **Lilyan Fulginiti**, *University of Nebraska*
- 175** Climate Change Impacts, Adaptation and Agricultural Production in Pacific Northwest: Distributional Effects and Uncertainties
John Antle, *Oregon State University*; **Jianhong Mu**, *Oregon State University*; **Hongliang Zhang**, *Oregon State University*
- 176** An Assessment of Variable Importance When Predicting Greenhouse Gas Emissions, Beef Output and Land Use of German Dairy Farms
Monika Zehetmeier, *Technische Universität München*; **Donal O'Brien**, *Teagasc*; **Helmut Hoffmann**, *Technische Universität München*
- 177** A DEA-PCA Sustainability Metric for Processing Vegetable Crops
Nicola Wille, *University of Wisconsin*; **Paul Mitchell**, *University of Wisconsin*; **Fengxia Dong**, *University of Wisconsin*; **Virginia Moore**, *University of Wisconsin*; **Deana Knuteson**, *University of Wisconsin*; **Jefferey Wyman**, *University of Wisconsin*
- 178** Effects of Increased Environmental Regulation of Livestock Operations on Manure Applications at Crop Farms
Stacy Sneeringer, *USDA-Economic Research Service*; **Nigel Key**, *USDA-Economic Research Service*
- 179** Agricultural Productivity and Soil Carbon Dynamics: A Bio-economic Model
Julia Berazneva, *Cornell University*; **Jon Conrad**, *Cornell University*; **David Guerená**, *Cornell University*
- 180** Vulnerability of Public Rangelands to Climate Change in the Southwest United States
Michael Hand, *US Forest Service*; **Travis Warziniack**, *US Forest Service*; **Henry Eichman**, *US Forest Service*
- 181** Factors that Affect Water Quality at the Watershed Level: Evidence from Florida
Julyun Oh, *University of Florida*; **Zhengfei Guan**, *University of Florida*; **Gurpal Toor**, *University of Florida*
- 182** Economic Feasibility Study of an Onsite Biorefinery in West Texas from Using Cotton Gin Waste
Abbes Tangaoui, Jr., *Texas Tech University*
- 183** Adoption and Intensification of In-field Conservation Practices Under Risk
Elizabeth Canales, *Kansas State University*; **Jason Bergtold**, *Kansas State University*; **Jeffery Williams**, *Kansas State University*; **Jeffrey Peterson**, *Kansas State University*
- 184** Threshold Effects on Climate Change Policy
Morteza Chalak, *University of Western Australia*; **David Pannell**, *University of Western Australia*

Production Economics

- 185** On the Modeling of Precipitation and Surface Water as Agricultural Inputs for the Analysis of Drought Impacts on Agricultural Income
Marcelo Torres, *University of Brasilia*; **Richard Howitt**, *University of California, Davis*; **Lineu Rodrigues**, *EMBRAPA*
- 186** Strategic Interactions Among Private and Public Efforts when Preventing and Stamping Out an Highly Infectious Animal Disease
Tong Wang, *Texas AgriLife Research*; **David Hennessy**, *Iowa State University*
- 187** Perennial Supply – Substitution in Bearing Acreage Decisions
Peter Tozer, *Washington State University*; **Thomas Marsh**, *Washington State University*; **Xiaojiao Jiang**, *Washington State University*
- 188** Selection of Breeding Stock by US Meat Goat Producers: A Conjoint Approach
Narayan Nyaupane, *Louisiana State University*; **Jeffrey Gillespie**, *Louisiana State University*; **Kenneth McMillin**, *Louisiana State University*; **Robert Harrison**, *Louisiana State University*
- 189** Substitution Elasticities Between Polluting and Nonpolluting Inputs in Agricultural Production: A Meta-Regression
Boying Liu, *Washington State University*; **C. Richard Shumway**, *Washington State University*

Posters

- 190** Social Ecological Food Systems: Lessons from Maine Organic Dairy's Economic Networks
Julia McGuire, University of Maine; Xuan Chen, University of Maine
- 191** VSH Queens: Factors Influencing Their Adoption
Julie Leiby, Louisiana State University; John Westra, Louisiana State University
- 192** Evaluation of Long-term Economic Consequences of Continuous and Multi-paddock Grazing in Southern Tallgrass Prairie
Tong Wang, Texas AgriLife Research; Seong Park, Texas AgriLife Research; Richard Teague, Texas AgriLife Research; Stan Bevers, Texas AgriLife Extension Service
- 193** Dynamic Agricultural Supply Response: A Generalized Method of Moments Approach
Kassu Wamisho, University of Nebraska
- 194** Switchgrass Lignin Regulation and Ethanol Production Cost
Amadou Gouzaye, Oklahoma State University; Francis Epplin, Oklahoma State University; Malay Saha, The Samuel Roberts Noble Foundation; Desalegn Serba, The Samuel Roberts Noble Foundation
- 195** Analysis of the Effect of Amount of Irrigated Water Applied on Agricultural Productivity
Federico Trindade, University of Nebraska
- 196** Accounting for Unobserved Heterogeneity in Micro-econometric Agricultural Production Models: A Random Parameter Approach
Alain Carpentier, Institut National de la Recherche Agronomique; Fabienne Femenia, Institut National de la Recherche Agronomique
- 197** An Economic Analysis of Fumigation Alternatives, the Methyl Bromide Ban, and Its Implication: Evidence from the Florida Tomato Industry
Xiang Cao, University of Florida; Zhengfei Guan, University of Florida; Gary Vallad, University of Florida
- 198** On Modelling Dynamic Acreage Choices with Crop Rotation Effects
Alain Carpentier, Institut National de la Recherche Agronomique

Productivity Analysis and Emerging Technologies

- 199** Purging Heterogeneity from Technical Inefficiency Estimation in a Stochastic Frontier Model
Kassu Wamisho, University of Nebraska
- 200** Impacts of Technological Assumptions on Agricultural Yield Forecasts Under Climate Change
Leslie Verteramo Chiu, Cornell University; Joshua Woodard, Cornell University
- 201** Measuring Technical Efficiency in a Small-Scale Fishery: A Stochastic Frontier Analysis to an Inland Fishery in the North Side of Mexico
Sergio Colin-Castillo, Centro de Estudios Socio Economicos

Research Methods/Econometrics/Stats

- 202** Can Explicit Price Reminder Reduce the Hypothetical Bias in Online Choice Experiment?
Kar Ho Lim, Korea University; Wuyang Hu, University of Kentucky
- 203** Body Mass Index of Adolescent and Adult Survivors of Pediatric Acute Lymphoblastic Leukemia
Gina Nam, Huntsman Cancer Institute; Sapna Kaul, University of Utah; Anne Kirchhoff, University of Utah; Yelena Wu, Huntsman Cancer Institute; Richard Nelson, University of Utah
- 204** Strategic Underreporting in Surveys
Christopher Taylor, USDA-National Agricultural Statistics Service
- 205** Multiple Imputation of Farm Debt in ARMS
Mitchell Morehart, USDA-Economic Research Service; Meng Xue, USDA-Economic Research Service; Jennifer Ifft, USDA-Economic Research Service
- 206** Peer Effects in Agricultural Extension: Evidence of Endogenous Social Interaction in the Performance of Community Knowledge Workers (CKWs) in Uganda
Festus Amadu, University of Illinois at Urbana-Champaign; Paul McNamara, University of Illinois at Urbana-Champaign; Kathy Baylis, Illinois State University



Posters

- 207** Women, Family, and Training. Is it too Late for Learning?
Maria Bampasidou, University of Florida
- 208** Assessing Local Vulnerability to Climate Change in Agriculture for Latin America and the Caribbean: A Panel Data Approach
Santiago Guerrero, Banco de Mexico; Miriam Juarez-Torres, Banco de Mexico; Adán Martínez-Cruz, FAO of the United Nations
- 209** Assessing Local Vulnerability to Climate Change in Agriculture: An Expert Elicitation Approach
Santiago Guerrero, Banco de Mexico; Miriam Juarez-Torres, Banco de Mexico; Adán Martínez-Cruz, FAO of the United Nations
- 210** Corn Production, Cultivated Area and Price Responses to Climate Change in Mexico
Santiago Guerrero, Banco de Mexico; Miriam Juarez-Torres, Banco de Mexico

Resource and Environmental Policy Analysis

- 211** Putting a Price on Trash: Does Charging for Food Waste Reduce Total Waste? The Case of Korea
Nahyeon Bak, University of Minnesota; Jay Coggins, University of Minnesota
- 212** Crop Choice, Rotational Effects and Water Quality Consequence in Up-Mississippi River Basin: Connecting SWAT Model with Dynamic Land Use Model
Yongjie Ji, Iowa State University; Catherine Kling, Iowa State University; Sergey Rabotyagov, University of Washington
- 213** The Potential Costs of Invasive Pests: Conehead Termites in Florida
Sergio Alvarez, Florida Department of Agriculture and Consumer Services
- 214** Additionality in Conservation Easements Programs: Grassland Easements in the Prairie Pothole Region
Jeffrey Savage, USDA-Economic Research Service; Roger Claassen, USDA-Economic Research Service; Vincent Breneman, USDA-Economic Research Service; Chuck Loesch, Fish and Wildlife Service; Ryan Williams, Texas Tech University
- 215** Cost-Effectiveness of Reverse Auctions for Watershed Nutrient Reductions in the Presence of Climate Variability
Adriana Valcu, Iowa State University; Sergey Rabotyagov, University of Washington; Catherine Kling, Iowa State University; Philip Gassman, Centre for Agriculture and Rural Development, Iowa State University
- 216** Evaluating the Physical Quality of an Energy Crop During Storage from a Preprocessing Technology in Feedstock Supply System
Tun-Hsiang Yu, University of Tennessee; Krystal Castillo-Villar, University of Texas, San Antonio; James Larson, University of Tennessee; Burton English, University of Tennessee; Christopher Boyer, University of Tennessee
- 217** Measuring Avoided Emissions from Protected Areas in South America: A Quasi-Experimental Approach
Joseph Maher, University of Maryland; Xiaopeng Song, University of Maryland
- 218** Conversion of Shipping Fleets from Diesel to Compressed Natural Gas: A Real Options Analysis
Hui Xian, University of Georgia; Berna Karali, University of Georgia; Gregory Colson, University of Georgia; Michael Wetzstein, University of Georgia
- 219** State-Dependent Land-Use Responses
Feng Qiu, University of Alberta; Larry Laliberte, University of Alberta
- 220** Achieving Low Emissions Growth for Rice Cultivation in Vietnam: A Role for Behavioral Constraints
Tulika Narayan, Abt Associates Inc.; Anna Belova, Abt Associates Inc.
- 221** An Economic Evaluation of Early Adoption of Trunk Disease Preventative Practices in Winegrape Vineyards
Kendra Baumgartner, USDA-Agricultural Research Service; Renaud Travadon, 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; Graciela Andrango, Kansas State University; Aleksan Shanoyan, 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

- 225** Measuring the Accuracy of Engineering Models in Predicting Energy Savings from Home Retrofits: Evidence from Monthly Billing Data
Joseph Maher, University of Maryland

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
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 Ifft, USDA-Economic Research Service; Liang Lu, University of California, Berkeley; David Zilberman, 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 Westhoff, 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

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.



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

1001 Cost Effective and Ecologically Effective Land Protection for Nature Conservation

Regency, Second Level

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

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

Organizer: Seong-Hoon Cho, University of Tennessee

Moderator: Seong-Hoon Cho, University of Tennessee

Discussant: Robert Haight, US Forest Service

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

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

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

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

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

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

Lakeshore C, Main Level

International and Senior Section Track Session

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

Organizer: George Norton, Virginia Polytechnic Institute and State University

Discussant: George Norton, Virginia Polytechnic Institute and State University

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

Jeffrey Alwang, Virginia Polytechnic Institute and State University

Global Food Security: Nutritional Status and Prospects for the Future

William Masters, Tufts University

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

Paul Heisey, USDA-Economic Research Service

The Critical Role of Institutions: What have We Learned?

Michael Carter, University of California, Davis

1004 Consumer Labeling Issues

Lakeshore A, Main Level

FAMPS and FSN Section Track Session

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

Organizer: Jane Kolodinsky, University of Vermont

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

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

GMO Labeling Legislative Update: The Colorado Experience

Dustin Pendell, Colorado State University

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

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

Fourth Presentation

TBD

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

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

Greenway A, Second Level

IBES Section Track Session

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

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

Organizer: Andrew Hanks, Cornell University

Moderator: David Just, Cornell University

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

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

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

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

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

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

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

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

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

Mirage, Second Level

Extension Section Track Session

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

Organizer: Steven Klose, Texas A&M University

Farm Policy Outlook: Perspective from the House Majority

Bart Fischer, US House of Representatives

Farm Policy Outlook: Perspective from the Senate Minority

Keith Coble, Mississippi State University

Farm Policy Outlook: Perspective from the Senate Majority

Joe Shultz, Senate Committee on Agriculture, Nutrition & Forestry



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

1007 Teaching Tips from AAEA Award Winners

Greenway C, Second Level

GSS and TLC Section Track Session

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

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

Organizer: Aaron Johnson, University of Idaho

Presenters: TBD

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

Greenway B, Second Level

AEM Section Track Session

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

Organizer: Joshua Detre, Louisiana State University

Moderator: Robert Brent Ross, Michigan State University

Big Data and How We Can Use It in Agribusiness Research

Allan Gray, Purdue University

Utilizing Compustat and CRSP Data in Agribusiness Research

Ani Katchova, University of Kentucky

Data Sources for Food Industry Analysis

Robert Harrison, Louisiana State University

What Are the Questions We Need to Be Answering?

Michael Gunderson, Purdue University

1009 Agricultural Impacts on US National and Regional Accounts

Northstar B, Second Level

Organized Symposium

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

Moderator: Sarahelen Thompson, Bureau of Economic Analysis

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

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

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

Greenway J, Second Level

Organized Symposium

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

Organizer: Kathleen Liang, University of Vermont

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

1011 Grain Markets and Price Discovery

Greenway D, Second Level

Selected Paper Presentation

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

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

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

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

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

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

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

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

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

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 Vercaemmen, 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*; **Fatima Zaidi**, *International Food Policy Research Institute*; **Patricia Zambrano**, *International Food Policy Research Institute*; **Shahzad Kouser**, *University of Agriculture, Faisalabad, Pakistan*

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

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

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

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

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

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



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

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

Lake Superior A, Fifth Level

Selected Paper Presentation

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

Moderator: William Burke, Stanford University

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

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

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

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

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

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

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

Rajib Sutradhar, *Jawaharlal Nehru University*

1019 Broad Topics in International Trade

Lake Superior B, Fifth Level

Selected Paper Presentation

Moderator: Tim Graciano, Ernst & Young

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

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

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

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

Tsung Yu Yang, *North Carolina State University*

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

Flavius Badau, *Oregon State University*

1020 Shale Gas and Wildfire

Lake Harriet, Fourth Level

Selected Paper Presentation

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

Moderator: Michael Hand, US Forest Service

Spatial Interactions in Wildfire Risk Management Decisions

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

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

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

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

Farzad 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 Bebe**, *Michigan State University*; **Charles Hall**, *Texas A&M University*; **Jennifer Dennis**, *Purdue University*



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

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

Invited Paper

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

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

Moderator: Virgil Eldon Ball, USDA-Economic Research Service

Discussant: C. Richard Shumway, Washington State University

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

Jikun Huang, *Chinese Academy of Sciences*

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

Elizabeth Marshall, *USDA-Economic Research Service*

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

COSBAE and CWAE Section Track Session

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

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

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

Discussant: Duncan Chembezi, Alabama A&M University

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

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

1025 Role of Credit in Economic Performance of Rural Areas

Lakeshore C, Main Level

AFM and CRENET Section Track Session

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

Organizer: James Fannin, Louisiana State University

Moderator: James Fannin, Louisiana State University

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

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

Farm Credit: Reliable Credit for Rural America?

Jeremy D'Antoni, USDA-Economic Research Service

Notions of Efficiency with Rural Credit Unions

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

1026 Food Quality and Trade

Lake Superior B, Fifth Level

FAMPS and International Section Track Session

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

Organizer: Ian Sheldon, The Ohio State University

Moderator: Jill McCluskey, Washington State University

Geographical Indications and International Trade in Agri-food Products

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

Firms, Trade and Food Quality Upgrading

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

Certification, Food Quality Standards and Trade

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



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

1027 Feeding the Poor in America

Lakeshore A, Main Level

FSN and Senior Section Track Session

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

Organizer: Jane Kolodinsky, University of Vermont

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

Discussant: Jean Kinsey, University of Minnesota

The Current State of the Food Security Safety Net

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

NGO Sector Innovations

Rob Zeaske, *Second Harvest*

Private Sector Innovations

Sarah Geisert, *General Mills, Inc.*

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

Jane Kolodinsky, *University of Vermont*

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

Greenway A, Second Level

IBES Section Track Session

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

Organizer: Jessica Cao, University of Guelph

Moderator: Travis Lybbert, University of California, Davis

Discussant: Christopher Barrett, Cornell University

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

Jing Cai, *University of Michigan*

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

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

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

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

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

1029 Applications of Hierarchical Regression Models in Development Economics

Lake Superior A, Fifth Level

Econometrics and International Section Track Session

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

Organizer: Gerald Shively, Purdue University

Hierarchical Models: Some History, A Primer and An Application

Garth Holloway, *University of Reading*

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

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

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

Gerald Shively, *Purdue University*

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

Greenway B, Second Level

ENV Section Track Session

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

Organizer: John Antle, Oregon State University

Moderator: John Antle, Oregon State University

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

Global RAPs -- Framing Agricultural Futures at Different Scales

Hermann Lotze-Campen, *PIK*; **Martin Von Lampe**, *OECD*; **Hans Van Meijl**, *LEI-Wageningen University*; **Keith Weibe**, *International Food Policy Research Institute*; **Dominique Van Der Mensbrugge**, *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. Wulfhurst**, *University of Idaho*



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

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

Mirage, Second Level

Extension Section Track Session

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

Organizer: Theodore Feitshans, North Carolina State University

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

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

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

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

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

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

Northstar A, Second Level

Organized Symposium

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

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

Moderator: Robert Craven, University of Minnesota

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

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

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

1033 New Data Opportunities and Data Challenges for Agricultural Economics Research

Northstar B, Second Level

Organized Symposium

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

Moderator: James Michael Harris, USDA-Economic Research Service

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

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

1034 Information and Behavior

Greenway C, Second Level

AERE Section Organized Symposium

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

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

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

Shock or Salience? A Natural Experiment in Billing Frequency

Casey Wichman, *University of Maryland*

Forecasts and Adaptation

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

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

Laura Grant, *University of Wisconsin*

1035 Empirical Methods in Agricultural Finance

Greenway D, Second Level

Selected Paper Presentation

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

Moderator: James Williamson, USDA-Economic Research Service

A Relative Information Approach to Modeling Dynamics of US Farmland Values

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

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

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

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

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

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

Opeyemi Ayinde, *University of Ilorin*

1036 Using Demand Analyses to Inform Public Health Policy

LaSalle, Second Level

Selected Paper Presentation

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

Moderator: Janani Rajbhandari Thapa, Texas Tech University

US Demand For Tobacco Products in a System Framework

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

Store-Differentiated Demand and Retail Food Availability

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

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

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

Information Cost and Consumer Choices of Healthy Foods

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 Argentinean Wheat Market

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

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

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

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

1040 Topics in Water Resources and Water Use

Greenway I, Second Level

Selected Paper Presentation

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

Moderator: Nikos Zirotiannis, Indiana University Bloomington

The Economics of Water Project Capacities and Conservation Technologies

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

Adapting to Monsoon Variability in India: The Case for Irrigation

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

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

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

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

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

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

Greenway J, Second Level

Selected Paper Presentation

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

Moderator: Channing Arndt, University of Copenhagen

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

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

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

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

Rural Mexican Labor Market Responses to Weather Shocks

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

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

Aziza Kibonge, *University of Nebraska*

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

Greenway E, Second Level

Selected Paper Presentation

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

Moderator: Jeffrey Luckstead, University of Arkansas

The Nexus of Trade and Environmental Policy for Biofuels

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

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

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

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

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



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

1043 Fisheries Management and Modeling

Lake Harriet, Fourth Level

Selected Paper Presentation

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

Moderator: Jad Ziolkowska, University of Texas at Austin

Measurement Error in the Generalized Schaefer Production Model

Christopher Burns, *University of Massachusetts Amherst*

Optimal Management of a Multi-Species Fishery with Bycatch

Richard Melstrom, Jr., *Salisbury University*

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

Hirotsugu Uchida, *University of Rhode Island*

A Natural Experiment Identifying Disease Regulation Effects on Recreational Fishing

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

1044 Agricultural Production Efficiency

Minnehaha, Second Level

Selected Paper Presentation

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

Moderator: Alicia Rosburg, University of Northern Iowa

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

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

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

Do-il Yoo, *Chungbuk National University*

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

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

A Meta-regression Analysis of Frontier Efficiency Estimates from Africa

Kolawole Ogundari, *Kyushu University Fukuoka Japan*

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

1045 Methodological Developments and Challenges in Choice Experiments

Regency, Second Level

Invited Paper

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

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

Moderator: Rodolfo Nayga, University of Arkansas

Discussant: Riccardo Scarpa, University of Waikato

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

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

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

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

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

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

1046 Agricultural and Applied Economics Priorities for Government Statistics

Lakeshore B, Main Level

Econometrics and Senior Section Track Session

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

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

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

Agribusiness and Market Research Priorities for Federal Data and Information

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

Economic Development Priorities for Federal Statistical Data

Stephan Goetz, *The Pennsylvania State University*

Environmental Economics Priorities for Federal Statistical Data

Timothy Haab, *The Ohio State University*

Strategies for Identifying AAEA Priorities

Jayson Lusk, *Oklahoma State University*



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

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

Lakeshore C, Main Level

COSBAE and CWAE Section Track Session

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

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

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

Discussant: Dawn Thilmany McFadden, Colorado State University

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

1048 Crop Insurance and Implementation of the Farm Bill

Mirage, Second Level

Extension Section Track Session

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

Organizer: Laurence Crane, National Crop Insurance Services

Moderator: Keith Collins, National Crop Insurance Services

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

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

1049 The Development of the US Brewing Industry

Greenway A, Second Level

AEM and FAMPS Section Track Session

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

Organizer: Joshua Berning, University of Georgia

Moderator: Bradley Rickard, Cornell University

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

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

Retail Beer Prices Across Channels and Locations: A Hedonic Analysis

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

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

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

Product Line Extension and Market Power in the Beer Industry

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

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

Greenway B, Second Level

IBES and TLC Section Track Session

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

Organizer: Hillary Sackett, Westfield State University

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

Hillary Sackett, *Westfield State University*

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

Matthew Rousu, *Susquehanna University*

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

Forrest Stegelin, *University of Georgia*

Do Students Learn from Classroom Economic Experiments?

Subbu Kumarappan, *The Ohio State University*



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

1051 Climate Change Adaptation and Resilience

Greenway C, Second Level

ENV Section Track Session

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

Organizer: Ben Gramig, Purdue University

Moderator: Scott Swinton, Michigan State University

Coupled Coastal Economic Modeling for Climate Adaptation and the Nourishment Dilemma

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

Adaptation to Climate Change: Evidence from US Agriculture

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

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

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

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

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

1052 Frontier Topics in International Agricultural Development

Greenway D, Second Level

International Section Track Session

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

Organizer: Marc Bellemare, University of Minnesota

Moderator: Paul Glewwe, University of Minnesota

Discussant: Paul Glewwe, University of Minnesota

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

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

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

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

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

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

Adaptation to Climate Change: Experimental Evidence from the Ethiopian Rift

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

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

1053 The National Household Food Acquisition and Purchase Survey: Early Findings and Future Research Directions

Northstar A, Second Level

Organized Symposium

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

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

Moderator: Chen Zhen, Research Triangle Institute

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

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

1054 What is the Value of Agricultural Economics Research - New Data and Analysis

Northstar B, Second Level

Organized Symposium

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

Moderator: Kaye Husbands Fealing, University of Minnesota

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

1055 Prices, Marketing, and Risk in Agricultural Finance

Greenway E, Second Level

Selected Paper Presentation

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

Moderator: Jon Biermacher, The Samuel Roberts Noble Foundation

Relative Performance of Semi-Parametric Nonlinear Models in Forecasting Basis

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

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

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

Is Storage Rational When the Price is Expected to Decline? An Empirical Study Using Data from US Futures and Options Markets

Carl Zulauf, *The Ohio State University*; **Sanghyo Kim**, *The Ohio State University*

Cooperatives and the Risk Aversion of Farmers

Jafar Olimov, *The Ohio State University*



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

1056 Scanner Data in Demand Studies: Issues and Solutions

Greenway F, Second Level

Selected Paper Presentation

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

Moderator: Alba Collart, Texas A&M University

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

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

Explaining the Shift from Preserved to Fresh Vegetable Consumption

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

Estimating Demand for Differentiated Eggs Using Scanner Data

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

Beer Snobs Do Exist: Estimation of Beer Demand by Type

Daniel Toro-Gonzalez, *Universidad Tecnológica de Bolívar*; **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

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

How Biofuels Policies Boosted Grain Staple Prices: A Counterfactual Analysis

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

1060 Effects of Federal Nutritional Programs on Food Choices

Greenway J, Second Level

Selected Paper Presentation

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

Moderator: Norbert Wilson, Auburn University

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

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

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

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

Ambiguity Aversion and Preferences for Food Origin Post Fukushima Nuclear Disaster

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

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

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

1061 New Production Technologies: Household Responses and Preferences in the Developing World

Lake Superior A, Fifth Level

Selected Paper Presentation

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

Moderator: Conner Mullally, University of Florida

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

Jose Yorobe, Jr., University of the Philippines - Los Banos; **Valerien 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 Mohapatra, University of Alberta; **Leo Simon**, University of California, Berkeley



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

1062 Land Allocation and Risk Management Issues in Africa

Lake Superior B, Fifth Level

Selected Paper Presentation

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

Moderator: Anita Regmi, CGIAR

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

Xudong Rao, *University of Minnesota*

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

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

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

James Allen, IV, *University of Kentucky*

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

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

1063 Price and Labor Dynamics in International Trade

Lakeshore A, Main Level

Selected Paper Presentation

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

Moderator: Mark Gibson, Washington State University

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

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

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

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

1064 Water Use and Externalities

Minnehaha, Second Level

Selected Paper Presentation

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

Moderator: David Lambert, Kansas State University

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

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 Boaitay, *University of Alberta*

Identifying Risk Preferences with Semiparametric Estimation of Risk

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

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

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



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

1067 Agriculture, Food, and Natural Resources Case Studies

Regency, Second Level

Invited Case Studies

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

Moderator: David Widmar, Purdue University

Dairy United

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

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

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

Wilson Seeds, Inc. A Period of Transition

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

1068 Crop Insurance: Opportunities and Challenges Facing the Industry

Lakeshore B, Main Level

ARA Section Track Session

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

Organizer: Scott Fausti, South Dakota State University

Discussant: Dmitry Vedenov, Texas A&M University

Crop Insurance: Domestic Opportunities and Challenges Facing the Industry

Thomas Zacharias, *National Crop Insurance Services*

Crop Insurance: International Opportunities and Challenges Facing the Industry

Oscar Vergara, *Air Worldwide*

Crop Insurance: Opportunities and Challenges Facing Policy Administrators

Dwight Lanclos, *USDA-Risk Management Agency*

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

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

Lake Superior B, Fifth Level

COSBAE and International Section Track Session

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

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

Moderator: Titus Awokuse, University of Delaware

Whom Should Farm Input Subsidy Programs Target? Evidence from Malawi

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

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

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

Economic Analysis of Modern Maize Varieties in Malawi

Jeffrey Reimer, *Oregon State University*; **Monica Fisher**, *International Maize and Wheat Improvement Center*; **Woinisnet 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 Kumarappan**, *The Ohio State University*



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

1071 Livestock Outlook

Mirage, Second Level

Extension Section Track Session

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

Organizer: Jeremy Ross Pruitt, Louisiana State University

Discussant: David Anderson, Texas A&M University

Cattle and Beef

Kenneth Burdine, *University of Kentucky*

Hogs and Pork

Lee Schulz, *Iowa State University*

Dairy

Scott Brown, *University of Missouri*

Poultry

Jeremy Ross Pruitt, *Louisiana State University*

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

Greenway A, Second Level

FSN and IBES Section Track Session

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

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

Moderator: Jane Kolodinsky, University of Vermont

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

1073 Developments in China's Agriculture

Lake Superior A, Fifth Level

IAAE and International Section Organized Symposium

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

Organizer: William Martin, The World Bank

Urbanization and Food Security in China

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

Wage Growth, Landholding, Machine Investment and Services in China

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

Who Will Feed China in the 21st Century

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

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

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

Greenway C, Second Level

Organized Symposium

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

Organizer: Bryan Lohmar, US Grains Council

Moderator: Michael Boddington, Asian Agribusiness Consulting

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

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

Bryan Lohmar, *US Grains Council*

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

Dan Wang, *Chinese Academy of Sciences*

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

Xiangping Jia, *Chinese Academy of Sciences*

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

Huang Weiming, *Stanford University*

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

Northstar A, Second Level

Organized Symposium

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

Organizer: Leah Mathews, University of North Carolina, Asheville

Moderator: Leah Mathews, University of North Carolina, Asheville

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



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

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

Northstar B, Second Level

Organized Symposium

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

Organizer: Paul Gottlieb, Rutgers University

Moderator: Paul Gottlieb, Rutgers University

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

Paul Gottlieb, Rutgers University

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

Jeffrey Kline, USDA-Forest Service

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

Brian Schilling, Rutgers University

Deconstructing the Real Purpose of Agricultural Zoning

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

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

Greenway D, Second Level

AARES Organized Symposium

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

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

Moderator: Alan Randall, University of Sydney

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

Innovation in the Global Bioeconomy

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

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

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

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

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

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

1078 Farm Finance

Greenway E, Second Level

Selected Paper Presentation

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

Moderator: Forrest 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; **Evan Pressier**, University of Rhode Island; **Klaus Moeltner**, Virginia Polytechnic Institute and State University; **Andrew Liebhold**, USDA-Forest Service; **David Orwig**, Harvard Forest

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

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

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

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



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

1081 Causes and Effects of Farm Programs

Greenway H, Second Level

Selected Paper Presentation

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

Moderator: Matthew Pham, The Ohio State University

Why Do Members of Congress Support Agricultural Protection?

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

Revisiting Decoupled Agricultural Policies in CGE Frameworks: Theory and Empirics

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

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

Daniel Voica, *University of Maryland*

1082 Food Marketing

Greenway I, Second Level

Selected Paper Presentation

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

Moderator: Siny Joseph, Kansas State University

Dynamics of the Food Environment in the United States

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

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

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

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

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

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

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

1083 Entrepreneurship and Labor: Issues and Transitions

Greenway J, Second Level

Selected Paper Presentation

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

Moderator: Aycan 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

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

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

Jeffrey Flory, Claremont McKenna College

1085 Climate and Water

Lakeshore A, Main Level

Selected Paper Presentation

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

Moderator: Wendong Zhang, The Ohio State University

Residential Water Demand, Climate Change and Exogenous Economic Trends

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

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

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

Climate Change, Migration, and Water Shortage

Ruohong Cai, Princeton University

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

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



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

1086 Topics in Bioenergy

Minnehaha, Second Level

Selected Paper Presentation

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

Moderator: James MacDonald, USDA-Economic Research Service

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

Cost Effectiveness of Alternative Policies to Induce Investment in Cellulosic Biofuels

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

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

Jerome Dumortier, *Indiana University-Purdue University Indianapolis*

1087 Rural Wealth Creation

Lake Harriet, Fourth Level

Selected Paper Presentation

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

Moderator: Peter Stenberg, USDA-Economic Research Service

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

Alexander Marre, *USDA-Economic Research Service*

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

Peter Stenberg, *USDA-Economic Research Service*

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

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

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

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

1088 Insurance: Empirical Issues and Implementation

Greenway B, Second Level

Selected Paper Presentation

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

Moderator: Feng Qiu, University of Alberta

The Importance of Crop Insurance Subsidies: Examining Enterprise Units

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

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

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

Estimating the Effect of Index Based Livestock Insurance on Subjective Wellbeing

Christopher Barrett, *Cornell University*; **Kibrom Hirfifot**, *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 Zhylyersky**, *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 Brorsen**, 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?

Jinzhi 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; **Jaeseok 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 Kuethe, 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 Newman, 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

Robit 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*

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-Bobea, 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 Gottshall, Louisiana State University; Krishna Paudel, Louisiana State University

Peer Effects and Farmer Heterogeneity in Tillage Choices

Avishbek 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 Andersson**, *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*; **Parabakaran 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 Tamirat**, *Wageningen University*; **Paul Ingenbleek**, *Wageningen University*; **Joost Pennings**, *Maastricht University*

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

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 Coble, 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 Thornsbury**, *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 Ahern**, *Interamerican Institute of Cooperation for Agriculture*

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

2034 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

Panelists: Shenggen Fan, International Food Policy Research Institute; Hafez Ghanem, Brookings Institution; Mumukshu Patel, Econet Wireless and AGRA; Juergen Voegelé, The World Bank; Jonathan Wadsworth, CGIAR Fund

Towards a More Effective Global Architecture for Food and Agriculture

Uma Lele, Independent Scholar

2035 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 Mathews, 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.

"Success is not a random act. It arises out of a predictable and powerful set of circumstances and opportunities." ? Malcolm Gladwell, "Outliers: The Story of Success"

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*; **Matias Piaggio**, *Universidad de la República del Uruguay*

Peers' Effect on Obesity among Elementary Students

Jebaraj 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 Schulz, *Iowa State University*; **Kevin Dhuyvetter**, *Kansas State University*; **Beth Doran**, *Iowa State University*

Event Study of Energy Price Volatility: An Application of Distributional Event Response Model

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 Kuhlitz**, Thünen-Institut für Marktanalyse

Convergence in Nutrient Intakes and Nutrition-Income Elasticities in sub-Saharan African: Implications on Health and Welfare

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

Linden 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

Is Maternal Employment Related to Childhood Obesity in China? Evidence from the China Health and Nutrition Survey

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 Yirga**, *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 Smallholder 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 Ziropiannis**, *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*

Does Neighborhood Matter? A Micro-level Spatial Analysis of the Entry and Exit of Organic Farming Program in Southern Sweden

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 Ribaud**, *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 Khanna**, *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*; **Nishihara Yuki-naga**, *University of Tokyo*; **Imai Asako**, *University of Tokyo*; **Kikushima Ryouyuke**, *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*



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

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*; **Zhibao 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

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

2061 International Trade and the Global Land Use and Environmental Consequences of Agricultural Productivity Changes

Greenway B, Second Level

IAAE and International Section Track Session

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 Humpenoeder, 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

2062 The Continuing Evolution of Health Insurance Issues: The Affordable Care Act and Beyond

Greenway C, Second Level

Senior Section Track Session

The continuing evolution of health insurance policy provides a challenge for employers, employees, taxpayers, consumers and policy-makers 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



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

2063 Empirical Studies on Risk in Agricultural and Ecological Systems

Lake Superior B, Fifth Level

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*

2065 New Developments in Understanding the Short and Long Run Welfare Impacts of Higher Global Food Prices

Northstar B, Second Level

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

Bjorn Van Campenhout, *International Food Policy Research Institute*; **Karl Pauw**, *International Food Policy Research Institute*; **Nicholas Minot**, *International Food Policy Research Institute*

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 Hovhannisyan, *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 Safley**, 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

Tulika Narayan, Abt Associates Inc.; **Anna Belova**, Abt Associates Inc.; **Jacqueline Haskell**, Abt Associates Inc.

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*; **Oluyemisi 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 Shively**, *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

Wahida 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 Andersen**, 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

Shabeer 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 University; Zhengfei Guan, University of Florida

Public Policies and Poverty Exit in a Lagging Region of China: Evidence from a Village Panel Survey in Guizhou Province
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



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

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

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

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

2087 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*

2088 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 biophysical 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

Ibrahimia 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

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

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 Tonsor**, *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

Cloe 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 McCriston**, *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.

Moderator: Tulika Narayan, Abt Associates Inc.

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

Liala 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 Thomassin**, *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 Bessler**, *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*



Topical Index

Topical Index Table of Contents

| | | | |
|--|-----|---|-----|
| Ag Finance and Farm Management | 111 | Household and Labor Economics..... | 114 |
| Agribusiness Economics and Management | 111 | Industrial Org./Supply Chain Management | 114 |
| Agribusiness Economics & Management Section (AEM) ... | 112 | Institutional and Behavioral Economics Section (IBES) | 114 |
| Agricultural Finance and Management Section (AFM)..... | 112 | Institutional Economics | 115 |
| Applied Risk Analysis Section (ARA)..... | 112 | International Association of Agricultural Economists (IAAE) | 115 |
| Association of Environmental and Resource Economists (AERE) | 112 | International Development | 115 |
| Australian Agricultural and Resource Economics Society Section (AARES)..... | 112 | International Section | 115 |
| Behavioral Economics | 112 | International Trade..... | 115 |
| China Section..... | 112 | Land, Water and Environmental Economics Section (ENV)..... | 115 |
| Committee on the Opportunities and Status of Blacks in Agricultural Economics Section (COSBAE) | 112 | Latin American Section (LAS)..... | 115 |
| Committee on Women in Agricultural Economics Section (CWAE) | 112 | National Association of Agricultural Economics Administrators (NAAEA) | 116 |
| Community and Regional Economics Network Section (CRENET)..... | 113 | Natural Resource Economics..... | 116 |
| Demand and Price Analysis..... | 113 | Production Economics | 116 |
| Econometrics Section | 113 | Productivity Analysis and Emerging Technologies | 116 |
| Environmental and Nonmarket Valuation..... | 113 | Research Methods/Econometrics/Stats | 116 |
| Experimental Economics..... | 113 | Resource and Environmental Policy Analysis..... | 116 |
| Extension Section (EXT)..... | 113 | Risk and Uncertainty..... | 116 |
| Food and Agricultural Marketing | 113 | Rural/Community Development..... | 116 |
| Food and Agricultural Marketing Policy Section (FAMPS)..... | 113 | Senior Section | 117 |
| Food and Agricultural Policy Analysis..... | 114 | Teaching, Communication, and Extension..... | 117 |
| Food Safety and Nutrition..... | 114 | Teaching, Learning, & Communications Section (TLC) | 117 |
| Food Safety and Nutrition Section (FSN) | 114 | Undergraduate Student Section (SS-AAEA) | 117 |
| Graduate Student Section (GSS) | 114 | | |

Ag Finance and Farm Management

- 1035** Empirical Methods in Agricultural Finance
- 1055** Prices, Marketing, and Risk in Agricultural Finance
- 1078** Farm Finance
- 2011** Farm Management
- Posters** 34, 35, 36, 37, 38, 39, 40, 41, 42, 43

Agribusiness Economics and Management

- 1011** Grain Markets and Price Discovery
- 2010** Cooperatives and Local Markets
- 2039** International Agribusiness Economics and Management
- 2066** New Product Development and Value Chains
- 2090** The Economics of Honey Bee Health: A Dialogue on Current Work, Critical Extensions, and Policy-Relevant Research
- 2092** Water and Energy
- 2093** Risk Aversion in US Agriculture
- Posters** 26, 27, 28, 29, 30, 31, 32, 33

Topical Index

Agribusiness Economics and Management Section (AEM)

- 1008** Agribusiness Data: Where Do We Get It? What Are The Questions We Should Be Answering? And What Big Data Means for Our
- 1049** The Development of the US Brewing Industry
- 1070** Challenges and Opportunities in Creating a Global Campus through International Programs and Curriculum
- 2005** Human Resources Insights from Leading Agribusiness
- 2029** Overcoming Barriers to Entry: Factors Affecting New Venture Success in the Agri-Food Sector
- 2056** Implementing Capstone Courses for Agribusiness Majors - Prescriptions, Practices and Possibilities
- 2081** Preparing Our Students for Successful Industry Careers Through Active Learning and Extracurricular Opportunities
- Posters** 1, 2

Agricultural Finance and Management Section (AFM)

- 1002** Non-standard Risk Contracting in Agriculture and Fisheries
- 1025** Role of Credit in Economic Performance of Rural Areas
- 2029** Overcoming Barriers to Entry: Factors Affecting New Venture Success in the Agri-Food Sector
- 2063** Empirical Studies on Risk in Agricultural and Ecological Systems

Applied Risk Analysis Section (ARA)

- 1002** Non-standard Risk Contracting in Agriculture and Fisheries
- 1068** Crop Insurance: Opportunities and Challenges Facing the Industry
- 2003** Three Case Studies on Innovative Risk Management Extension Programing
- 2030** Farm Program and Insurance Choices: A Real Time Risk Decision Aid
- 2063** Empirical Studies on Risk in Agricultural and Ecological Systems

Association of Environmental and Resource Economists (AERE)

- 1001** Cost Effective and Ecologically Effective Land Protection for Nature Conservation
- 1034** Information and Behavior
- 2009** Long-run and Short-run Effects of Natural Disasters
- 2092** Water and Energy

Australian Agricultural and Resource Economics Society Section (AARES)

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

Behavioral Economics

- 1045** Methodological Developments and Challenges in Choice Experiments
- 2009** Long-run and Short-run Effects of Natural Disasters
- 2040** Social Influences on Behavior
- 2067** System Influences on Behavior
- 2094** Consumer Psychology
- Posters** 44, 45, 46, 47, 48, 49, 50, 51

China Section

- 2057** Chinese Consumers' Preference and Willingness to Pay
- 2082** Economic Development in China: R&D Investment, Poverty Reduction, Migration and the Environment
- Poster** 3

Committee on the Opportunities and Status of Blacks in Agricultural Economics Section (COSBAE)

- 1024** Effective Approaches to Working with Hard-to-Contact Limited Resource Agricultural Producers
- 1047** A Reflection on the Agricultural/Applied Economics Profession through the Lens of Our Veterans
- 1069** Raising Productivity in African Agriculture: Issues and Implications for Development Strategy
- 2006** Factors Affecting Global Poultry Trade

Committee on Women in Agricultural Economics Section (CWAE)

- 1024** Effective Approaches to Working with Hard-to-Contact Limited Resource Agricultural Producers
- 1047** A Reflection on the Agricultural/Applied Economics Profession through the Lens of Our Veterans
- Posters** 4, 5, 6



Topical Index

Community and Regional Economics Network Section (CRENET)

- 1001** Cost Effective and Ecologically Effective Land Protection for Nature Conservation
- 1025** Role of Credit in Economic Performance of Rural Areas
- 2032** Income Inequality in the United States: Measures, Causes, Effects, and Possible Remedies
- 2060** Leveraging Federal Data Sources: The Case of Local Food Assessments

Demand and Price Analysis

- 1012** Agricultural Commodity Price Transmission and Market Linkage
- 1036** Using Demand Analyses to Inform Public Health Policy
- 1056** Scanner Data in Demand Studies: Issues and Solutions
- 1079** The Interdependence of US Food and Energy Policies
- 2012** Forecasting Methods and Evaluation
- 2041** Determinants of Food and Energy Prices
- 2068** Innovative Models of Consumer Demand
- 2095** Using Micro Data to Understand Supplier and Consumer Behaviors
- Posters** 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64

Econometrics Section

- 1029** Applications of Hierarchical Regression Models in Development Economics
- 1046** Agricultural and Applied Economics Priorities for Government Statistics
- 2058** Econometric Analysis of Crop Yield Distributions and Crop Insurance Programs
- 2084** Spatial Econometrics Methods

Environmental and Nonmarket Valuation

- 1013** Economic Impacts of Climate Change
- 1037** Adaptation to Climate Change
- 1057** Studies in Choice Experiments
- 1077** Innovation in the Agricultural Bioeconomy: Implications for Yield, Market Concentration, and Regulation in the Crop Sector
- 1080** Beyond Hedonic Models
- Posters** 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76

Experimental Economics

- 2042** Design of Economic Experiments and Auctions
- Posters** 77, 78, 79, 80, 81, 82

Extension Section (EXT)

- 1006** Washington Policy Update by Chief Economists from the House and Senate Ag Committees
- 1031** Hydraulic Fracturing of Tight Formations to Produce Oil and Gas Creates New Competition for Resources: Balancing the Interests of
- 1048** Crop Insurance and Implementation of the Farm Bill
- 1071** Livestock Outlook
- 2003** Three Case Studies on Innovative Risk Management Extension Programing
- 2030** Farm Program and Insurance Choices: A Real Time Risk Decision Aid
- 2059** Graduate Student Extension Competition Winners
- 2088** Crop Outlook
- Poster** 7

Food and Agricultural Marketing

- 1014** Methods in Food and Agricultural Marketing
- 1038** Consumer Preferences for Labels and Certifications
- 1058** Implications of Food Policies on Food Markets
- 2013** Food and Agricultural Marketing - Lightning Session
- 2069** International Food Consumers
- 2096** Agricultural Market Dynamics
- Posters** 83, 84, 85, 86, 87, 88, 89, 90, 91, 92

Food and Agricultural Marketing Policy Section (FAMPS)

- 1004** Consumer Labeling Issues
- 1026** Food Quality and Trade
- 1049** The Development of the US Brewing Industry
- 2085** Global Trends in Marketing and Demand of Meat and Dairy Products
- Posters** 8, 9, 10, 11

Topical Index

Food and Agricultural Policy Analysis

- 1009** Agricultural Impacts on US National and Regional Accounts
- 1015** Biotechnology Economics
- 1039** Trade
- 1059** Bioenergy
- 1081** Causes and Effects of Farm Programs
- 1082** Food Marketing
- 2001** Major Factors That Will Impact the Role of Latin America in Meeting Future Food Demand
- 2014** SNAP and Food Security
- 2015** Risk Management
- 2037** Expanding the US Organic Sector—Will Recent USDA Initiatives Help?
- 2043** Input Subsidies and Effects
- 2044** Health and Welfare in African Agriculture
- 2065** New Developments in Understanding the Short and Long Run Welfare Impacts of Higher Global Food Prices
- 2070** Food Security and Policy in Developing Countries
- 2097** Economics of Production and the Environment
- Posters** 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110

Food Safety and Nutrition

- 1016** Dietary Health: Environmental and Individual Effects
- 1053** The National Household Food Acquisition and Purchase Survey: Early Findings and Future Research Directions
- 1060** Effects of Federal Nutritional Programs on Food Choices
- 2016** Food Price, Food Demand, and Food Preference
- 2028** Transforming Food Markets - Implications for Nutrition and Livelihoods in Developing Countries
- 2071** Recent Developments Regarding Food Safety
- 2098** The Influence of Agriculture on Child Nutrition
- Posters** 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122

Food Safety and Nutrition Section (FSN)

- 1004** Consumer Labeling Issues
- 1027** Feeding the Poor in America
- 1072** To Nudge or Not to Nudge: When Does Food Policy Become Paternalism?
- 2002** Childhood Food Insecurity in the United States
- 2033** The Impact of the Food Safety Modernization Act on the US Produce Industry: Domestic Production and Latin American Imports
- 2085** Global Trends in Marketing and Demand of Meat and Dairy Products
- Posters** 12, 13

Graduate Student Section (GSS)

- 1007** Teaching Tips from AAEA Award Winners
- 2031** How to Apply for a Career or Graduate School
- 2059** Graduate Student Extension Competition Winners
- 2086** Tips on Communicating in an Academic Setting

Household and Labor Economics

- 1083** Entrepreneurship and Labor: Issues and Transitions
- 2017** Migration, Labor, and Households
- 2045** The Changes in Maternal Household and Social Roles and Children's Health Outcomes
- 2072** Another Look at Obesity Issues
- Posters** 123, 124, 125, 126, 127, 128, 129, 130

Industrial Org./Supply Chain Management

- 2018** Consumer Behavior, Social Media, Advertising, and Private/National Brand Competition
- 2099** Market Power, Spatial Competition, and Climate Policy
- Posters** 131, 132, 133, 134, 135, 136

Institutional and Behavioral Economics Section (IBES)

- 1005** Behavioral Economics and Food Choice: Understanding the Environmental and Neurological Mechanisms That Influence Behavior
- 1028** Behavioral Finance: Insurance, Loans, and Timing of Home Ownership
- 1050** Classroom Experiments, Games, and Simulations: Examples, Resources, and Assessment
- 1072** To Nudge or Not to Nudge: When Does Food Policy Become Paternalism?



Topical Index

Institutional Economics

Poster 137

International Association of Agricultural Economists (IAAE)

- 1073** Developments in China's Agriculture
- 2061** International Trade and the Global Land Use and Environmental Consequences of Agricultural Productivity Changes

International Development

- 1017** The Role of Social Networks in Rural Livelihoods and Food Security: Evidence from Pakistan, India, and Tanzania.
 - 1018** Observable and Unobservable Factors Affecting Quality and Varietal Adoption in Africa and Asia
 - 1041** Agriculture in a Changing Climate: Evidence from Latin America and Sub-Saharan Africa
 - 1061** New Production Technologies: Household Responses and Preferences in the Developing World
 - 1062** Land Allocation and Risk Management Issues in Africa
 - 1073** Developments in China's Agriculture
 - 1074** China's Increasingly Commercial Village-level Swine Producers: Implications for World Grain, Oilseed, and Pork Markets, as well as Food Safety, and the Environment in China
 - 1084** Evaluating the Impacts of Cash and Food Transfer Programs in Africa
 - 2019** Land Markets and Land Rights in Sub-Saharan Africa
 - 2020** Assessing the Returns to Technology and Aid in Development
 - 2046** Causes and Consequences of Childhood Well-being: Evidence from Colombia and Sub-Saharan Africa
 - 2047** Broad Topics Analyzed from a Gender Perspective
 - 2073** Analysis of Mineral Fertilizer Adoption and Returns in Sub-Saharan Africa
 - 2074** Environmental Issue and Technical Efficiency: Evidence from Africa, Asia and the Pacific
 - 2100** Contracts and Crop Commercialization in the Presence of Market Imperfections: Evidence from Sub-Saharan Africa
 - 2101** Coping Strategies and Resiliency in Africa and Asia
- Posters** 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161

International Section

- 1003** Hunger and Hope: Progress in Reducing Poverty and Fostering Food Security in the Developing World
 - 1026** Food Quality and Trade
 - 1029** Applications of Hierarchical Regression Models in Development Economics
 - 1052** Frontier Topics in International Agricultural Development
 - 1069** Raising Productivity in African Agriculture: Issues and Implications for Development Strategy
 - 1073** Developments in China's Agriculture
 - 2034** Towards a More Effective Global Architecture for Food and Agriculture
 - 2061** International Trade and the Global Land Use and Environmental Consequences of Agricultural Productivity Changes
 - 2089** A New Transdisciplinary Approach to Regional Integrated Assessment of Climate Impact and Adaptation in Africa and South Asia
- Posters** 14, 15, 16, 17, 18

International Trade

- 1019** Broad Topics in International Trade
 - 1042** The Increasing Role of Biofuels and Clean Technology in International Trade
 - 1063** Price and Labor Dynamics in International Trade
 - 2102** Costs of International Trade
- Posters** 162, 163, 164, 165, 166, 167

Land, Water and Environmental Economics Section (ENV)

- 1001** Cost Effective and Ecologically Effective Land Protection for Nature Conservation
- 1030** New Pathway and Scenario Concepts for Assessment of Climate Impacts and Adaptation at Regional and Global Scales
- 1051** Climate Change Adaptation and Resilience
- 2004** Markets and Payments for Ecosystem Services: Promise versus Practice

Latin American Section (LAS)

- 2001** Major Factors That Will Impact the Role of Latin America in Meeting Future Food Demand
 - 2033** The Impact of the Food Safety Modernization Act on the US Produce Industry: Domestic Production and Latin American Imports
- Posters** 19, 20

Topical Index

National Association of Agricultural Economics Administrators (NAAEA)

- 2035** Identifying Standards and Assessing Performance for Undergraduate Programs in Agricultural Business
- 2083** Developing Smarter Metrics: Quantifying Outcomes and Impacts from Interdisciplinary Efforts

Natural Resource Economics

- 1020** Shale Gas and Wildfire
- 1034** Information and Behavior
- 1043** Fisheries Management and Modeling
- 1064** Water Use and Externalities
- 1076** Land use Issues at the Urban Fringe: Is there a Fundamental Disconnect between Rural and Urban Analysts? Practitioners?
- 1085** Climate and Water
- 2021** Disease and Invasive Species
- 2048** Extreme Event Risk: Flood and wildfire
- 2075** Agricultural Land Use Change and Development
- 2103** Conservation, Ecosystem Services, and Land Use
- Posters** 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184

Production Economics

- 1021** Diverse Topics
- 1086** Topics in Bioenergy
- 2023** Climate and Agriculture
- 2049** Methods
- 2076** International
- 2104** Productivity
- Posters** 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198

Productivity Analysis and Emerging Technologies

- 1023** Adapting to Climate Change: Water Resources, Extreme Weather Events, and Agricultural Sustainability
- 1044** Agricultural Production Efficiency
- 1054** What is the Value of Agricultural Economics Research - New Data and Analysis
- 2022** Analyzing Productivity Issues
- Posters** 199, 200, 201

Research Methods/Econometrics/Stats

- 1033** New Data Opportunities and Data Challenges for Agricultural Economics Research
- 2024** Econometric Modeling of Price Dynamics
- 2050** Topics in Applied Empirical Methods
- 2077** Model Specification and Validation
- Posters** 202, 203, 204, 205, 206, 207, 208, 209, 210

Resource and Environmental Policy Analysis

- 1001** Cost Effective and Ecologically Effective Land Protection for Nature Conservation
- 1022** Household Environmental Behavior
- 1040** Topics in Water Resources and Water Use
- 1065** Health and the Environment
- 2025** Wildlife and Fisheries Management: Mechanisms and Tradeoffs
- 2026** Agricultural Practices to Improve Water Quality: Space and Time Considerations
- 2051** Conservation Behavior of Farmers: Policy Design and Institutional Issues
- 2052** Point-nonpoint Source Water Quality Trading
- 2078** Biofuels and Their Effects on Land Use
- 2079** Point Source Pollution and Policy Design
- 2091** Addressing the Local Impacts of Oil and Gas Development: Is State Fiscal Policy Up to the Task?
- 2105** Biofuels Policy Design and Price Effects
- Posters** 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225

Risk and Uncertainty

- 1066** Risk Preferences
- 1088** Insurance: Empirical Issues and Implementation
- 2053** Stochastic and Systematic Risk Analyses
- 2055** What Will It Take to Get Energy Crops Off the Ground: Land Use Subsidies, Price Subsidies, and Crop Insurance?
- Posters** 226, 227, 228, 229, 230, 231, 232, 233

Rural/Community Development

- 1087** Rural Wealth Creation
- 2008** Local Food Systems as a Catalyst for Innovation
- 2027** Natural Disasters
- 2054** Local Food
- 2080** Impact of Development Policies
- Posters** 234, 235, 236, 237



Topical Index

Senior Section

- 1003** Hunger and Hope: Progress in Reducing Poverty and Fostering Food Security in the Developing World
- 1027** Feeding the Poor in America
- 1046** Agricultural and Applied Economics Priorities for Government Statistics
- 2001** Major Factors That Will Impact the Role of Latin America in Meeting Future Food Demand
- 2032** Income Inequality in the United States: Measures, Causes, Effects, and Possible Remedies
- 2062** The Continuing Evolution of Health Insurance Issues: The Affordable Care Act and Beyond
- 2087** The Evolving Structure of US Agriculture: Productive or Disruptive Change for Rural America

Teaching, Communication, and Extension

- 1010** Leadership, Legacy, and Love – Remembering Dr. Sylvia Lane, Her Contribution to AAEA and Impacts on Emerging Scholars
- 1032** TAA for Farmers Program: Linking Extension Education Technologies with Economic Stimulus
- 1075** How to Fund and Where to Publish the Scholarship of Teaching and Learning in Agricultural Economics and Agribusiness
- 2007** Life-Long Learning through Disruptive Innovation in Agriculture and Applied Economics
- 2036** Powerful Circumstances for Successful Career Moves
- Posters** 238, 239, 240

Teaching, Learning, and Communications Section (TLC)

- 1007** Teaching Tips from AAEA Award Winners
- 1050** Classroom Experiments, Games, and Simulations: Examples, Resources, and Assessment
- 1070** Challenges and Opportunities in Creating a Global Campus through International Programs and Curriculum
- 2035** Identifying Standards and Assessing Performance for Undergraduate Programs in Agricultural Business
- 2056** Implementing Capstone Courses for Agribusiness Majors - Prescriptions, Practices and Possibilities
- 2081** Preparing our Students for Successful Industry Careers Through Active Learning and Extracurricular Opportunities
- Posters** 21, 22, 23, 24, 25

Undergraduate Student Section (SS-AAEA)

- 2005** Human Resources Insights from Leading Agribusiness



Participant and Author Index

- Abdulai, Awudu**, University of Kiel: 2073
- Abler, David**, The Pennsylvania State University: 2004
- Aboohamidi, Abbas**, Texas Tech University: 48
- Abt, Robert**, North Carolina State University: 172
- Adamowicz, Wiktor**, University of Alberta: 69
- Adelaide, Fadhuile**, INRA-ALISS: 1065
- Adjognon, Serge**, Michigan State University: 2073
- Agarwal, Sumit**, National University of Singapore: 1028
- Aguero, Jorge**, University of Connecticut: 1065, 2020
- Ahearn, Mary**, USDA-Economic Research Service: 1010, 2087
- Ahern, Robert**, Interamerican Institute of Cooperation for Agriculture: 2033
- Ahmed, Md Mansur**, North Carolina State University: 126
- Ahmed, Selena**, Montana State University: 1013
- Ahn, Byeong-il**, Korea University: 83
- Akram, Agha**, Yale University: 1037
- Alexander, Corinne**, Purdue University: 1047, 2074
- Alfnes, Frode**, Norwegian University of Life Sciences: 1038
- Ali, Jauhar**, International Rice Research Institute: 1061
- Alia, Didier**, University of Kentucky: 64, 160
- Allen, James**, University of Kentucky: 1062, 2080
- Alston, Julian**, University of California, Davis: 2096
- Altman, Ira**, Southern Illinois University: 1086
- Alvarez, Sergio**, Florida Department of Agriculture and Consumer Services: 213
- Alwang, Jeffrey**, Virginia Tech: 152, 1003, 1018, 2046, 2054
- Amadu, Festus**, University of Illinois at Urbana-Champaign: 206
- Amanor-Boadu, Vincent**, Kansas State University: 158, 159, 1069, 2046, 2049, 2098
- An, Henry**, University of Alberta: 1017
- Andersen, Matthew**, University of Wyoming: 2079
- Anderson, Bruce**, Boston University: 1013
- Anderson, Christopher**, University of Washington: 1080
- Anderson, David**, Texas A&M University: 1071
- Anderson, John**, American Farm Bureau Federation: 2003
- Andersson, Camilla**, University of Göttingen: 2028
- Andrango, Graciela**, Kansas State University: 223
- Anfinson, Carl**, North Dakota State University: 122
- Angadjivand, Sahar**, USDA-Economic Research Service: 19
- Antle, John**, Oregon State University: 175, 1030, 2089
- Anttila-Hughes, Jesse**, Columbia University: 2009
- Aradhya, Satheesh**, University of Arizona: 54
- Archer, David**, USDA-Agricultural Research Service: 223
- Arends, Christopher**, University of Kentucky: 11
- Ariyaratne, Chatura**, Kansas State University: 2010
- Armbruster, Walter**, Farm Foundation (retired): 2087
- Armsworth, Paul**, University of Tennessee: 1001
- Arndt, Channing**, University of Copenhagen: 1041, 2043
- Artz, Georgeanne**, Iowa State University: 21, 2027
- Asako, Imai**, University of Tokyo: 2054
- Asci, Serhat**, University of Florida: 6, 2076, 2095
- Ashfaq, Moetasim**, Oak Ridge National Laboratory: 2048
- Ashfaq, Muhammad**, Al-Shamas Seed & Pesticides: 2089
- Asirvatham, Jebaraj**, University of Arkansas, Fayetteville: 2040
- Asnake, Woinishet**, CIMMYT-Ethiopia: 1069
- Atallah, Shady**, Cornell University: 1012, 2021
- Atreya, Ajita**, University of Pennsylvania: 2048
- Awokuse, Titus**, University of Delaware: 1069, 2045, 2072
- Ayinde, Opeyemi**, University of Ilorin: 1035
- Azzam, Azzeddine**, University of Nebraska: 1036, 1042
- Babcock, Bruce**, Iowa State University: 9, 2050, 2105
- Badau, Flavius**, Oregon State University: 166
- Baerenklau, Kenneth**, University of California, Riverside: 1057, 2092
- Bagley, Bruce**, University of Miami: 2001
- Baharanyi, Ntam**, Tuskegee University: 1024
- Bai, Junfei**, Chinese Academy of Sciences: 122, 1073
- Bairagi, Subir**, University of Nebraska-Lincoln: 174
- Bak, Nahyeon**, University of Minnesota: 211
- Bakucs, Zoltan**, Hungarian Academy of Sciences: 59
- Balagtas, Joseph**, Purdue University: 2018, 2099
- Baldos, Uris Lantz**, Purdue University: 105, 2061
- Ball, Virgil Eldon**, USDA-Economic Research Service: 1023
- Bampasidou, Maria**, University of Florida: 207
- Barrett, Christopher**, Cornell University: 1028, 1052, 1062, 1088
- Baselice, Antonio**, University of Foggia: 2069
- Bastola, Umesh**, Washington State University: 167
- Baumgartner, Kendra**, USDA-Agricultural Research Service: 221



Participant and Author Index

- Baylis, Katherine**, University of Illinois at Urbana-Champaign: 138, 206, 2014, 2084, 2090
- Beach, Robert**, RTI International: 2070, 2078
- Beatty, Timothy**, University of Minnesota: 112, 1053
- Beckhusen, Julia**, US Census Bureau: 1083
- Beckman, Jayson**, USDA-Economic Research Service: 1042
- Beddow, Jason**, University of Minnesota: 2022
- Behe, Bridget**, Michigan State University: 1022
- Belasco, Eric**, Montana State University: 2067
- Bell, Andrew**, International Food Policy Research Institute: 141
- Bellemare, Marc**, University of Minnesota: 1052, 1081, 2100
- Belova, Anna**, Abt Associates Inc.: 220, 2071
- Benicio, Casiano**, Keller Graduate School of Management: 114
- Berazneva, Julia**, Cornell University: 179
- Bergtold, Jason**, Kansas State University: 183, 223, 1086
- Berhane, Guush**, International Food Policy Research Institute: 1069
- Berning, Joshua**, University of Georgia: 1049
- Berry, Kevin**, University of Wyoming: 2021
- Berstein, Rich**, Cornell University: 1062
- Bessler, David**, Texas A&M University: 139, 1063, 1082, 2001, 2105
- Beyers, Stan**, Texas AgriLife Extension Service: 192
- Bharad, Abhishek**, Louisiana State University: 88
- Bhargava, Anil**, University of Michigan: 2020, 2047
- Bhattarai, Madhusudan**, ICRISAT: 2023
- Bi, Xiang**, University of Florida: 2013, 2052
- Biermacher, Jon**, The Samuel Roberts Noble Foundation: 1055
- Biewald, Anne**, Potsdam Institute for Climate Research: 2061
- Bimbo, Francesco**, Wageningen University: 2013
- Binfield, Julian**, University of Missouri: 1042, 1082
- Binkley, James**, Purdue University: 2018
- Birur, Dileep**, RTI International: 2070
- Blachford, Sierra**, South Dakota State University: 2013
- Blare, Trent**, University of Florida: 2047
- Boaitey, Albert**, University of Alberta: 1066
- Bobenrieth, Eugenio**, Pontificia Universidad Católica De Chile: 1059
- Boddington, Michael**, Asian Agribusiness Consulting: 1074
- Boehlje, Michael**, Purdue University: 2007
- Boehm, Rebecca**, Tufts University: 1013
- Boessen, Christian**, University of Missouri: 21
- Bohman, Mary**, USDA-Economic Research Service: 2083
- Boland, Michael**, University of Minnesota: 27, 2005
- Bolarinwa, Olufemi**, University of Florida: 1035
- Bolotova, Yuliya**, Clemson University: 101
- Bonanno, Alessandro**, Wageningen University: 98, 1049, 2013
- Bond, Jennifer**, Colorado State University: 2090
- Boonsaeng, Tullaya**, Texas Tech University: 1056, 2014
- Borisova, Tatiana**, University of Florida: 2095
- Bosch, Darrell**, Virginia Tech: 2004
- Boulanger, Pierre**, European Commission - Joint Research Centre - IPTS: 1081
- Boutwell, James**, Louisiana State University: 169
- Bowman, Maria**, Natural Resources Defense Council: 2061
- Boyer, Christopher**, University of Tennessee: 216
- Boyer, Tracy**, Oklahoma State University: 70, 1040
- Boyle, Kevin**, Virginia Tech: 104, 1080, 2004
- Bozic, Marin**, University of Minnesota-Twin Cities: 1015, 1088, 2068
- Brady, Michael**, Washington State University: 124
- Brand, Mark**, University of Connecticut: 2013
- Bravo-Ureta, Boris**, University of Connecticut: 2023
- Breneman, Vincent**, USDA-Economic Research Service: 214
- Briggeman, Brian**, Kansas State University: 2010
- Brinkman, Blondel**, USDA-Animal and Plant Health Inspection Service: 1011, 1024, 1047
- Brockhaus, Jan**, Center for Development Research: 103
- Brooks, Kathleen**, University of Nebraska-Lincoln: 1038, 2096
- Broersen, B. Wade**, Oklahoma State University: 235, 2011
- Brown, Jonathan**, University of Minnesota: 86
- Brown, Pike**, Landcare Research: 2074
- Brown, Scott**, University of Missouri: 63, 1071
- Browning, Drew**, The Ohio State University: 1080
- Bryant, Henry**, Texas A&M University: 2030
- Bulut, Harun**, NCIS: 1066
- Burbidge, Linda**, Blue Cross Blue Shield of North Dakota: 51
- Burdine, Kenneth**, University of Kentucky: 1071
- Burke, Marshall**, University of California, Berkeley: 1051, 2009
- Burke, William**, Stanford University: 1018
- Burney, Shaheer**, University of Kentucky: 2080

Participant and Author Index

- Burns, Christopher**, University of Massachusetts Amherst: 1043, 2079
- Busby, Gwenlyn**, Virginia Tech: 1020
- Cabrera, Victor**, University of Wisconsin: 2023
- Cai, Jing**, University of Michigan: 1028
- Cai, Ruohong**, Princeton University: 1035, 1085
- Cai, Yongxia**, RTI International: 2078
- Caillavet, France**, INRA ALISS: 1065
- Cain, Jewelwayne**, University of Missouri: 60, 2053
- Calvin, Linda**, USDA-Economic Research Service: 2033
- Camp, Kevin**, Purdue University: 2017
- Camden, Art**, Samford University: 2002
- Campbell, Benjamin**, University of Connecticut: 1022, 1045, 2013, 2093
- Campbell, Brett**, University of Alberta: 69
- Campbell, Danny**, University of Stirling: 1045, 2075, 2094
- Campbell, Eric**: 46
- Campiche, Jody**, Oklahoma State University: 2030
- Canales, Elizabeth**, Kansas State University: 183
- Cao, Jessica**, University of Guelph: 1028, 1028, 2053
- Cao, Xiang**, University of Florida: 197
- Capalbo, Susan**, Oregon State University: 1030, 2083
- Capitani, Daniel**, Brazilian Bioethanol Science and Technology Laboratory: 230, 2096
- Capps, Jr., Oral**, Texas A&M University: 8, 44, 52, 1014, 1036, 1082, 2013
- Caputo, Vincenzina**, Korea University: 78, 1045
- Carnegie, Rachel**, Purdue University: 1016
- Carnes, Nicholas**, Duke University: 1081
- Carpentier, Alain**, Institut National de la Recherche Agronomique: 196, 198
- Carpio, Carlos**, Texas Tech University: 1056, 2014, 2015, 2077
- Carranza, Eliana**, The World Bank: 1034
- Carroll, Christine**, University of California, Davis: 106
- Carter, Colin**, University of California, Davis: 106
- Carter, Michael**, University of California, Davis: 1003
- Carter, Tyra**, United Supermarkets, LLC: 2067
- Cash, Sean**, Tufts University: 119, 1013, 1072, 2098
- Castillo-Villar, Krystel**, University of Texas, San Antonio: 216
- Caswell, Julie**, University of Massachusetts Amherst: 1053, 2013
- Chakrabarti, Anwesha**, University of Connecticut: 1080
- Chalakh, Morteza**, University of Western Australia: 184
- Chamberlin, Jordan**, Michigan State University: 2019
- Chambers, William**, USDA-Farm Service Agency: 2037
- Chang, Ching-Cheng**, Academia Sinica: 142
- Chang, Jae Bong**, Yeungnam University: 2068
- Chang, Kuo-Liang**, South Dakota State University: 2013
- Chang, Wonjun**, University of Wisconsin: 2053
- Channa, Hira**, Pakistan Strategy Support Program: 1017
- Chao, Fu**, University of Wisconsin: 2009
- Chapparro, Juan**, University of Minnesota: 20
- Chau, Nancy**, Cornell University: 1019
- Chavas, Jean-Paul**, University of Wisconsin: 1025
- Chege, Christine**, Goettingen University: 2028
- Chembezi, Duncan**, Alabama A&M University: 1024, 1047
- Chen, Kevin**, IFPRI-Beijing: 146, 1044, 2082
- Chen, Mei**, Dongbei University of Finance and Economics: 1067
- Chen, Na**, The Ohio State University: 2097
- Chen, Wen**, Washington State University: 125
- Chen, Xianwen**, Norwegian University of Life Sciences: 1038
- Chen, Xiaoguang**, Southwestern University of Finance and Economics: 2078
- Chen, Xuan**, University of Maine: 33, 190
- Chen, Yong**, Oregon State University: 2027
- Chen, Yuan**, University of California, Davis: 120
- Chen, Yunguang**, Oregon State University: 2027
- Chenarides, Lauren**, The Pennsylvania State University: 98
- Chernyakhovskiy, Ilya**, University of Massachusetts Amherst: 1022
- Cherry, J. Bradley**, University of Missouri-Kansas City: 1005
- Chhatre, Ashwini**, University of Illinois at Urbana-Champaign: 138
- Chidmi, Benaissa**, Texas Tech University: 48
- Chinnan, Manjeet**, University of Georgia: 12, 109, 2069
- Cho, Seong-Hoon**, University of Tennessee: 1001
- Cho, Sung Ju**, Texas A&M University: 2075
- Choe, Young-Chan**, Seoul National University: 2013
- Chonabayashi, Shun**, Cornell University: 1037
- Chouinard, Hayley**, Washington State University: 1082, 2096
- Christman, Laine**, University of Nevada, Reno: 1020, 2048



Participant and Author Index

- Chung, Chanjin**, Oklahoma State University: 70, 1012
- Cicia, Gianni**, University of Naples Federico II: 2069
- Claassen, Roger**, USDA-Economic Research Service: 214, 2051
- Claessens, Lieven**, ICRISAT: 1030
- Clancy, Matthew**, Iowa State University: 2022
- Clark, Christopher**, University of Tennessee: 66, 68
- Clark, Patrick**, USDA-Agricultural Research Service: 1062
- Coble, Keith**, Mississippi State University: 1006, 2030
- Cobourn, Kelly**, Virginia Tech: 1051, 1064
- Coggins, Jay**, University of Minnesota: 211, 2032
- Cohn, Avery**, Tufts University: 2061
- Colantuoni, Francesca**, University of Massachusetts: 1022, 2069
- Colin-Castillo, Sergio**, Centro de Estudios Socio Economicos (CISE): 137, 201
- Collart, Alba**, Texas A&M University: 1056, 2015, 2042
- Collins, Alan**, West Virginia University: 75
- Collins, Keith**, National Crop Insurance Services: 1048
- Colson, Gregory**, University of Georgia: 93, 218, 2069, 2085
- Connelly, Nancy**, Cornell University: 73
- Conrad, Jon**, Cornell University: 179
- Cook, Michael**, University of Missouri: 1067, 2087
- Cooper, Joseph**, USDA-Economic Research Service: 1042
- Cooper, Monica**, University of California Cooperative Extension: 221
- Corcoran, Patrick**, Oregon State University: 2027
- Coupal, Roger**, University of Wyoming: 2079, 2091
- Courtemanche, Charles**, Georgia State University: 2002
- Cowley, Courtney**, Oklahoma State University: 2011
- Cox, Daniel**, Oregon State University: 2027
- Cox, Linda**, University of Hawaii: 1057
- Crago, Christine**, University of Massachusetts Amherst: 1022
- Crane, Laurence**, National Crop Insurance Services: 1024, 1048
- Craven, Robert**, University of Minnesota: 1032
- Crawford, Eric**, Michigan State University: 1041
- Crespi, John**, Kansas State University: 1005
- Cucagna, Maria**, University of Illinois at Urbana-Champaign: 2066
- Cuffey, Joel**, University of Minnesota: 112
- Currie, Philippa**, University of Otago: 1016
- Curtis, Kynda**, Utah State University: 2036
- Curzi, Daniele**, University of Milan: 1026
- Czajkowski, Jeffrey**, University of Pennsylvania: 2048
- Dadzie, Nicholas**, The Ohio State University: 1062
- Daigneault, Adam**, Landcare Research: 2074
- Dailey, Rocky**, South Dakota State University: 2013
- Dalton, Timothy**, Kansas State University: 1069
- D'Antoni, Jeremy**, USDA-Economic Research Service: 43, 1025, 2029
- Dare, Alaba Modupe**, Federal University of Agriculture: 1064
- Darko, Francis**, Purdue University: 1069, 2073
- Darrouzet-Nardi, Amelia**, Tufts University: 2098
- Davidova, Sophia**, University of Kent: 2017
- Davis, Alison**, University of Kentucky: 2080
- Davis, Christopher**, USDA-Economic Research Service: 50, 88, 2006
- Davis, David**, South Dakota State University: 2099
- Davis, George**, Virginia Tech: 115
- Davlasheridze, Meri**, Texas A&M University: 1037
- Dawson, Blaine**, Boise State University: 1051
- Day, Lloyd**, Interamerican Institute of Cooperation for Agriculture: 2033
- De Melo, Gioia**, Bank of Mexico: 2040
- Deaton, Brady James**, University of Guelph: 2051, 2080
- Deb, Partha**, Hunter College: 2014
- Debnath, Deepayan**, University of Missouri: 231, 1042, 1082, 2097
- Del Giudice, Teresa**, University of Naples Federico II: 2069
- Delbridge, Timothy**, University of Minnesota: 2037, 2104
- Delgado, Michael**, Purdue University: 236, 2026, 2048
- Deller, Steven**, University of Wisconsin: 1025, 2087
- Demko, Iryna**, The Pennsylvania State University: 2068
- Denbaly, Mark**, USDA-Economic Research Service: 1053
- Dench, Daniel**, RTI International: 1036
- Deng, Xiangzheng**, Chinese Academy of Sciences: 1073
- Deng, Xueting**, University of Kentucky: 91
- Dennis, Jennifer**, Purdue University: 1022
- Depositaro, Dinah Pura**, University of Philippines: 81
- Deryugina, Tatyana**, University of Illinois at Urbana-Champaign: 2009

Participant and Author Index

- Desai, Sona**, Intervale Center: **2054**
- Detre, Joshua**, Louisiana State University: **1008, 2005**
- Dharmasena, Senarath**, Texas A&M University: **8, 52, 139, 1014, 1036, 1063, 1082, 2013**
- Dhoubhadel, Sunil**, University of Nebraska: **1042**
- Dhuyvetter, Kevin**, Kansas State University: **2041**
- Diao, Xinshen**, International Food Policy Research Institute: **2082**
- Diebel, Penelope**, Oregon State University: **2035**
- Diersen, Matthew**, South Dakota State University: **2003**
- Diffenbaugh, Noah**, Stanford University: **2048**
- Dillon, Andrew**, Michigan State University: **1052**
- Ding, Jinxiu**, Texas A&M University: **1064**
- Ding, Ya**, University of Electronic Science and Technology of China: **2080**
- Dissanayake, Sahan**, The Colby College: **2025**
- Dixon, Bruce**, University of Arkansas: **2057**
- Dobis, Elizabeth**, Purdue University: **236**
- Doering, Otto**, Purdue University: **3, 1051**
- Dong, Fengxia**, University of Wisconsin: **177, 1055**
- Doran, Beth**, Iowa State University: **2041**
- Dorfman, Jeffrey**, University of Georgia: **238, 1012, 1087, 2024**
- Dreyer, Heiko**, University of Giessen: **2102**
- Du, Xiaodong**, University of Wisconsin: **1055, 2022, 2049**
- Du, Xiaoxue**, University of California, Berkeley: **228, 1078**
- Duangbootsee, Uchook**, Michigan State University: **108, 2043**
- Dumortier, Jerome**, IUPUI: **1086, 2025**
- DUPRAZ, Pierre**, French Agronomic Research Institute: **2095**
- Dwivedi, Puneet**, University of Georgia: **172**
- Dyck, John**, USDA-Economic Research Service: **2006**
- Eales, James**, Purdue University: **53, 2068**
- Ehmke, Mariah**, University of Wyoming: **1047**
- Eichman, Henry**, US Forest Service: **180**
- Eigenbrode, Sanford**, University of Idaho: **1030**
- Elbakidze, Levan**, University of Idaho: **1064**
- Elliott, Lisa**, South Dakota State University: **2013**
- Ellison, Brenna**, University of Illinois at Urbana-Champaign: **1038, 1072**
- Emerick, Kyle**, University of California, Berkeley: **1051**
- English, Burton**, University of Tennessee: **68, 216**
- Epperson, James**, University of Georgia: **1035**
- Epplin, Francis**, Oklahoma State University: **31, 194**
- Erdem, Seda**, University of Stirling: **49, 1045, 2094**
- Erickson, Kenneth**, USDA-Economic Research Service: **35, 2006**
- Escalante, Cesar**, University of Georgia: **34, 37, 1035**
- Essel, Albert**, Virginia State University: **1024**
- Estrin, Andrew**, US Food and Drug Administration: **2033**
- Evans, Samuel**, Colorado State University: **2061**
- Eyer, Jonathan**, North Carolina State University: **2079**
- Fajardo-Gonzalez, Johanna**, University of Minnesota: **2046**
- Fan, Linlin**, University of Illinois at Urbana-Champaign: **2014**
- Fan, Qin**, California State University: **1037**
- Fan, Shenggen**, International Food Policy Research Institute: **2034**
- Fan, Xiaoli**, Cornell University: **1012**
- Fang, Di**, Arizona State University: **2066, 2094**
- Fang, Lu**, Texas A&M University: **1063**
- Fannin, James**, Louisiana State University: **1025, 1025**
- Farmer, Anna**, University of Alberta: **2028**
- Farren, Michael**, The Ohio State University: **1020**
- Farrin, Kathleen**, USDA-Economic Research Service: **1033**
- Farrin, Katie**, USDA-Economic Research Service: **2073**
- Fausti, Scott**, South Dakota State University: **1068, 2003, 2063**
- Featherstone, Allen**, Kansas State University: **2049**
- Feitshans, Theodore**, North Carolina State University: **1031**
- Feldman, Roger**, University of Minnesota: **2062**
- Femenia, Fabienne**, INRA: **196**
- Feng, Hongli**, Iowa State University: **2049**
- Feng, Xiaoguang**, Iowa State University: **232**
- Fernandez-Cornejo, Jorge**, USDA-Economic Research Service: **1021**
- Ferrari, Emanuele**, European Commission - Joint Research Centre - IPTS: **1081**
- Ferreira, Joaquin**, University of Sao Paulo: **2001**
- Ferreira, Susana**, University of Georgia: **58**
- Ferrell, Shannon**, Oklahoma State University: **1031**
- Ferrier, Peyton**, USDA-Economic Research Service: **1056**
- Ferris, Jeffrey**, University of Maryland: **226, 2075, 2103**
- Ferro, Gabrielle**, University of Florida: **1060**



Participant and Author Index

- Fewell, Jason**, University of Tennessee: **165, 1086**
- Fields, Deacue**, Auburn University: **2006**
- Filipski, Mateusz**, International Food Policy Research Institute: **2082**
- Finger, Robert**, Wageningen University: **2048**
- Finnoff, David**, University of Wyoming: **2021, 2079**
- Fischer, Bart**, US House of Representatives: **1006**
- Fisher, Monica**, International Maize and Wheat Improvement Center: **1069**
- Fisher-Vanden, Karen**, The Pennsylvania State University: **1040**
- Fitzsimmons, Jill**, University of Massachusetts: **2069**
- Fleisher, Belton**, The Ohio State University: **157**
- Fleming, Patrick**, University of Maryland: **2052**
- Fletcher, Jason**, Yale University: **2002**
- Flora, Cornelia**, Iowa State University: **223**
- Florax, Raymond**, Purdue University: **150, 236, 2020, 2073**
- Flores, Alejandro**, Boise State University: **1051**
- Florkowski, Wojciech**, University of Georgia: **12, 109, 2069**
- Flory, Jeffrey**, Claremont McKenna College: **1084**
- Flynn, Terry**, University of South Australia: **1016**
- Foltz, Jeremy**, University of Wisconsin: **1029**
- Foster, Kenneth**, Purdue University: **2031**
- Fraser, Iain**, University of Kent: **1004**
- Frasier, W. Marshall**, Colorado State University: **2035**
- Friedman, Jed**, The World Bank: **1052**
- Frisvold, David**, Iowa State University: **2002**
- Froelich, Markus**, University of Mannheim: **128**
- Fryza, Stefanie**, Canadian Wheat Board: **89**
- Fukase, Emiko**, The World Bank: **1073**
- Fulginiti, Lilyan**, University of Nebraska: **174**
- Funk, Samuel**, United Soybean Board - SmithBucklin: **2005**
- Gabrielyan, Gnel**, Washington State University: **1049**
- Gale, Fred**, USDA-Economic Research Service: **1074**
- Gallagher, Justin**, Case Western Reserve: **2009**
- Gallardo, Karina**, Washington State University: **2042**
- Gallardo, Rosa**, Washington State University: **124**
- Gao, Jianfeng**, Virginia Tech: **74**
- Gao, Zhifeng**, University of Florida: **84, 85, 1060, 2013, 2094**
- Garay, Pedro**, Kansas State University: **165**
- Garg, Teevrat**, Cornell University: **168**
- Garnache, Cloe**, Michigan State University: **2097**
- Gassman, Philip**, Iowa State University Center for Agriculture and Rural Development: **215**
- Gebremariam, Seyoum**, The Ohio State University: **2097**
- Geiger, Richelle**, Virginia Tech: **1020**
- Geisert, Sarah**, General Mills, Inc.: **1027**
- Gergaud, Olivier**, KEDGE, Bordeaux Business School: **1039**
- Geyer, L. Leon**, Virginia Tech: **1031**
- Ghanem, Hafez**, Brookings Institution: **2034**
- Ghimire, Monika**, Oklahoma State University: **70**
- Ghimire, Raju**, National Pingtung University of Science and Technology: **95**
- Giannakas, Konstantinos**, University of Nebraska: **1015**
- Gibson, Mark**, Washington State University: **1063**
- Gillespie, Jeffrey**, Louisiana State University: **188, 2006, 2104**
- Gilligan, Daniel**, International Food Policy Research Institute: **1084**
- Glewwe, Paul**, University of Minnesota: **1052, 1052**
- Goddard, Ellen**, University of Alberta: **2028, 2085**
- Goetz, Stephan**, The Pennsylvania State University: **29, 1046, 1063**
- Goldsmith, Peter**, University of Illinois at Urbana-Champaign: **2066**
- Golub, Alla**, Purdue University: **2078**
- Gomes, Carla**, Cornell University: **1062**
- Gomez Y Paloma, Sergio**, European Commission - Joint Research Centre - IPTS: **116, 2098**
- Gomez, Miguel**, Cornell University: **133, 1012, 2018, 2021**
- Gonzalez-Mellado, Aida**, Johann Heinrich von Thünen Institute: **1081**
- Goodenberger, James**, The Ohio State University: **71**
- Goodwin, Barry**, North Carolina State University: **126, 2058**
- Goodwin, Jr., Harold**, University of Arkansas: **7**
- Gopalakrishnan, Sathya**, The Ohio State University: **71, 1051, 1080**
- Gopi, Girigan**, MSSRE, India: **2028**
- Gorton, Matthew**, University of Newcastle: **2017**
- Gottlieb, Paul**, Rutgers University: **1076**
- Gottshall, Bryan**, Louisiana State University: **2026**
- Gould, Brian**, University of Wisconsin: **154, 1088**
- Gouzaye, Amadou**, Oklahoma State University: **194**

Participant and Author Index

- Graciano, Tim**, Ernst & Young: **1019**
- Graff, Gregory**, Colorado State University: **1077**
- Gramig, Ben**, Purdue University: **1051, 2021**
- Grant, Laura**, University of Wisconsin: **1034**
- Gray, Allan**, Purdue University: **1008, 1067, 2007, 2031**
- Gray, Emily**, Australian Bureau of Agricultural and Resource Economics and Sciences: **1077**
- Grebitus, Carola**, Arizona State University: **13, 2069, 2085**
- Greene, Catherine**, USDA-Economic Research Service: **1065, 2037**
- Gregory, Christian**, USDA-Economic Research Service: **1053, 2014**
- Gregory, Jesse**, University of Wisconsin: **2009**
- Griffin, Terry**, University of Arkansas: **43**
- Griffin, Tim**, Tufts University: **1013**
- Grogan, Kelly**, University of Florida: **1060, 2047**
- Guan, Zhengfei**, University of Florida: **181, 197, 222, 1066, 2050, 2082**
- Guerena, David**, Cornell University: **179**
- Guerrero, Santiago**, Banco de Mexico: **208, 209, 210**
- Guizar, Isai**, Tecnologico de Monterrey: **1062**
- Gundersen, Craig**, University of Illinois at Urbana-Champaign: **1027, 1053, 2002, 2014, 2036, 2071**
- Gunderson, Michael**, Purdue University: **1008, 1067, 1075, 2049**
- Gupta, Anubhab**, University of California, Davis: **54**
- Gupta, Sonam**, University of Florida: **1005, 1060**
- Gvillo, Rejeana**, Texas A&M University: **44, 1036**
- Haab, Timothy**, The Ohio State University: **1046**
- Haankuku, Choolwe**, Oklahoma State University: **31**
- Hadrich, Joleen**, Colorado State University: **36, 2011**
- Haggerty, Mark**, Headwaters Economics: **2091**
- Hahn, William**, USDA-Economic Research Service: **2006**
- Haight, Robert**, US Forest Service: **234, 1001, 2103**
- Hall, Charles**, Texas A&M University: **1022**
- Hallahan, Charles**, USDA-Economic Research Service: **2006**
- Hamilton, Doug**, Oklahoma State University: **2011**
- Hamilton, Lynn**, California Polytechnic State University: **25, 2035**
- Hamrick, Karen**, USDA-Economic Research Service: **2072**
- Han, Doo Bong**, Korea University: **78**
- Han, Sungill**, Konkuk University: **1012**
- Han, Wenyan**, Tea Research Institute, Chinese Academy of Agricultural Sciences: **1013**
- Hand, Michael**, US Forest Service: **180, 1020**
- Hanks, Andrew**, Cornell University: **1005, 1005**
- Hansen, James**, USDA-Economic Research Service: **1079**
- Haque, Mohua**, The Samuel Roberts Noble Foundation: **2076**
- Hardesty, Sherman**, University of California, Davis: **1010**
- Harris, James**, USDA-Economic Research Service: **35, 40, 1033, 2006**
- Harris, Leah**, Michigan State University: **2049**
- Harris, Virginia**, USDA-National Agricultural Statistics Service: **2087**
- Harrison, R. Wes**, Louisiana State University: **88**
- Harrison, Robert**, Louisiana State University: **188, 1008**
- Hart, Chad**, Iowa State University: **2012, 2036**
- Hartarska, Valentina**, Auburn University: **1025**
- Hartley, Daniel**: **2009**
- Hartter, David**, EarthShift: **2004**
- Harvey, David**, USDA-Economic Research Service: **2006**
- Hasheider, Marcus**, PadillaCRT: **2081**
- Haskell, Jacqueline**, Abt Associates Inc.: **2071**
- Hathie, Ibrahima**, Initiative Prospective Agricole et Rurale: **2089**
- Hau, Thao**, University of Connecticut: **2013**
- Hayes, Dermot**, Iowa State University: **232, 1074**
- Hayhoe, Katharine**, Texas Tech University: **1085**
- He, Xiaobo**, University of Adelaide: **2028**
- He, Xiaoyang**, Cornell University: **73**
- Headey, Derek**, IFPRI: **2065, 2065**
- Hedge, Kendra**, Purdue University: **2093**
- Heerman, Kari**, USDA-Economic Research Service: **18, 1039**
- Heifner, Richard**, USDA-Economic Research Service (retired): **2032**
- Heisey, Paul**, USDA-Economic Research Service: **1003, 1023**
- Hellwinkcel, Chad**, University of Tennessee: **68**
- Helmar, Michael**, University of Nevada, Reno: **1082**
- Heng, Yan**, Kansas State University: **1056**
- Hennessy, David**, Iowa State University: **136, 186, 1083, 2049, 2071**
- Herak, Patrick**, The Ohio State University: **1080**
- Herath, Dumindu**, Foundation for Environmental, Climate and Technology: **2089**



Participant and Author Index

- Hernandez, Annette**, Texas Tech University: 1085
- Hernandez-Aguilera, Juan**, Cornell University: 1012
- Herriges, Joseph**, Iowa State University: 1065
- Hertel, Thomas**, Purdue University: 105, 2048, 2061, 2078
- Hidrobo, Melissa**, International Food Policy Research Institute: 1084
- Hilker, James**, Michigan State University: 2088
- Hill, Elizabeth**, University of Georgia: 2090
- Hill, Ruth**, International Food Policy Research Institute: 128
- Hillis, Vicken**, University of California, Davis: 221
- Hirrfot, Kibrom**, Cornell University: 1088
- Hitaj, Claudia**, USDA-Economic Research Service: 1087
- Hjort, Kim**, USDA-Economic Research Service: 1079
- Hoag, Dana**, Colorado State University: 45, 2051
- Hoddinott, John**, International Food Policy Research Institute: 1084
- Hoehn, John**, Michigan State University: 72
- Hofenk, Dianne**, Wageningen University: 1038
- Hoffmann, Helmut**, Technische Universität München: 176
- Hoffmann, Vivian**, University of Maryland: 1018
- Hoke, Omer**, University of Connecticut: 1049, 1059, 2013
- Holcomb, Rodney**, Oklahoma State University: 2056
- Holland, Benedict**, Clark University: 1057
- Holloway, Garth**, University of Reading: 1029
- Holmes, Thomas**, USDA-Forest Service: 1080
- Homann-Kee Tui, Sabine**, ICRISAT: 2089
- Hood, Harrison**, University of Georgia: 1012
- Horan, Richard**, Michigan State University: 2021, 2052
- Hosseini Matin, Anahita**, University of Alberta: 2085
- House, Lisa**, University of Florida: 84, 85, 87, 1060, 2013, 2066
- Houston, Jack**, University of Georgia: 117
- Hovhannisyan, Vardges**, University of Minnesota: 2024, 2068
- Howard, Peter**, New York University - Institute for Policy Integrity: 1013, 1037
- Howitt, Richard**, University of California, Davis: 185
- Hoy, Kyle**, The Pennsylvania State University: 2091
- Hsu, Shih-Hsun**, National Taiwan University: 142
- Hu, Chaoran**, Michigan State University: 146, 156
- Hu, Luojia**, Federal Reserve Bank of Chicago: 1028
- Hu, Wenjing**, Colorado State University: 1039
- Hu, Wuyang**, University of Kentucky: 202, 1057, 1070, 2039, 2052, 2069, 2085
- Hu, Wu-Yueh**, National Chung Hsing University: 62, 2093
- Huang, Jikun**, Center for Chinese Agricultural Policy, Chinese Academy of Sciences: 1023, 1073
- Huang, Lu**, University of Connecticut: 1058
- Huang, Pei**, Texas A&M University: 1013, 2068
- Huang, Wen-Chi**, National Pingtung University of Science and Technology: 95
- Huang, Xing**, Michigan State University: 1028
- Hueth, Brent**, University of Wisconsin--Madison: 129
- Huettel, Silke**, Humboldt University of Berlin: 1066
- Humber, Jacob**, University of California, Davis: 2099
- Humpenoeder, Florian**, Potsdam Institute for Climate Research: 2061
- Husbands Fealing, Kaye**, University of Minnesota: 1054
- Hungerford, Ashley**, North Carolina State University: 2053
- Hur, Yoon Sun**, University of Minnesota: 153
- Hurley, Terrance**, University of Minnesota: 2022, 2104
- Ibendahl, Gregory**, Kansas State University: 2003, 2063
- Ifft, Jennifer**, USDA-Economic Research Service: 205, 228, 1078, 2029
- Igarashi, Yoshiyuki**, University of Wyoming: 2079
- Ikeda, Shinya**, Tohoku University: 237
- Ingenbleek, Paul**, Wageningen University: 2029
- Iqbal, Zabid**, Iowa State University: 9
- Iremolenko, Iryna**, Arizona State University: 2018
- Irwin, Elena**, The Ohio State University: 2026, 2097
- Irwin, Scott**, University of Illinois at Urbana-Champaign: 1046
- Ishdorj, Ariun**, Texas A&M University: 44
- Ishida, Kazuyoshi**, Texas Tech University: 57
- Isoto, Rosemary**, The Ohio State University: 148
- Ivanic, Maros**, The World Bank: 2065
- Jablonski, Becca**, Cornell University: 2008, 2060
- Jacobs, Keri**, Iowa State University: 21
- Jacoby, Hanan**, The World Bank: 2065
- Jaenicke, Edward**, The Pennsylvania State University: 1070, 2010
- Jaleta, Moti**, CIMMYT, Addis Ababa: 2046
- Jang, Heesun**, University of Wisconsin: 2022
- Jano, Pilar**, University of Wisconsin: 129

Participant and Author Index

- Janssen, Larry**, South Dakota State University: 39, 2043
- Janzen, Joseph**, Montana State University: 90
- Janzen, Sarah**, University of California, Davis: 90
- Jauregui, Carlos**, University of Florida: 1058
- Jayne, Thomas**, Michigan State University: 2019
- Jeffrey, Scott**, University of Alberta: 2075
- Jensen, Helen**, Iowa State University: 100, 2002
- Jensen, Kimberly**, University of Tennessee: 66, 68
- Jensen, Nathaniel**, Cornell University: 1052
- Jeon, Hocheol**, Iowa State University: 1065
- Jeong, Jaeseok**, Kyung Hee University: 2013
- Jessoe, Katrina**, University of California, Davis: 1041
- Jeuland, Marc**, Duke University: 1052
- Ji, Yongjie**, Iowa State University: 212, 2077
- Jia, Xiangping**, Chinese Academy of Sciences: 1074
- Jiang, Jingze**, Edinboro University of Pennsylvania: 227
- Jiang, Xiaojiao**, Washington State University: 124, 187
- Jiang, Yuan**, University of Florida: 1060
- Jin, Jing**, University of Arkansas: 2057
- Jin, Shaosheng**, Zhejiang University: 2057
- Jin, Songqing**, Michigan State University: 146, 1044, 2019, 2047
- Jin, Yanhong**, Rutgers University: 2036, 2057, 2082
- Jo, Hyebin**, Seoul National University: 2013
- Johnson, Aaron**, University of Idaho: 1007, 2056
- Johnson, Jeffrey**, Mississippi State University: 1085
- Johnston, Robert**, Clark University: 1057, 2004
- Johny, Judit**, University of Alberta: 1017
- Jones, Carol**, USDA-Economic Research Service: 2061
- Jones, Derrick**, Food Standards Agency UK: 1004
- Jones, Eluned**, South Dakota State University: 2083
- Jones, Eugene**, The Ohio State University: 2010
- Jones, Ghangela**, University of Georgia: 37
- Jones, Keithly**, USDA-Economic Research Service: 19
- Jones, Michael**, University of Florida: 84, 85, 2074
- Joppa, Lucas**, Microsoft: 1001
- Joseph, Siny**, Kansas State University: 1082
- Josephson, Anna**, Purdue University: 151, 2027
- Josling, Timothy**, Stanford University: 2001
- Juarez-Torres, Miriam**, Banco de Mexico: 208, 209, 210
- Jung, Sangnyeol**, Southwest Minnesota State University: 1011
- Just, David**, Cornell University: 1005, 1019, 1072
- Kafle, Achyut**, University of Rhode Island: 2004
- Kafle, Kashi**, University of Illinois at Urbana-Champaign: 1079, 2016
- Kakuhenzire, Rogers**, International Potato Center: 79
- Kalaiselvan, N**, MSSRF, India: 2028
- Kalkuhl, Matthias**, Center for Development Research: 103, 2041, 2070
- Kanninen, Barbara**: 104
- Kanter, David**, Princeton University: 1035
- Kanza, Patrick**, Oklahoma State University: 1040
- Kaplan, Jonathan**, California State University: 221
- Kaplowitz, Michael**, Michigan State University: 2004
- Karali, Berna**, University of Georgia: 58, 218, 1055, 2041
- Katare, Bhagyashree**, University of Minnesota: 121
- Katchova, Ani**, University of Kentucky: 1008, 2006, 2060
- Kaufman, Zachary**, The Pennsylvania State University: 2004
- Kaul, Sapna**, University of Utah: 46, 203, 1038
- Kawano, Laura**, US Department of the Treasury: 2009
- Kelsey, Timothy**, The Pennsylvania State University: 2091
- Kemper, Nathan**, University of Arkansas: 1032
- Key, Nigel**, USDA-Economic Research Service: 178
- Khachatryan, Hayk**, University of Florida: 28, 1022, 2040
- Khan, Muhammad Jawad**, Cornell University: 73
- Khanal, Aditya**, Louisiana State University: 26, 2023
- Khanna, Madhu**, University of Illinois at Urbana-Champaign: 171, 172, 1021, 1059, 2051, 2053, 2055, 2078
- Khanna, Neha**, Binghamton University: 2079
- Kibonge, Aziza**, University of Nebraska: 1041, 2074
- Kilic, Talip**, The World Bank: 1069, 2073
- Kim, Elizabeth**, Korea University: 83
- Kim, Hyeyoung**, University of Florida: 87, 1058, 2066
- Kim, Jong-Jin**, Korea Rural Economic Institute: 131
- Kim, Man-Keun**, Utah State University: 55
- Kim, Sanghyo**, The Ohio State University: 1055
- Kim, Tae-Kyun**, Kyungpook National University: 2066
- Kim, Taeyoung**, University of Tennessee: 1001
- Kimenju, Simon**, Georg-August-Universität Göttingen: 2028
- King, Dave**, Oregon State University: 2007



Participant and Author Index

- King, John**, USDA-Economic Research Service: 1054
King, Robert, University of Minnesota: 2037, 2104
Kinsey, Jean, University of Minnesota: 1010, 1027
Kirchhoff, Anne, University of Utah: 46, 203
Kirwan, Barrett, University of Illinois at Urbana-Champaign: 1033, 1078
Klaiber, Allen, The Ohio State University: 71, 1080
Klasen, Stephan, University of Goettingen: 2028
Klatt, Jessica, Michigan State University: 1043
Klein, Peter, University of Missouri: 1067
Kline, Jeffrey, USDA-Forest Service: 1076
Klinefelter, Danny, Texas A&M University: 2007, 2087
Kling, Catherine, Iowa State University: 212, 215, 2077
Klose, Steven, Texas A&M University: 1006
Knapp, Keith, University of California, Riverside: 224
Knuteson, Deana, University of Wisconsin: 177
Knutson, Ronald, Texas A&M University: 2001
Koirala, Krishna, Louisiana State University: 26, 1079, 2104
Koksal, Aycan, Cleveland State University: 1083
Kolodinsky, Jane, University of Vermont: 111, 1004, 1027, 1072, 2054
Konar, Avishek, The Ohio State University: 2026
Kong, Wen, University of California: 224
Kostandini, Gentian, University of Georgia: 130
Kotsiri, Sofia, North Carolina State University: 1044
Kouser, Shahzad, University of Agriculture: 1017, 2095
Kovacs, Kent, University of Arkansas: 234
Kozicka, Marta, University of Bonn: 2070
Kraybill, David, The Ohio State University: 148
Krishnamurthy, Prasad, University of California, Berkeley: 2101
Krause, Brooke, University of Minnesota: 4
Kropp, Jaclyn, University of Florida: 1005, 1035, 1060
Kruger, Chad, Washington State University: 1030
Kuethe, Todd, University of Illinois: 2015
Kuhlgatz, Christian, Thünen-Institut für Marktanalyse: 2044
Kuhns, Annemarie, USDA-Economic Research Service: 1016
Kuhns, Ryan, USDA-Economic Research Service: 1078
Kuku-Shittu, Oluyemisi, International Food Policy Research Institute: 2073
Kumarappan, Subbu, The Ohio State University: 1017, 1050, 1070
Kumcu, Aylin, USDA-Economic Research Service: 1082
Kurkalova, Lyubov, North Carolina A&T State University: 2026, 2050
Kuzma, Jennifer, North Carolina State University: 86
Kyureghian, Gayaneh, Korea University: 1014, 1036
Lade, Gabriel, University of California, Davis: 2105
LaFrance, Jeffrey, Monash University: 1082
Lagerkvist, Carl, Swedish University of Agricultural Sciences: 79
Laliberte, Larry, University of Alberta: 219, 2075
Lambert, David, Kansas State University: 1064, 2083
Lambert, Dayton, University of Tennessee: 66, 68
Lanclos, Dwight, USDA-Risk Management Agency: 1048, 1068
Langemeier, Michael, Purdue University: 2003
Larochelle, Catherine, Virginia Tech: 1018
Larson, Andrew, University of Minnesota: 2019
Larson, Eric, University of Tennessee: 1001
Larson, James, University of Tennessee: 68, 216
Lass, Daniel, University of Massachusetts Amherst: 2069
Lawley, Chad, University of Manitoba: 2025, 2051
Lee, Gi-Eu, Michigan State University: 97
Lee, Huey-Lin, National Chengchi University: 142
Lee, John, Mississippi State University: 2062
Lee, Jonq-Ying, Retired: 1058
Lee, Juhwan, University of California, Davis: 2097
Lee, Sang Hyeon, Texas A&M University: 78
Lee, Seoyoun, Seoul National University: 2013
Lee, Yoonsuk, University of Arkansas: 2068, 2093
Lee, Yu Na, University of Minnesota: 1019
Leiby, Julie, Louisiana State University: 191
Leiker, Gary, USDA-Agricultural Research Service: 1085
Leister, Amanda, Colorado State University: 17
Lele, Uma, Independent Scholar: 2034, 2034
Lence, Sergio, Iowa State University: 2012
Lentz, Erin, Bucknell University: 1088
Lesch, William, University of North Dakota: 76
Levine, Kendra, Michigan State University: 2043
Levitt, Steven, University of Chicago: 2009

Participant and Author Index

- Lewis, Karen**, Arizona State University: 13, 2016
- Lewis, Lynne**, Bates College: 2025
- Li, Anzhi**, University of Georgia: 2024
- Li, Haoyang**, Michigan State University: 2099
- Li, Huan**, State University of New York at Binghamton: 2026, 2079
- Li, Jie**, Cornell University: 133
- Li, Longling**, China Agricultural University: 2057
- Li, Shanjun**, Cornell University: 73
- Li, Tongzhe**, Washington State University: 2105
- Li, Xiang**, University of Kentucky: 11
- Li, Xianghong**, Kansas State University: 132
- Li, Xiaofei**, Purdue University: 150
- Li, Xiaofei**, University of Georgia: 1035
- Li, Xiaogu**, North Carolina State University: 66
- Li, Xiaoshu**, Virginia Tech: 1080
- Li, Xile**, University of Kentucky: 2039
- Li, Xin**, University of Illinois at Urbana-Champaign: 233, 2011
- Li, Yi**, Southern Methodist University: 2079
- Li, Yingbo**, Clemson University: 1014
- Li, Yingzi**, Washington State University: 2042
- Li, Zhi**, University of Washington: 1057
- Li, Ziran**, Iowa State University: 1011, 2066
- Liang, Kathleen**, University of Vermont: 29, 32, 1010, 1070
- Liang, Jiaochen**, The Pennsylvania State University: 1063
- Lichtenberg, Erik**, University of Maryland: 173, 1058
- Liebhold, Andrew**, USDA-Forest Service: 1080
- Lim, Kar Ho**, Korea University: 202, 2096
- Lin, Biing-Hwan**, USDA-Economic Research Service: 2016
- Lin, C.-Y. Cynthia**, University of California, Davis: 2105
- Lin, Yu-Chen**, National Chung Hsing University: 62
- Lin, Yujie**, Renmin University of China: 2082
- Litkowski, Carrie**, Bureau of Economic Analysis: 1009
- Liu, Boying**, Washington State University: 189
- Liu, Donald**, University of Minnesota: 1059
- Liu, Hongxing**, The Ohio State University: 1080
- Liu, Jing**, Purdue University: 2020, 2048
- Liu, Miaoru**, Washington State University: 99
- Liu, Pengfei**, University of Connecticut: 65, 1057, 2004
- Liu, Xiangping**, University of Gothenburg: 2051
- Liu, Xiaouu**, Renmin University of China: 1036
- Liu, Xuanli**, Fort Valley State University: 50
- Liu, Yizao**, University of Connecticut: 1049, 1058, 1079, 2018
- Liverpool-Tasie, Lenis**, Michigan State University: 2073
- Liverpool-Tasie, Saweda**, Michigan State University: 2073
- Livy, Mitchell**, The Ohio State University: 1080
- Llobrera, Joseph**, Tufts University: 1053
- Loesch, Chuck**, Fish and Wildlife Service: 214
- Lohmar, Bryan**, US Grains Council: 1074
- Lopez, Rigoberto**, University of Connecticut: 1036
- Lott, Corey**, University of California, Santa Barbara: 1040, 1085
- Lorab, Eduardo**, Independent Researcher: 20
- Lotze-Campen, Hermann**, PIK: 1030, 2061
- Lou, Chen**, Michigan State University: 119
- Louviere, Jordan**, University of South Australia: 171
- Loveridge, Scott**, Michigan State University: 97
- Low, Jan**, International Potato Center: 144, 145
- Lowe, Ben**, University of Kent: 1004
- Lu, Jie**, Renmin University of China: 2082
- Lu, Liang**, University of California, Berkeley: 228, 1078
- Lubell, Mark**, University of California, Davis: 221
- Luby, James**, University of Minnesota: 2042
- Luckstead, Jeffrey**, University of Arkansas: 1042
- Lupi, Frank**, Michigan State University: 1043, 2004
- Lusk, Jayson**, Oklahoma State University: 1005, 1046, 1072, 2067, 2086
- Lybbert, Travis**, University of California, Davis: 1028, 1052
- Lyford, Conrad**, Texas Tech University: 1005, 2067
- Ma, Meilin**, University of California, Davis: 2010
- Ma, Xingliang**, International Food Policy Research Institute: 1017, 2095
- MacDonald, James**, USDA-Economic Research Service: 1086
- MacLachlan, Matthew**, University of California, Davis: 2021
- Madhavan Nambiar, Padmanand**, University of Georgia: 109
- Mafimisebi, Taiwo**, Mulungushi University: 2039
- Maganga, Assa**, Lilongwe University of Agriculture and Natural Resources: 2095
- Maghraby, Wahida**, University of Adelaide: 2074, 2085
- Magnan, Nicholas**, University of Georgia: 1061



Participant and Author Index

- Maher, Joseph**, University of Maryland: 217, 225
- Mahnken, Curtis**, University of Minnesota: 1032
- Maiga, Eugenie**, African Center for Economic Transformation: 143, 2046
- Majsztrik, John**, University of Maryland: 173
- Makrides, Maria**, University of Adelaide: 1016
- Malek, Lenka**, University of Adelaide: 1016
- Malone, Donald**, Oklahoma State University: 2031, 2059, 2086
- Mancino, Lisa**, USDA-Economic Research Service: 113, 1072, 2040
- Mandich, Anne**, University of Georgia: 1087
- Manning, Dale**, Colorado State University: 36, 1041
- Marasteanu, Ioana**, The Pennsylvania State University: 29, 2010
- Marasteanu, Julia**, The Pennsylvania State University: 32
- Marchant, Mary**, Virginia Polytechnic Institute and State University: 1, 2036
- Marcoul, Philippe**, University of Alberta: 1017
- Maredia, Mywish**, Michigan State University: 2020, 2047
- Mark, Tyler**, University of Kentucky: 43
- Marre, Alexander**, USDA-Economic Research Service: 1087, 2032
- Marsh, Thomas**, Washington State University: 99, 167, 187, 227, 1049
- Marshall, Elizabeth**, USDA-Economic Research Service: 1023
- Marshall, Maria**, Purdue University: 1083, 2008, 2027
- Martin, Jay**, The Ohio State University: 2097
- Martin, Jennifer**, University of Connecticut: 1045
- Martin, Laura**, University of Kansas: 1005
- Martin, William**, The World Bank: 1073, 2015, 2065
- Martini, Sandra**, University of Arkansas: 7
- Martinez-Cruz, Adán**, FAO of the United Nations: 208, 209
- Maruyama, Eduardo**, IFPRI: 128
- Mary, Sébastien**, European Commission - Joint Research Centre - IPTS: 116, 2098
- Mason, Nicole**, Michigan State University: 2043
- Massey, Raymond**, University of Missouri: 1021, 2055
- Masters, William**, Tufts University: 1003, 2098
- Mathews, Kenneth**, USDA-Economic Research Service: 19
- Mathews, Leah**, University of North Carolina, Asheville: 1075, 2035
- Matthews, Paul**, University of Georgia: 238
- Mattos, Fabio**, University of Nebraska-Lincoln: 89, 230
- Mauget, Steven**, USDA-ARS Plant Stress and Water Conservation Lab: 1085
- Mayer, Michelle**, North Carolina State University: 1044
- McAlister, Anna**, Michigan State University: 119
- McBride, Linden**, Cornell University: 2044
- McCalla, Alexander**, University of California, Davis: 2034
- McCann, Laura**, University of Missouri: 2051
- McCarl, Bruce**, Texas A&M University: 1013, 2075, 2105
- McCarty, Tanner**, Purdue University: 1086
- McCluskey, Jill**, Washington State University: 1026, 1049, 1056, 2105
- McCool, Audrey**, Texas Tech University: 2067
- McCool, Barent**, Texas Tech University: 2067
- McCorrison, Steven**, University of Exeter Business School: 2099
- McCoy, Stacy**, Purdue University: 16
- McCracken, Vicki**, Washington State University: 1010, 2042
- McCullough, Michael**, California Polytechnic State University: 1049
- McDonald, Scott**, Oxford Brookes University: 1081
- McDonald, Tia**, Purdue University: 1083
- McEwan, Margaret**, International Potato Center: 144, 145
- McFadden, Brandon**, Oklahoma State University: 1005
- McFadden, Jonathan**, Iowa State University: 2075
- McFerson, James**, Washington Tree Fruit Res Commission: 2042
- McGath, Chris**, USDA-Economic Research Service: 1078
- McGuire, Julia**, University of Maine: 190
- McGuire, William**, University of Washington Tacoma: 157
- McKendree, Melissa**, Kansas State University: 42
- McLaughlin, Patrick**, University of California, Davis: 134
- McMillin, Kenneth**, Louisiana State University: 188, 2104
- McMurtry, Bronc**, South Dakota State University: 39
- McNamara, Dylan**, University of North Carolina, Wilmington: 1051
- McNamara, Kevin**, Purdue University: 16
- McNamara, Paul**, University of Illinois at Urbana-Champaign: 206
- Meas, Thong**, University of Kentucky: 2069
- Meeks, Robyn**, University of Michigan: 1034

Participant and Author Index

- Mehlhorn, Joey**, University of Tennessee at Martin: **1079**
- Meinzen-Dick, Ruth**, International Food Policy Research Institute: **1061**
- Mekonnen, Dawit**, International Food Policy Research Institute: **1017**
- Melesse, Kassahun**, University of California, Davis: **2100**
- Melo, Grace Rocío**, University of Georgia: **93**
- Meloy, Margaret**, The Pennsylvania State University: **2085**
- Melstrom, Richard**, Salisbury University: **1043**
- Menapace, Luisa**, TUM - Technische Universität München: **1026**
- Meng, Ting**, University of Georgia: **12, 2045, 2069**
- Meng, Xiangyi**, Central University of Finance and Economics: **154**
- Mercer, D. Evan**, Southern Research Station: **1020**
- Merel, Pierre**, University of California, Davis: **2097**
- Miao, Ruiqing**, University of Illinois: **1021, 2055**
- Michler, Jeffrey**, Purdue University: **151**
- Mickelsen, Chuck**, Kansas State University: **2010**
- Milhollin, Ryan**, University of Missouri: **2053**
- Miller, Kelly**, University of Massachusetts Amherst: **1022**
- Miller, Michael**, South Dakota State University: **39**
- Mills, Bradford**, Virginia Polytechnic Institute and State University: **1084, 2101**
- Minegishi, Kota**, University of Maryland: **2049**
- Minot, Nicholas**, International Food Policy Research Institute: **2028, 2065, 2085**
- Miranda, Mario**, The Ohio State University: **2070**
- Miranowski, John**, Iowa State University: **2075**
- Mirzabaev, Alisher**, Center for Development Research: **170**
- Mishra, Ashok**, Louisiana State University: **26, 40, 1033, 1079, 2023, 2029, 2104**
- Mishra, Chaudhury Shripati**, MSSRF, India: **2028**
- Mitchell, Paul**, University of Wisconsin: **177**
- Mittelhammer, Ron**, Washington State University: **1056**
- Moeltner, Klaus**, Virginia Tech: **1080**
- Mohamed, Abubacker Siddick**, MSSRF, India: **2028**
- Mohamed, Shibia**, International Livestock Research Institute: **1062**
- Mohanty, Samarendu**, International Rice Research Institute: **2104**
- Mohapatra, Sandeep**, University of Alberta: **1061**
- Moon, Junghoon**, Seoul National University: **2013**
- Moore, Abby**, University of Georgia: **1061**
- Moore, Danna**, Washington State University: **1032**
- Moore, Virginia**, University of Wisconsin: **177**
- Morehart, Mitchell**, USDA-Economic Research Service: **205, 1078**
- Moschini, GianCarlo**, Iowa State University: **1026, 2022**
- Moser, Christine**, Western Michigan University: **1018**
- Moss, Charles**, University of Florida: **38, 1021, 1035**
- Moss, Justin**, Oklahoma State University: **70, 1040**
- Motallebi, Marzieh**, Colorado State University: **45, 2048**
- Mozaffarian, Dariush**, Harvard School Public Health: **18**
- Mu, Jianhong**, Oregon State University: **175, 1030, 2027**
- Mude, Andrew**, International Livestock Research Institute: **1052, 1062**
- Muhammad, Andrew**, USDA-Economic Research Service: **18**
- Mueller, Christoph**, Potsdam Institute for Climate Research: **2061**
- Mujahid, Irfan**, Center for Development Research: **162**
- Mujica, William**, Land O'Lakes: **2005**
- Mukuka, Rhoda**, Indaba Agricultural Policy Research Institute: **2044**
- Mullally, Conner**, University of Florida: **1061**
- Mulwa, Richard**, University of Nairobi: **2089**
- Murakami, Tomoaki**, The University of Tokyo: **2054**
- Muraoka, Rie**, Michigan State University: **2019, 2047**
- Murguia, Juan**, North Dakota State University: **136**
- Murray, Anthony**, USDA Economic Research Service: **2073, 2101**
- Murray, Brad**, Duke University: **1051**
- Musafiri, Ildephonse**, Center for Development Research: **2076**
- Muth, Mary**, RTI International: **115, 2044, 2069**
- Mykerezi, Elton**, University of Minnesota: **130**
- Nadella, Karthik**, University of Guelph: **2051**
- Nadolnyak, Denis**, Auburn University: **1025**
- Nakakeeto, Gertrude**, Virginia Tech: **152**
- Nakano, Yuko**, University of Tsukuba: **149**
- Nam, Gina**, Huntsman Cancer Institute: **203**
- Narayan, Tulika**, Abt Associates Inc.: **220, 2071, 2101**
- Nardone, Gianluca**, University of Foggia: **2069**
- Naseem, Anwar**, McGill University: **2020**



Participant and Author Index

- Nayga, Rodolfo**, University of Arkansas: 13, 78, 81, 1014, 1036, 1045, 2040, 2045, 2057, 2094
- Nazli, Hina**, Pakistan Strategy Support Program: 1017, 1018, 2095
- Nehemachena, Charles**, Human Sciences Resource Council: 2089
- Nehring, Richard**, USDA-Economic Research Service: 2006
- Neibergs, Shannon**, Washington State University: 1032
- Nelson, A. Gene**, Texas A&M University: 2007, 2062
- Nelson, Gerald**, University of Illinois at Urbana-Champaign: 1030
- Nelson, Mack**, Fort Valley State University: 50
- Nelson, Richard**, University of Utah: 203
- Newburn, David**, University of Maryland: 2075, 2103
- Newman, Constance**, USDA-Economic Research Service: 2016
- Newton, John**, The Ohio State University: 102, 1088
- Nichele, Veronique**, INRA-ALISS: 1065
- Nicholas, Robert**, The Pennsylvania State University: 1040
- Nicholson, Charles**, The Pennsylvania State University: 2085
- Nigatu, Getachew**, USDA-Economic Research Service: 1042, 1079
- Nkansah, Kofi**, West Virginia University: 75
- No, Sung**, Southern University A&M: 2006
- Nolan, Elizabeth**, University of Sydney: 1077
- Nonnemaker, James**, RTI International: 1036
- Norton, George**, Virginia Tech: 74, 152, 1003, 2019, 2046
- Novak, Lindsey**, University of Minnesota: 2100
- Novakovic, Andrew**, Cornell University: 101
- Nti, Frank**, Kansas State University: 164
- Nunez, Hector**, Centro de Investigación y Docencia Económicas: 1059
- Nyaupane, Narayan**, Louisiana State University: 188
- Obayelu, Oluwakemi**, University of Ibadan: 2044
- O'Brien, Donal**, Teagasc: 176
- Odening, Martin**, Humboldt University of Berlin: 1066
- O'Donoghue, Erik**, USDA-Economic Research Service: 1088
- Ogundari, Kolawole**, Kyushu University Fukuoka Japan: 1044, 2044
- Oh, Juhyun**, University of Florida: 181
- Oh, Miyoung**, Iowa State University: 100, 2071
- Okello, Julius**, International Potato Center: 79, 144, 145
- Okrent, Abigail**, USDA-Economic Research Service: 1082, 2013, 2014, 2016, 2072
- Olapade, Markus**, International Initiative for Impact Evaluation: 128
- Olimov, Jafar**, The Ohio State University: 1055
- Ollinger, Michael**, USDA-Economic Research Service: 114
- Olper, Alessandro**, University of Milano: 1026
- Olson, Frayne**, North Dakota State University: 2088
- Olwande, John**, Michigan State University: 2100
- Onel, Gulcan**, University of Florida: 1035, 1055
- Ordonez, Romina**, University of Maryland: 1018
- Orians, Colin**, Tufts University: 1013
- Ortega, David**, Michigan State University: 135, 1016
- Ortiz-Bobea, Ariel**, Cornell University: 2023
- Orwig, David**, Harvard Forest: 1080
- Osborne, Shannon**, USDA-Agricultural Research Service: 39
- Otsuka, Keijiro**, National Graduate Institute for Policy Studies: 1073
- Ouedraogo, Frederic**, Oklahoma State University: 235
- Outlaw, Joe**, Texas A&M University: 1048, 2030
- Paggi, Mechel**, California State University: 2001, 2033
- Palma, Marco**, Texas A&M University: 44, 2001, 2033, 2042
- Pannell, David**, University of Western Australia: 184, 2103
- Paramasivam**, Tamil Nadu Agricultural University: 2089
- Parcell, Joseph**, University of Missouri: 60, 2053
- Pardey, Philip**, University of Minnesota: 1077, 2022, 2083
- Park, Seong**, Texas AgriLife Research: 192, 1083
- Parker, Rick**, NACTA Journal: 1075
- Parman, Bryon**, Mississippi State University: 2023, 2049
- Patel, Mumukshu**, Econet Wireless and AGRA: 2034
- Pathania, Vikram**, London School of Economics: 2101
- Patrick, Kevin**, USDA-Economic Research Service: 1078, 2029
- Paudel, Krishna**, Louisiana State University: 161, 2026
- Paul, Christopher**, Duke University: 1052
- Paulson, Nicholas**, University of Illinois at Urbana-Champaign: 2011, 2015, 2053
- Pauw, Karl**, International Food Policy Research Institute: 1069, 2043, 2065
- Pease, James**, Virginia Tech: 2004
- Pede, Valerien**, International Rice Research Institute: 149, 1061

Participant and Author Index

- Peel, Derrell**, Oklahoma State University: 19
- Pena-Levano, Luis**, Purdue University: 229
- Pence, Barbara**, Texas Tech University: 2067
- Pendell, Dustin**, Colorado State University: 1004
- Peng, Chao**, China Research Center for Rural Economy: 1044
- Penn, Jerrod**, University of Kentucky: 1057
- Pennings, Joost**, Maastricht University: 1038, 2029
- Peralta-Sanchez, Maria-Alexandra**, Michigan State University: 77
- Perge, Emilie**, Columbia University: 127
- Perrin, Richard**, University of Nebraska: 174
- Perry, Gregory**, Colorado State University: 2035
- Peters, David**, Iowa State University: 2032
- Peterson, E. Wesley**, University of Nebraska: 1019
- Peterson, Everett**, Virginia Tech: 2061
- Peterson, Hikaru Hanawa**, Kansas State University: 1056, 1060, 2013, 2035
- Peterson, Jeffrey**, Kansas State University: 183, 2013
- Pfaff, Alexander**, Duke University: 1001
- Pham, Matthew**, The Ohio State University: 1060, 1081
- Phaneuf, Daniel**, North Carolina State University: 1029
- Phillips, Devon**, University of Minnesota: 1077
- Phillips, Jon**, California Polytechnic State University: 239
- Piaggio, Matías**, Universidad de la República del Uruguay: 2040
- Pieralli, Simone**, University of Maryland: 1066, 2104
- Plakias, Zoe**, University of California, Davis: 2096
- Poe, Gregory**, Cornell University: 73
- Polasky, Stephen**, University of Minnesota: 1001, 2103
- Polyakov, Maksym**, University of Western Australia: 2103
- Poon, Kenneth**, University of Guelph: 2015
- Popp, Alexander**, Potsdam Institute for Climate Research: 2061
- Porkharel, Bijay**, Louisiana State University: 2026
- Prato, Tony**, University of Missouri: 2063
- Preckel, Paul**, Purdue University: 1051
- Prell, Mark**, USDA-Economic Research Service: 2016
- Pressier, Evan**, University of Rhode Island: 1080
- Pruitt, Jeremy**, Louisiana State University: 1071, 2096
- Puricelli, Estefania**: 1039
- Qaim, Matin**, Georg-August-Universität Göttingen: 2028
- Qasmi, Bashir**, South Dakota State University: 2063
- Qi, Lingqiao**, University of Connecticut: 2023
- Qian, Hang**, Iowa State University: 1011
- Qiu, Feng**, University of Alberta: 163, 219, 1088, 2024, 2075
- Quan, Shiwen**, Renmin University of China: 120
- Qushim, Berdikul**, Louisiana State University: 2104
- Rabotyagov, Sergey**, University of Washington: 212, 215, 2077
- Rainey, Ronald**, University of Arkansas: 7, 1024, 1032
- Rajbhandari Thapa, Janani**, Texas Tech University: 1005, 1036, 2067
- Ramachandran, Mahesh**, Cape Cod Commission: 1013
- Ramadas, Sendhil**, Directorate of Wheat Research: 2012
- Ramankutty, Navin**, McGill University: 2061
- Ramdas, Arunraj**, MSSRF, India: 2028
- Ramirez, Octavio**, University of Georgia: 93, 229, 2015, 2041
- Ramsey, Austin**, North Carolina State University: 2077
- Randall, Alan**, University of Sydney: 1077
- Ranville, Michelle**, Environmental Protection Agency: 2090
- Rao, Xudong**, University of Minnesota: 1062
- Raszap Skorbiansky, Sharon**, Purdue University: 80
- Reardon, Thomas**, Michigan State University: 146
- Reed, Michael**, University of Kentucky: 11, 64, 94, 160, 1084
- Reeling, Carson**, Michigan State University: 2021
- Regier, Gregory**, Kansas State University: 1069
- Regmi, Anita**, CGIAR: 1062
- Regmi, Madhav**, Louisiana State University: 161
- Reimao, Maira**, University of California, Davis: 2047
- Reimer, Jeffrey**, Oregon State University: 1069
- Rejesus, Roderick**, North Carolina State University: 1061, 2071
- Ren, Jinzheng**, China Agricultural University: 2057
- Resurreccion, Anna**, University of Georgia: 12, 109, 2069
- Reyes, Byron**, Michigan State University: 2020
- Reynolds, Travis**, Colby College: 1004
- Ribas, Rafael**, University of Illinois at Urbana-Champaign: 1083, 2072
- Ribaudo, Marc**, USDA-Economic Research Service: 2052
- Ribera, Luis**, Texas A&M University: 2001, 2033
- Richards, Timothy**, Arizona State University: 2018, 2066
- Richardson, James**, Texas A&M University: 2030



Participant and Author Index

- Richardson, Jesse**, West Virginia University: 1031, 1076
- Rickard, Bradley**, Cornell University: 1039, 1049
- Ricker-Gilbert, Jacob**, Purdue University: 1069, 2019, 2073
- Rickertsen, Kyrre**, Norwegian University of Life Sciences: 1038
- Riedinger, Jeffrey**, University of Washington: 1044
- Riippa, Aaron**, General Mills, Inc.: 2005
- Ringler, Claudia**, International Food Policy Research Institute: 1017
- Ripplinger, David**, North Dakota State University: 30, 110
- Rischke, Ramona**, Georg-August Universität Göttingen: 2028
- Robbat, Albert**, Tufts University: 1013
- Robinson, John**, Texas A&M University: 2088
- Roche, Erin**, University of Vermont: 2054
- Rodrigues, Lineu**, EMBRAPA: 185
- Roe, Brian**, The Ohio State University: 1026, 1060, 2026, 2086
- Rogers, Evan**, North Carolina State University: 1012
- Roland-Holst, David**, University of California, Berkeley: 2061
- Rollins, Kimberly**, University of Nevada, Reno: 1020, 1085, 2048
- Romero-Aguilar, Randall**, The Ohio State University: 2070
- Roosen, Jutta**, Technische Universität München: 2017
- Rosburg, Alicia**, University of Northern Iowa: 1044
- Rosch, Stephanie**, Purdue University: 135
- Rose, Mark**, USDA-Natural Resource Conservation Service: 2037
- Rose, Steven**, Electric Power Research Institute: 2078
- Rosen, Rebecca**, American Institutes for Research: 1054
- Rosezweig, Cynthia**, NASA: 1030
- Ross, Brent**, Michigan State University: 2099
- Ross, Carolyn**, Washington State University: 1049
- Ross, Kara**, Kansas State University: 51, 158, 159, 2046, 2098
- Ross, Robert**, Michigan State University: 1008, 2029, 2056
- Rosson, C. Parr**, Texas A&M University: 2036
- Rouse, Heather**, University of Arkansas: 2040
- Rousu, Matthew**, Susquehanna University: 1050, 2042
- Roy, René**, McGill University: 1058, 2103
- Roy, Shalini**, International Food Policy Research Institute: 1084
- Rozelle, Scott**, Stanford University: 1073
- Ruane, Alex**, NASA: 1030
- Rudstrom, Margaretha**, University of Minnesota: 240
- Rusiana, Hofner**, University of Georgia: 37
- Rutherford, Thomas**, University of Wisconsin: 2053
- Ryousuke, Kikushima**, University of Tokyo: 2054
- Saak, Alexander**, International Food Policy Research Institute: 118, 2018
- Saavoss, Monica**, University of Maryland: 173
- Sabasi, Darlington**, Washington State University: 2022
- Sackett, Hillary**, Westfield State University: 1050, 2042, 2103
- Safley, Charles**, North Carolina State University: 2071
- Saghaian, Sayed**, University of Kentucky: 94, 2039
- Saha, Malay**, The Samuel Roberts Noble Foundation: 194
- Saini, Shweta**, ICRIER: 2070
- Sajeev, E.M.**, Purdue University: 1051
- Salem, Marwa**, North Carolina State University: 2092
- Salman, Kabir**, University of Ibadan: 2044
- Salois, Matthew**, Florida Department of Citrus: 87
- Sand, Shannon**, South Dakota State University: 2013
- Santiago, Michelle**, Murray State University: 24, 2010
- Santiago-Ávila, Francisco**, Resources For the Future: 1001
- Santos, Paulo**, Monash University: 1077
- Sarpong, Daniel**, University of Ghana-Legon: 12, 2069
- Sarkar, Sulagna**, Iowa State University: 10
- Sauer, Johannes**, Technische Universität München: 2017, 2048, 2078
- Savage, Jeffrey**, USDA-Economic Research Service: 214, 2052, 2080
- Scarpa, Riccardo**, University of Waikato: 1045
- Scherpf, Erik**, USDA-Economic Research Service: 2016
- Schilling, Brian**, Rutgers University: 1076
- Schmidt, Klaus**, Illinois State University: 1070
- Schmit, Todd**, Cornell University: 2060
- Schmitz, Christoph**, Potsdam Institute for Climate Research: 2061
- Schnitkey, Gary**, University of Illinois at Urbana-Champaign: 2063
- Schoengold, Karina**, University of Nebraska: 1085
- Schroeder, Kateryna**, University of Missouri: 1039, 2100
- Schroeter, Christiane**, California Polytechnic State University: 2085
- Schulte-Geldermann, Elmar**, International Potato Center: 79

Participant and Author Index

- Schultz, Madeline**, Iowa State University: 2036
- Schulz, Lee**, Iowa State University: 1071, 2011, 2041
- Schwab, Benjamin**, International Food Policy Research Institute: 1084
- Schwabe, Kurt**, University of California, Riverside: 2092
- Schweikhardt, David**, Michigan State University: 2062
- Seale, James**, University of Florida: 61, 122, 2076
- Secor, William**, University of Minnesota: 27
- Segerson, Kathleen**, University of Connecticut: 1022, 2025, 2092
- Seixas, Renato**, University of California, Berkeley: 1015
- Seo, Han-Seok**, University of Arkansas: 1014
- Serba, Desalegn**, The Samuel Roberts Noble Foundation: 194
- Serneels, Pieter**, University of East Anglia: 1052
- Serrao, Amilcar**, University of Evora: 47
- Sesmero, Juan Pablo**, Purdue University: 1086, 2026, 2099
- Sexton, Steven**, North Carolina State University: 2079
- Shah, M. Azeem**, International Water Management Institute: 141
- Shaik, Saleem**, North Dakota State University: 2063
- Shaneyfelt, Calvin**, University of Nebraska: 1085
- Shanoyan, Aleksan**, Kansas State University: 158, 159, 223, 1086, 2046, 2098
- Shao, Qianqian**, Technische Universität München: 1039
- Sharma, Uttam**, University of Sydney: 2020
- Sharp, Misti**, Colorado State University: 2051
- Shee, Apurba**, International Livestock Research Institute: 1002
- Sheldon, Ian**, The Ohio State University: 1026, 2099
- Shen, Meng**, University of Florida: 2094
- Shen, Xuan**, Auburn University: 1025
- Shi, Guanming**, University of Wisconsin: 154, 1077
- Shiferaw, Bekele**, CIMMYT: 2046
- Shikuku, Kelvin**, International Potato Center: 144, 145
- Shinsaku, Nakajima**, Meiji University: 2054
- Shiratori, Sakiko**, JICA Research Institute: 2046
- Shittu, Adebayo**, Federal University of Agriculture: 2044
- Shiva, Layla**, Texas A&M University: 2105
- Shively, Gerald**, Purdue University: 1029, 1069, 2073
- Shoemaker, Robbin**, National Institute of Food and Agriculture: 1054
- Shortle, James**, The Pennsylvania State University: 2004, 2052
- Shrader, Jeffrey**, University of California, San Diego: 1034
- Shrader, Rebekah**, Washington State University: 1082
- Shultz, Joe**, Senate Committee on Agriculture, Nutrition & Forestry: 1006
- Shumway, C. Richard**, Washington State University: 189, 1023, 2022, 2077
- Shupp, Robert**, Michigan State University: 77, 2042, 2049
- Silveira, José Maria**, State University of Campinas: 1015
- Simon, Leo**, University of California, Berkeley: 1061
- Simons, Andrew**, Cornell University: 2080
- Sindi, Kirimi**, International Potato Center: 144, 145
- Singh, Harbir**, Indian Center for Agricultural Research: 2089
- Singla, Rohit**, McGill University: 2020
- Sivandran, Gajan**, The Ohio State University: 1080
- Six, Johan**, University of California, Davis: 2097
- Smale, Melinda**, Michigan State University: 1018, 2100
- Smith, Aaron**, University of California, Davis: 2105
- Smith, Adam**: 157
- Smith, Bruce**, Consultant: 2074
- Smith, Katherine**, Council of Professional Associations on Federal Statistics: 1046
- Smith, Martin**, Duke University: 1051
- Smith, Rodney**, University of Minnesota: 1041
- Smith, Trenton**, University of Otago: 1016, 1072
- Sneeringer, Stacy**, USDA-Economic Research Service: 178, 2014
- Somwaru, Agapi**: 1079
- Song, Feng**, Renmin University: 2055
- Song, Minrong**, University of Georgia: 34
- Song, Xiaopeng**, University of Maryland: 217
- Songsermsawas, Tisorn**, University of Illinois at Urbana-Champaign: 138
- Sonobe, Tetsushi**, National Graduate Institute for Policy Studies: 2076
- Souza Monteiro, Diogo**, University of Kent: 1004
- Spaulding, Aslihan**, Illinois State University: 1070, 2081
- Spielman, David**, International Food Policy Research Institute: 1017, 2095
- Spink, Elizabeth**, Harvard University/Cornell University: 73
- Spolador, Humberto**, University of Sao Paulo: 1041
- Springborn, Michael**, University of California, Davis: 2021
- Sproul, Thomas**, University of Rhode Island: 1002



Participant and Author Index

- Spurlock, C. Anna**, Lawrence Berkeley Lab: 2092
- Stasi, Antonio**, University of Foggia: 2069
- Stegelin, Forrest**, University of Georgia: 1050, 1078
- Steiner, Christopher**, University of California, San Diego: 1065
- Stenberg, Peter**, USDA-Economic Research Service: 1087
- Stephenson, Mark**, Cornell University: 102
- Stepp, Richard**, University of Florida: 1013
- Sterner, Thomas**, University of Gothenburg: 1013, 1037
- Sterns, James**, Oregon State University: 2056
- Stillman, Steven**, University of Otago: 1016
- Stockle, Claudio**, Washington State University: 1030
- Stockton, Matthew**, University of Nebraska: 1042
- Stoeffler, Quentin**, Virginia Tech: 1084
- Stoll, John**, University of Wisconsin, Green Bay: 1037
- Stommes, Matthew**, Cargill: 2005
- Stovall, Jeff**, Espey Consultants, Inc.: 1085
- Strik, Bernadine**, Oregon State University: 2071
- Stutzman, Sarah**, Purdue University: 53
- Styles, Erika**, Fort Valley State University: 50
- Su, Ye**, University of Missouri: 1067, 2054
- Subbarao, Krishna**, University of California, Davis: 106
- Suh, Dong Hee**, University of Florida: 155, 1021
- Sullins, Martha**, Colorado State University: 2008
- Sullivan, Clare**, Columbia University: 127
- Sumner, Daniel**, University of California, Davis: 96
- Sun, Shanxia**, Purdue University: 2026
- Sun, Shaoyan**, University of Alberta: 1017
- Surathkal, Prasanna**, Oklahoma State University: 1012
- Suter, Jordan**, Colorado State University: 2025
- Sutradhar, Rajib**, Jawaharlal Nehru University: 1018
- Suzuki, Aya**, University of Tokyo: 2100
- Swallow, Brent**, University of Alberta: 1017, 2075
- Swallow, Stephen**, University of Connecticut: 65, 1057, 1080, 2004
- Swinton, Scott**, Michigan State University: 1051, 2049, 2055, 2074
- Tack, Jesse**, Mississippi State University: 2058
- Tadesse, Birhanu**, International Livestock Research Institute: 1062
- Taha, Fawzi**, USDA-Economic Research Service: 2006
- Taheripour, Farzad**, Purdue University: 1020
- Tajibaeva, Liaila**, University of Minnesota: 1001, 2103
- Takeshi, Sato**, University of Tokyo: 2054
- Tambo, Justice**, Center for Development Research: 2076
- Tamirat, Aderajew**, Wageningen University: 2029
- Tamosinuas, Matas**, Michigan State University: 72
- Tandon, Sharad**, USDA-Economic Research Service: 2101
- Tang, Zhong**, Renmin University of China: 2082
- Tangaoui, Abbes**, Texas Tech University: 2, 182
- Tao, Hongjun**, Fuzhou University: 1
- Taro, Takahashi**, University of Tokyo: 2054
- Tauer, Loren**, Cornell University: 2011
- Taylor, Christopher**, USDA-National Agricultural Statistics Service: 56, 204
- Taylor, Daniel**, Virginia Tech: 152
- Taylor, J. Edward**, University of California, Davis: 1041
- Taylor, Michael**, University of Nevada, Reno: 1020, 2048
- Taylor, Mykel**, Kansas State University: 2095
- Taylor, R. Garth**, University of Idaho: 1064
- Tchigriaeva, Elena**, University of Nevada, Reno: 1040, 1085
- Teague, Richard**, Texas AgriLife Research: 192
- Ted, Schroeder**, Kansas State University: 2094
- Tejeda, Hernan**, Utah State University: 55
- Tembo, Solomon**, Indaba Agricultural Policy Research Institute: 2043
- Temesgen, Chalachew**, French Agronomic Research Institute: 2095
- Tenkasi Raghu, Parabhakaran**, MSSRF, India: 2028
- Tewari, Rachna**, Texas Tech University: 1085
- Thiel, Leigh**, broadhead.: 2081
- Thilmany McFadden, Dawn**, Colorado State University: 1047, 2008, 2060, 2086
- Thomassin, Paul**, McGill University: 2103
- Thompson, Carl**, University of York: 2094
- Thompson, Gary**, University of Arizona: 2083
- Thompson, Jada**, Colorado State University: 17
- Thompson, Sarahelen**, Bureau of Economic Analysis: 1009,
- Thompson, Wyatt**, University of Missouri: 231, 1082
- Thomsen, Michael**, University of Arkansas: 2040
- Thornsbury, Suzanne**, USDA-Economic Research Service: 2033

Participant and Author Index

- Thraen, Cameron**, The Ohio State University: **102, 1088**
- Thurlow, James**, International Food Policy Research Institute: **2043**
- Thurman, Wally**, North Carolina State University: **1011, 2090**
- Tjernström, Emilia**, University of California, Davis: **82**
- Todd, Jessica**, USDA-Economic Research Service: **1053, 1082**
- Todd-Malmlov, April**, Minnesota Health Insurance Marketplace: **2062**
- Toiba, Hery**, University of Adelaide: **2028**
- Tonsor, Glynn**, Kansas State University: **42, 2031, 2085, 2096**
- Toor, Gurpal**, University of Florida: **181**
- Toro-Gonzalez, Daniel**, Universidad Tecnologica de Bolivar: **1012, 1056**
- Torres, Marcelo**, University of Brasilia: **185**
- Toth, Russell Dean**, University of Sydney: **1062**
- Tozer, Peter**, Washington State University: **187, 227**
- Tran, Van**, University of Nebraska: **1015**
- Travadon, Renaud**, USDA-Agricultural Research Service: **221**
- Trindade, Federico**, University of Nebraska: **195**
- Trinh, Long**, National Graduate Institute for Policy Studies: **2076**
- Tripodis, Yorghos**, Boston University: **2050**
- Trujillo-Barrera, Andres**, Wageningen University: **1038, 1059, 2029**
- Tselepidakis, Elina**, University of Maryland: **1058**
- Tseng, Eric**, The Ohio State University: **2102**
- Tsusaka, Takuji**, International Crops Research Institute for the Semi-Arid Tropics: **149**
- Turvey, Calum**, Cornell University: **1002, 1028**
- Tuttle, Charlotte**, USDA-Economic Research Service: **2067**
- Tyner, Wallace**, Purdue University: **1020**
- Ubilava, David**, University of Sydney: **2024, 2050**
- Uchida, Emi**, University of Rhode Island: **1002**
- Uchida, Hirotugu**, University of Rhode Island: **1002, 1043**
- Umberger, Wendy**, University of Adelaide: **1016, 2028, 2074, 2085**
- Unnevehr, Laurian**, International Food Policy Research Institute: **2028**
- Upton, Joanna**, Cornell University: **1084**
- Useche, Pilar**, University of Florida: **2047**
- Uzea, Florentina**: **2015**
- Vaiknoras, Kate**, Virginia Polytechnic Institute and State University: **152**
- Valcu, Adriana**, Iowa State University: **215**
- Valdivia, Roberto**, Oregon State University: **1030, 2089**
- Vallad, Gary**, University of Florida: **197**
- Valle, Karen**, USDA-Economic Research Service: **1021**
- Van Campenhout, Bjorn**, International Food Policy Research Institute: **2065**
- Van Der Mensbrugge, Dominique**, FAO of the United Nations: **1030**
- Van Loo, Ellen**, Ghent University: **1014**
- Van Meijl, Hans**, LEI-Wageningen University: **1030**
- VanDerZanden, Ann**, Iowa State University: **1075**
- Vassalos, Michael**, Clemson University: **1014, 2096**
- Vedenov, Dmitry**, Texas A&M University: **1068**
- Velarde, Orlee**, Asian Development Bank: **1061**
- Ver Ploeg, Michele**, USDA-Economic Research Service: **113, 1053**
- Verbeke, Wim**, Ghent University: **1014, 1045**
- Vercammen, James**, University of British Columbia: **1013**
- Vergara, Oscar**, Air Worldwide: **1068**
- Verteramo Chiu, Leslie**, Cornell University: **200, 1038**
- Vervoort, Joost**, Oxford University: **1030**
- Vestal, Mallory**, West Texas A&M University: **2093**
- Vickner, Steven**, The Ohio State University: **2011**
- Vidovic, Martina**, Rollins College: **2079**
- Villoria, Nelson**, Purdue University: **2061**
- Vinson, Hannah**, University of Idaho: **1064**
- Vlscocchia, Rosaria**, Università di Foggia: **2013**
- Voegele, Juergen**, The World Bank: **2034**
- Vogel, Stephen**, USDA-Economic Research Service: **2060**
- Voica, Daniel**, University of Maryland: **1081**
- Volpe, Richard**, USDA-Economic Research Service: **1016, 2018**
- Von Haefen, Roger**, North Carolina State University: **2092**
- Von Lampe, Martin**, OECD: **1030**
- Von Witzke, Harald**, Humboldt University of Berlin: **2102**
- Vorotnikova, Ekaterina**, University of Florida: **6, 2076**
- Vosti, Stephen**, University of California, Davis: **1052**
- Vukina, Tomislav**, North Carolina State University: **92, 2093**



Participant and Author Index

- Wachenheim, Cheryl**, North Dakota State University: 5, 15, 23, 76, 1047, 1080
- Wadsworth, Jonathan**, CGIAR Fund: 2034
- Wahl, Thomas**, North Dakota State University: 122
- Wailes, Eric**, University of Arkansas: 2057
- Wainio, John**, USDA-Economic Research Service: 2001
- Waldman, Kurt**, Michigan State University: 2094
- Waldorf, Brigitte**, Purdue University: 150, 2017
- Walker, Sarah**, University of Wisconsin: 147
- Wamisho, Kassu**, University of Nebraska: 30, 193, 199, 1019
- Wandschneider, Philip**, Washington State University: 1082
- Wang, Dan**, Chinese Academy of Sciences: 1074
- Wang, Hong**, Purdue University: 1016, 2057
- Wang, Hongsha**, Jiangnan University: 2057
- Wang, Hui**, Michigan State University: 123, 1044
- Wang, Huiqiang**, University of Rhode Island: 2071
- Wang, Jing**, Northeast Agricultural University: 1063
- Wang, Jingjing**, University of Missouri: 1067, 1067
- Wang, Jinxia**, Chinese Academy of Sciences: 1073
- Wang, Nanying**, University of Georgia: 117
- Wang, Shuxian**, Jiangnan University: 2057
- Wang, Sun Ling**, USDA-Economic Research Service: 1023, 2022
- Wang, Tong**, Texas AgriLife Research: 186, 192, 1083
- Wang, Weiwei**, University of Illinois at Urbana-Champaign: 172
- Wang, Xiaobing**, Center for Chinese Agricultural Policy, Chinese Academy of Sciences: 1073
- Wang, Yanghao**, University of Tennessee: 2014
- Wang, Yumeng**, Renmin University of China: 1059
- Wang, Zhiguang**, South Dakota State University: 2063
- Wansink, Brian**, Cornell University: 1005
- Ward, Clement**, Oklahoma State University: 2093
- Ward, Patrick**, International Food Policy Research Institute: 141
- Warziniack, Travis**, US Forest Service: 180
- Weaver, Amanda**, Oklahoma State University: 2067
- Weber, Alan**, Marc IV Consulting: 2053
- Weber, Bruce**, Oregon State University: 2007, 2027, 2032
- Weber, Jeremy**, USDA-Economic Research Service: 1033, 1087, 2021, 2105
- Weersink, Alfons**, University of Guelph: 2015, 2051
- Weibe, Keith**, International Food Policy Research Institute: 1030
- Weidel, Mina**, California Polytechnic State University: 25
- Weiming, Huang**, Stanford University: 1074
- Weinthal, Erika**, Duke University: 1052
- Weixler-Landis, Barry**, Virginia Tech: 152
- Welch, James**, Texas A&M University: 2088, 2088
- Werner, Dan**, University of Maryland: 2041
- Wessler, Justus**, Technische Universität München: 1039
- Westhoff, Patrick**, University of Missouri: 231
- Westra, John**, Louisiana State University: 169, 191
- Wetzstein, Michael**, University of Georgia: 218
- Whistance, Jarrett**, University of Missouri: 1042
- Wichman, Casey**, University of Maryland: 1034
- Wichmann, Bruno**, University of Alberta: 1017
- Widmar, David**, Purdue University: 1067
- Widmar, Nicole**, Purdue University: 1016
- Wiebe, Dane**, Oregon State University: 2027
- Wilcox, Michael**, Purdue University: 2008
- Wilkus, James**, USDA-Food Safety and Inspection Service: 114
- Wille, Nicola**, University of Wisconsin: 177
- Williams, Deborah**, Louisiana State University: 161
- Williams, Jeffery**, Kansas State University: 183, 1086
- Williams, Robert**, USDA-Economic Research Service: 40
- Williams, Ryan**, Texas Tech University: 113, 214
- Williamson, James**, USDA-Economic Research Service: 41, 1035
- Willis, David**, Clemson University: 1085
- Wilson, Christine**, Kansas State University: 2081
- Wilson, Norbert**, Auburn University: 1060, 2008, 2039
- Wineman, Ayala**, Michigan State University: 1041, 2101
- Winkler, Julie**, Michigan State University: 97
- Winter-Nelson, Alex**, University of Illinois at Urbana-Champaign: 2016
- Wolf, Christopher**, Michigan State University: 42
- Wood, Dallas**, North Carolina State University: 107, 1015
- Woodard, Joshua**, Cornell University: 200, 1002
- Woods, Bethany**, University of Guelph: 2080
- Woods, Michael**, Oklahoma State University: 2087

Participant and Author Index

- Woods, Timothy**, University of Kentucky: **91, 2013**
- Woodward, Richard**, Texas A&M University: **137**
- Wrenn, Douglas**, The Pennsylvania State University: **1040**
- Wright, Brian**, University of California, Berkeley: **1059**
- Wu, Feng**, University of Florida: **1066, 2050**
- Wu, Linhai**, Jiangnan University: **2057**
- Wu, Steven**, Purdue University: **80**
- Wu, Ximing**, Texas A&M University: **2032, 2058, 2075, 2084**
- Wu, Xuedong**, University of Georgia: **238**
- Wu, Yelena**, Huntsman Cancer Institute: **203**
- Wui, Peter**, University of Arkansas: **1011**
- Wulfhurst**, University of Idaho: **1030**
- Wünscher, Tobias**, Center for Development Research: **2076**
- Wyatt, T J**, US Environmental Protection Agency: **2090**
- Wyman, Jefferey**, University of Wisconsin: **177**
- Wysocki, Allen**, University of Florida: **2056**
- Xavier, Carlos**, University of Sao Paulo: **230**
- Xia, Tian**, Kansas State University: **132**
- Xian, Hui**, University of Georgia: **218**
- Xiao, Jinzhi**, Iowa State University: **2012**
- Xie, Chaoping**, Virginia Polytechnic Institute and State University: **1**
- Xie, Ruizhi**, University of Delaware: **2045, 2072**
- Xie, Yang**, University of California, Berkeley: **1040**
- Xiong, Bo**, University of California, Davis: **96**
- Xu, Lingling**, Jiangnan University: **2057**
- Xu, Wan**, University of Florida: **28**
- Xu, Weibin**, Virginia Tech: **2004**
- Xu, Xiaojie**, North Carolina State University: **1011**
- Xue, Meng**, USDA-Economic Research Service: **205**
- Yamauchi, Futoshi**, The World Bank: **1073**
- Yamaura, Koichi**, Tokyo University of Agriculture and Technology: **165, 1060**
- Yamazaki, Fumiko**, California State University: **2001**
- Yang, Chao**, Virginia Tech: **2054**
- Yang, Jin**, Zhejiang University: **1044**
- Yang, Jun**, Chinese Academy of Sciences: **1073**
- Yang, Sansi**, Washington State University: **2023**
- Yang, Shang-Ho**, National Chung Hsing University: **2013**
- Yang, Tsung Yu**, North Carolina State University: **140, 1019**
- Yang, Wanhong**, University of Guelph: **2025**
- Yang, Xi**, University of Illinois at Urbana-Champaign: **171, 1021**
- Yang, Yanliang**, Virginia Tech: **115**
- Yang, Zhihai**, Huazhong Agricultural University: **1059**
- Ye, Fanglin**, University of Illinois at Urbana-Champaign: **2053**
- Ye, Shiyu**, University of Georgia: **2041**
- Yeager, Elizabeth**, Purdue University: **22, 2081, 2093**
- Yeboah, Felix**, Michigan State University: **2004**
- Yen, Steven**, STY Health Econometrics: **2014**
- Yi, Dale**, Michigan State University: **2074**
- Yi, Fujin**, Nanjing Agricultural University, China: **2015**
- Yiannaka, Amalia**, University of Nebraska: **1015**
- Yin, Yiyang**, North Carolina State University: **92**
- Yirga, Chilot**, Ethiopian Institute of Agricultural Research: **2046**
- Yoder, Jillian**, University of Missouri: **63**
- Yonekura, Hitoshi**, Tohoku University: **237**
- Yoo, Do-il**, Chungbuk National University: **1044**
- Yoon, Haengku**, University of California, Davis: **2025**
- Yorobe, Jose**, University of the Philippines - Los Banos: **1061**
- You, Wen**, Virginia Tech: **104**
- Young, Ethan**, University of Wisconsin: **154**
- Young, Jeffrey**, Purdue University: **2018**
- Young, Linda**, Montana State University: **2091**
- Yu, Tun-Hsiang**, University of Tennessee: **68, 216**
- Yuan, Yan**, Southwestern University of Finance and Economics: **2045**
- Yuan, Yuan**, Virginia Tech: **104**
- Yue, Chengyan**, University of Minnesota: **86, 2042**
- Yue, Ian**, University of Connecticut: **1057**
- Yukinaga, Nishihara**, University of Tokyo: **2054**
- Yun, Seong Do**, Purdue University: **2021**
- Zacharias, Thomas**, National Crop Insurance Services: **1048, 1068**
- Zaffou, Madiha**, University of Connecticut: **1045, 2070**
- Zaidi, Fatima**, International Food Policy Research Institute: **1017, 2095**
- Zambrano, Patricia**, International Food Policy Research Institute: **1017, 2095**
- Zapata, Samuel**, Clemson University: **2077**



Participant and Author Index

- Zaveri, Esha**, The Pennsylvania State University: **1040**
- Zavrel, James**, Bureau of Economic Analysis: **1009**
- Zeaske, Rob**, Second Harvest: **1027**
- Zehetmeier, Monika**, Technische Universität München: **176**
- Zenebe, Addisalem**, University of Nebraska: **14, 1019**
- Zeng, Di**, University of California, Berkeley: **1059**
- Zeng, Di**, Virginia Tech: **2046**
- Zeng, Yinchu**, Renmin University of China: **120**
- Zereyesus, Yacob**, Kansas State University: **158, 159, 1069, 2046, 2098**
- Zering, Kelly**, North Carolina State University: **1044**
- Zhang, Hongliang**, Oregon State University: **175, 1030**
- Zhang, Jun**, University of Tennessee: **68, 2014**
- Zhang, Lisha**, University of Florida: **38, 61**
- Zhang, Wendong**, The Ohio State University: **1085, 2097**
- Zhang, Xin**, Princeton University: **1035**
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