AAEA PRESIDENT’S MESSAGE

I am very pleased to have this opportunity to welcome you to San Francisco and to the 2015 AAEA and WAEA Joint Annual Meeting. I want to thank all of our AAEA members and guests for joining us in this beautiful city. Likewise, it is a special pleasure to partner with the Western Association. We have a very exciting meeting organized and I am confident that we will find intellectual stimulation, exciting professional interactions, fun, and an opportunity to meet old and new friends alike.

The future of any organization lies in its young members. With that in mind, I am especially excited to welcome our newest generations of agricultural, applied, and environmental economists to what I am sure will be a very fulfilling meeting. These meetings play an important role in our professional lives, but no role is as important as that of presenting our association and all that it has to offer to our younger members. I recall the excitement that I experienced in attending my first meeting and I encourage all of our more senior members (that’s anyone who is beyond their first year of membership) to make a special effort to welcome our newest and youngest members who may be attending for the first time. At the same time, I encourage our younger members, especially students, to introduce yourselves to these more senior members. It’s a big meeting but we are really a small and very friendly community.

The meetings have something to offer for everyone. My biggest frustration with our meetings is that I cannot be in several places at once to enjoy so many of the outstanding presentations and activities. There are two pre-conference workshops. The first addresses agri-food system transformation and globalization and the second addresses improving outreach impacts. There are three post-conference workshops addressing applications of behavioral and experimental economics, risk analysis, and an extension section tour. The pre- and post-conference workshops are ticketed items and I encourage you to inquire at the registration desk if you are interested in attending.

I am very excited that we have my former professor and current colleague and dear friend, David Dickey, as our Sunday night keynote speaker. Dave is one of the most highly cited scholars working in quantitative economics and needs no professional introduction. Let me just say this — I had the exceptional good fortune to have Dave as a teacher of statistics many years ago and he has been a professional colleague, mentor, and collaborator ever since. He is one of the best speakers that I have ever had the pleasure of listening to. He is a favorite of students and colleagues alike at NCSU and I encourage you to attend his presentation and to avail yourself an opportunity to meet Dave in person. He is a wonderful man and I am sure he would enjoy meeting you.

I am also very pleased that Dan Sumner, another former professor as well as long-time friend and collaborator will be presenting the Fellow’s address Tuesday morning. I owe much of my research career to my earliest days as a student working with Dan. My first experience at the AAEA meetings occurred as I presented a paper that I had written with Dan (and the share of authorship there was 1% Goodwin and 99% Sumner). Dan is the consummate economist and is one of the great stars of our profession. I’ve been accused of stacking the program with my old professors. Indeed, it might be true, but I promise that you will greatly enjoy these presentations!

We are also very pleased to have Professor Anne Case of Princeton as our Galbraith Forum Speaker. Dr. Case has published extensively in the fields of development, public economics, and health and has been the co-recipient of the Kenneth J. Arrow Award in Health Economics. We are thrilled that Dr. Case is joining us and we very much look forward to what we know will be an informative and enjoyable presentation.

I am very much looking forward to passing the torch and gavel to Jill McCluskey, our incoming AAEA President. Jill will present the President’s Address Monday morning immediately following the business meeting. Jill is an excellent speaker with a very keen intellect and we are all looking forward to her message.

In addition to these exciting plenary speakers, we have a full program of selected presentations (papers and posters). Everyone is encouraged to attend the Awards and Fellows Recognition Ceremony, one of the most exciting and meaningful activities of the Association. On Monday, the COSBAE, CWAE, and Extension Sections have a luncheon at which Secretary Karen Ross, who leads the California Department of Food and Agriculture, is a featured speaker. The International Section and IATRC have a banquet Monday night at which Dr. David Lobell of Stanford, who is a prolific writer on climate change issues, will be the featured speaker. Dr. Lobell has written extensively on the relationship of crop yields to climate and will give a presentation entitled “Rethinking Climate Adaptation.” Like all good topics, the subject is one of controversy and should make for some fascinating discussion.

There is so much more that I would love to tell you about these meetings but rather than run on and on, I encourage you to dive into this program. I want to thank all of my volunteers and professional staff members for their devoted contributions of time and energy to make these meetings a success. Our partners at EDI, led by Brian Mondragón Jones and Dave Baumann, merit particular thanks for keeping the train on the tracks and making this event a reality. Thanks guys!

Enjoy the meeting!

Barry Goodwin
AAEA President

Welcome to San Francisco, CA!
Welcome to San Francisco, CA!

WAEA PRESIDENT’S MESSAGE

Welcome to the joint meeting with AAEA and WAEA in San Francisco!

The sessions, posters, symposia, student activities, and networking opportunities at this year’s meeting look to be exceptional. Our world is overflowing with important and critical issues that will be discussed over the course of the meeting. Take the opportunity to immerse yourself in these discussions and engage others while supporting association events.

On Monday afternoon Dr. Terry McElwain of Washington State University, an international expert on infectious diseases and a member of the National Academies of Science, will be providing the WAEA Keynote Address focusing on Global Health: The Role of Food and Agriculture. Dr. McElwain is part of a transdisciplinary team – including economists - at the interface of human and animal diseases backed up with empirical evidence from an extensive modeling platform in eastern Africa.

Over lunch on Tuesday, incoming president Dr. Dawn Thilmany McFadden from Colorado State University will be providing the WAEA Presidential Address “The Role of Economics in Multifunctional Food Supply Chains.” This will be followed by the WAEA awards ceremony recognizing this year’s outstanding research, teaching, and extension, including honoring the new WAEA Fellows. The event will end with a brief WAEA business meeting. Please support your friends and colleagues by attending this important event.

WAEA and AAEA members are provided additional events in the form of track sessions, as well as pre- or post-conference workshops. This means there is plenty of variety and topics to fit one’s interest, stimulate new ideas, connect with new acquaintances, or catch up with old colleagues.

I appreciate the opportunity to serve this year as WAEA president. The organization has dedicated and outstanding members that make it such an enduring and successful association. A special thanks to past officers and current board members, editorial staff, as well as other committee members. I would also like to acknowledge all the AAEA staff that work hard year around to make the meetings possible. Finally welcome to new members, especially students and young professionals. I hope the meetings are fulfilling both professionally and personally.

Tom Marsh
WAEA President
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The mobile app has many great features including:

- **My Schedule** – add sessions and events right onto your personal schedule.
- **Session Participants** – search and browse session participants including presenters, moderators, panelists, and more.
- **Twitter Feed** – to join the conversation, follow @AAEA_Economics and use #AAEA2015.
- **Friends** – meet and connect with other Joint Annual Meeting attendees.
- **All this and much more!**

Wi-Fi Network: Marriott Conference
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JOURNAL OF AGRICULTURAL AND RESOURCE ECONOMICS (JARE)

Editor:
Chris McIntosh, University of Idaho
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 San Francisco. The committee, with the help of dozens of topic leaders and over three hundred reviewers fielded over 1200 abstracts to create the topically diverse, high quality sessions that will be presented over the course of the 2015 Joint Annual Meeting.

Chair: Peyton Ferrier, USDA-Economic Research Service
Luisa Menapace, University of Trento
Jerome Dumortier, Indiana University – Purdue University Indianapolis
Gary Williams, Texas A&M University
Jason Grant, Virginia Tech

Topic Leaders:
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Mindy Mallory, University of Illinois at Urbana-Champaign
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Joleen Hadrich, Colorado State University
Gregory Colson, University of Georgia
Collin Payne, New Mexico State University
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Alison Davis, University of Kentucky
Alicia Rosburg, University of Northern Iowa

Thank you to all the 2015 AAEA & WAEA Joint Annual Meeting Reviewers! This year, AAEA had over 300 Selected Presentation reviewers. This meeting would not be possible without the help of these volunteers.

For our second year, AAEA enlisted the help from volunteer Selected Presentation Paper poster reviewers. We asked that these moderators be actively engaged and foster discussion during their session. Thank you to all of the volunteer moderators!

New this year, AAEA enlisted the help from volunteer Selected Presentation Poster reviewers. These reviewers where each assigned posters to review onsite in San Francisco and provide their feedback to the poster author. Thank you for volunteering poster reviewers!
Meeting Information

REGISTRATION DESK HOURS

Marriott Marquis, Lower B2 Level, North Registration

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

WI-FI ACCESS

AAEA is providing free Wi-Fi access in the Marriott Marquis meeting space for all 2015 Joint Annual Meeting attendees.

Wi-Fi Network: Marriott Conference
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ACCESSIBILITY

In accordance with the Americans with Disabilities Act, please inform an AAEA staff member if you need special assistance. Staff members are available on site at the Registration Desk to assist you.

GUESTS

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

TAPING OF SESSIONS

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

OTHER EVENTS

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

AAEA is committed to the “True Cost Pledge.” The association attests that the fee associated with each event is the true cost of the price to cover that event.

ASSOCIATION PHOTOGRAPHER

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

THANK YOU!

AAEA Trust
- AAEA Student & Early Career Professional Travel Grants
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- AARES-AAEA Young Professional Exchange Program (Heading North/Heading South)
- Post-conference Workshop: Applying Behavioral and Experimental Economics to Food and Agri-Environmental Issues
- SS-AAEA Spreadsheet Competition

Cornell Center for Behavioral Economics in Child Nutrition Programs (Cornell BEN Center)
- Post-conference Workshop: Applying Behavioral and Experimental Economics to Food and Agri-Environmental Issues

farmdoc DAILY
- Extension Reception

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

International Agricultural Trade Research Consortium (IATRC)
- International Section and IATRC Speaker Series & Banquet

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

Southern Risk Management Education Center (SRMEC)-University of Arkansas
- COSBAE, CWAE, and Extension Section Speaker Series & Luncheon

United States Department of Agriculture-Center for Behavioral and Agrienvironmental Policy Research (USDA-CBAER)
- Post-conference Workshop: Applying Behavioral and Experimental Economics to Food and Agri-Environmental Issues

United States Department of Agriculture-Economic Research Service (USDA-ERS)
- Galbraith Forum
- Post-conference Workshop: Applying Behavioral and Experimental Economics to Food and Agri-Environmental Issues
Exhibitors — Yerba Buena Grand Assembly, B2 Level

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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.

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USDA, National Agricultural Statistic Services (NASS) disseminates date on every facet of US agriculture. The agency conducts hundreds of surveys and issues 400 reports annually. NASS also conducts the Census of Agriculture every five years, providing the only source of detailed agricultural date for every county in the nation. NASS reports are available at www.nass.usda.gov.

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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 US Department of Agriculture.

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.

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 5th 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.

MICROSOFT
The USDA and Microsoft will showcase the Innovation Challenge and demonstrate the available USDA datasets through a new USDA Farm Data Dashboard. They will also describe the services available to Challenge respondents and be on-hand to discuss usage scenarios with potential entrants. The competition is open to anyone. In addition, Microsoft Azure cloud computing awards are available to support compelling Universities or Research Institutes looking to participate and in need of computing infrastructure. More details of the challenge, of how to sign-up and how to request resources can be found at http://usdaapps.challengepost.com.
Undergraduate Recruitment Fair

Monday, July 27, 8:00 am–4:00 pm
Marriott Marquis, Pacific ABC Foyer, Fourth Level

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

PARTICIPATING ORGANIZATIONS INCLUDE:

- Oklahoma State University
- Morrison School of Agribusiness/W.P. Carey School of Business
- Purdue University
- University of Arkansas
- University of Georgia

Crop Insurance and the 2014 Farm Bill: Reports and Analyses from the Field

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Plenary Sessions

AAEA KEYNOTE ADDRESS

Sunday, July 26, 6:00 pm–7:00 pm
Yerba Buena Ballroom - Salon 9, Lower B2 Level

David Dickey, North Carolina State University and William Neal Reynolds Professor of Statistics
“Greatest Hits of Unit Roots”

David A. Dickey received his PhD in statistics from Iowa State University in 1976 working with Wayne A. Fuller. Their “Dickey-Fuller test,” a check for stationarity of time series, has become a staple in econometric time series methodology. Except for a one year sabbatical leave at the US Census Bureau, Dave spent his entire career at North Carolina State University (NCSU) in the Department of Statistics where he now holds the title William Neal Reynolds Distinguished Professor. He was elected to the NCSU Academy of Outstanding Teachers, the Academy of Outstanding Faculty Engaged in Extension, and was given the Outstanding Extension Service Award for his consulting work with the College of Agriculture and Life Sciences and his teaching of general methodology courses.

Dickey is a Fellow of the American Statistical Association. He is a founding faculty member of the NCSU Institute for Advanced Analytics in which he teaches data mining. Other teaching at NCSU State includes experimental design and time series. Dave has been a contract instructor for SAS Institute since 1981 teaching short courses for SAS worldwide and was recently awarded the SAS Distinguished Professor Award. He is a frequent speaker at the SAS Global Forum and regional user group meetings. He has co-written several statistics books and dozens of statistical papers, the best known of which are papers on stationarity testing in Econometrika, J. American Statistical Association, and Biometrika. Dave has an Associate status in the Department of Agriculture and Resource Economics at NCSU and serves on many graduate committees there.

AAEA PRESIDENTIAL ADDRESS

Monday, July 27, 8:30 am–9:30 am
Yerba Buena Ballroom - Salon 9, Lower B2 Level

Jill McCluskey, Washington State University
“Diversify or Die: How Increasing Diversity of People and Ideas Can Make Us More Competitive”

Jill J. McCluskey is SES Professor of Sustainability and Chair of Graduate Studies in the School of Economic Sciences at Washington State University. She teaches primarily at the graduate level on topics related to industrial organization. She is one of the leading experts internationally on the economics of sustainable labeling and consumer preferences for new technology. Her research more generally focuses on the economics of food quality and labeling, firm incentives, and consumer perceptions and behavior. She has published almost 100 articles, which are widely cited. Her work with graduate student advisees has resulted in national awards. Her research has been funded by many external sources, including the USDA and NSF. She completed sabbaticals at the Carson College of Business at WSU and at the Dyson School of Applied Economics and Management at Cornell University. She has served on many editorial boards and has guest edited for a number of journals. She has served in leadership positions for the AAEA and other organizations in a variety of ways, including as Director on the Executive Board (2005-08), as Chair of FAMPS (2010-13), on the section executive leadership committees for FAMPS (2006-07), Food Safety and Nutrition (2002-04), and Econometrics (2007-09), on numerous AAEA committees, and as Associate Editor for the American Journal of Agricultural Economics. She holds a Ph.D. in Agricultural and Resource Economics from the University of California, Berkeley with fields in economic theory, industrial organization, and environmental and resource economics.
Plenary Sessions

WAEA KEYNOTE ADDRESS

Monday, July 27, 4:30 pm–6:00 pm
Salon 2, Lower B2 Level

Terry McElwain, Washington State University
“Global Health: The Role of Food and Agriculture”

Dr. Terry McElwain is a Diplomate (1985) of the American College of Veterinary Pathologists and member of the National Academies of Science. In 2009, he was elected to the National Academy of Sciences, Institute of Medicine. Few in the agricultural economics profession ever achieve this. Dr. McElwain holds an academic appointment as Regents Professor at Washington State University and until recently served as Associate Director of the Paul G. Allen School for Global Animal Health. He has also served as Director (1993-2001) and Executive Director (2001-2015) of the Washington Animal Disease Diagnostic Laboratory, a state, regional and national diagnostic facility for animal and zoonotic diseases and core reference laboratory in the National Animal Health Laboratory Network (NAHLN) and Laboratory Response Network for Bioterrorism (LRN). He is recognized internationally for his expertise in global disease surveillance, and is a Fellow in the American Association for the Advancement of Science. Dr. McElwain was instrumental in founding the Paul G. Allen School for Global Animal Health at Washington State University. He heads the Africa programs for the Allen School, and has over 25 years of experience working internationally in East and Southern Africa.

AAEA FELLOWS ADDRESS

Tuesday, July 28, 8:30 am–9:30 am
Yerba Buena Ballroom - Salon 9, Lower B2 Level

Daniel Sumner, University of California, Davis
“The Economic Consequences of Food Non-Sense”

Daniel A. Sumner is Director of the University of California Agricultural Issues Center and the Frank Buck Professor in the Department of Agricultural and Resource Economics, University of California, Davis (UC Davis). In addition to research, teaching and public service, Sumner directs a multidisciplinary multi-campus outreach program. Before returning to California, Sumner was the USDA Assistant Secretary for Economics, a Senior Economist at the President’s Council of Economic Advisers, and a professor at North Carolina State University. Sumner has been the Chair of the International Agricultural Trade Research Consortium (IATRC), an associate editor AJAE and other journals, and a chair and member of several AAEA committees. His work has won many awards for policy contribution, research quality and effective communication. He is a Fellow of the AAEA. He is most proud of the accomplishments of his many distinguished students. Sumner received degrees from California Polytechnic University, San Louis Obispo and Michigan State University, and his PhD in economics from the University of Chicago.

WAEA PRESIDENTIAL ADDRESS/BUSINESS MEETING/AWARDS CEREMONY

Tuesday, July 28, 11:30 am–12:45 pm
Yerba Buena Ballroom - Salon 9, Lower B2 Level

Dawn Thilmany McFadden, Colorado State University
“The Role of Economics in Multifunctional Food Supply Chains”

Dawn Thilmany McFadden is a Professor of Agribusiness and Agribusiness Extension Economist with Colorado State University, serving in that role since 1997, and specializes in analyzing markets and consumer behavior surrounding local, organic and other value-added food market segments. She has published over 75 journal articles on consumer behavior, agricultural markets and food systems, and presented similar material to over 200 Extension audiences. She is on the leadership team of the CSU Extension Food Systems work team and Chairs the Colorado Food Systems Advisory Council. Currently, she serves the USDA by sitting on the Secretary’s Advisory Board on Research, Extension, Education and Economics. She has served on Boards and in leadership positions with the Agricultural and Applied Economics Association, the Western Agricultural Economics Association, is incoming-President of the Food Distribution Research Society and several regional research committees.
Plenary Sessions

AAEA GALBRAITH FORUM
Tuesday, July 28, 6:15 pm–7:15 pm
Yerba Buena Ballroom - Salon 9, Lower B2 Level

Anne Case, Princeton University
"Is 50 the New 80? Taking The Measure Of Mid-Life Health and Wellbeing"

Anne Case is the Alexander Stewart 1886 Professor of Economics and Public Affairs at Princeton University, where she is the Director of the Research Program in Development Studies. Dr. Case has published extensively in the fields of development, public economics and health. Her recent work examines the effects of HIV and AIDS on health service delivery in Africa; the impact of orphanhood on children's outcomes; social determinants of childhood health; and the impact of early life health and nutrition on health and cognitive function over the life course. She has been the recipient (with Christina Paxson) of the Kenneth J. Arrow Award in Health Economics. Dr. Case currently serves as a board member of the United Nations University World Institute for Development Economics Research (UNU-WIDER) and as a member of the Advisory Council for the Eunice Kennedy Shriver National Institute of Child Health and Human Development. She is an Affiliate with the Southern Africa Labour and Development Research Unit (SALDRU) at the University of Cape Town, and a Fellow of the Econometric Society.

WAEA EVENTS

WAEA KEYNOTE ADDRESS
Monday, July 27, 4:30 pm–6:00 pm
Salon 2, Lower B2 Level

Terry McElwain, Washington State University
"Global Health: The Role of Food and Agriculture"

Dr. Terry McElwain is a Diplomate (1985) of the American College of Veterinary Pathologists and member of the National Academies of Science. In 2009, he was elected to the National Academy of Sciences, Institute of Medicine. Few in the Agricultural Economics profession ever achieve this status. Dr. McElwain holds an academic appointment as Regents Professor at Washington State University and until recently served as Associate Director of the Paul G. Allen School for Global Animal Health. He has also served as Director (1993-2001) and Executive Director (2001-2015) of the Washington Animal Disease Diagnostic Laboratory, a state, regional and national diagnostic facility for animal and zoonotic diseases and core reference laboratory in the National Animal Health Laboratory Network (NAHLN) and Laboratory Response Network for Bioterrorism (LRN). He is recognized internationally for his expertise in global disease surveillance, and is a Fellow in the American Association for the Advancement of Science. Dr. McElwain was instrumental in founding the Paul G. Allen School for Global Animal Health at Washington State University. He heads the Africa programs for the Allen School, and has over 25 years of experience working internationally in East and Southern Africa.

WAEA PRESIDENTIAL ADDRESS/BUSINESS MEETING/AWARDS CEREMONY
Tuesday, July 28, 11:30 am–12:45 pm
Yerba Buena Ballroom - Salon 9, Lower B2 Level

Dawn Thilmany McFadden, Colorado State University
“The Role of Economics in Multifunctional Food Supply Chains”

Dawn Thilmany McFadden is a Professor of Agribusiness and Agribusiness Extension Economist with Colorado State University, serving in that role since 1997, and specializes in analyzing markets and consumer behavior surrounding local, organic and other value-added food market segments. She has published over 75 journal articles on consumer behavior, agricultural markets and food systems, and presented similar material to over 200 Extension audiences. She is on the leadership team of the CSU Extension Food Systems work team and Chairs the Colorado Food Systems Advisory Council. Currently, she serves the USDA by sitting on the Secretary's Advisory Board on Research, Extension, Education and Economics. She has served on Boards and in leadership positions with the Agricultural and Applied Economics Association, the Western Agricultural Economics Association, is incoming-President of the Food Distribution Research Society and several regional research committees.
Water Markets in the Western United States: Supply Challenges and Frictions
Salon 2, Lower B2 Level

Organized Symposium – WAEA
This symposium includes four short presentations based on papers examining how policies can be used to optimize agricultural and urban uses of water and the larger implication these policies have for success of water markets: Sustainable Management of Groundwater in California: Buffer Stocks and Stabilization; Water storage and water markets as technical substitutes for drought risk mitigation; The Effect of Water Institutions on the Value of Water Storage in the West: Lessons from the Colorado-Big Thompson Project; and Saving Colorado Agriculture, One Gallon at a Time: A Latent Class Model of Heterogeneous Preferences for Water Policies and Their Impacts.

Organizer: Marco Costanigro, Colorado State University
Moderator: Christopher Goemans, Colorado State University

Sustainable Management of Groundwater in California
Duncan MacEwan, ERA Economics; Richard Howitt, University of California, Davis

Water Storage and Water Markets as Technical Substitutes for Drought Risk Mitigation
Jonathan Yoder, Washington State University; Michael Brady, Washington State University; Joseph Cook, University of Washington

The Effect of Water Institutions on the Value of Water Storage in the West: Lessons from the Colorado-Big Thompson Project
Alexander Maas, Colorado State University; Andre Dozier, Colorado State University; Dale Manning, Colorado State University; Christopher Goemans, Colorado State University

Saving Colorado Agriculture, One Gallon at a Time: A Latent Class Model of Heterogeneous Preferences for Water Policies and Their Impacts
Janine Stone, Colorado State University; Marco Costanigro, Colorado State University; Christopher Goemans, Colorado State University
Speaker Series Events

*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.

COSBAE,CWAE, & EXTENSION SECTION SPEAKER SERIES & LUNCHEON

Monday, July 27, 11:30 am–1:00 pm
Yerba Buena Ballroom - Salon 9, Lower B2 Level
* This is a ticketed event; the cost to attend is $78.

Karen Ross, California Department of Food and Agriculture

Karen Ross was appointed Secretary of the California Department of Food and Agriculture on January 12, 2011 by Governor Edmund G. Brown Jr. Secretary Ross has deep leadership experience in agricultural issues nationally, internationally, and here in California. Prior to joining CDFA, Secretary Ross was chief of staff for US Agriculture Secretary Tom Vilsack, a position she accepted in 2009. Before her time at the United States Department of Agriculture, Secretary Ross served more than thirteen years as President of the California Association of Winegrape Growers (CAWG), based in Sacramento. During that same period she served as the Executive Director of Winegrape Growers of America, a coalition of state winegrower organizations, and as Executive Director of the California Wine Grape Growers Foundation, which sponsors scholarships for the children of vineyard employees. Among Secretary Ross’ many achievements at CAWG was the creation of the nationally-recognized Sustainable Winegrowing Program, which assists wine grape growers in maintaining the long-term viability of agricultural lands and encourages them to provide leadership in protecting the environment, conserving natural resources, and enhancing their local communities.

INTERNATIONAL SECTION & IATRC SPEAKER SERIES AND BANQUET

Monday, July 27, 8:00 pm–9:30 pm
Club Room, Second Level
* This is a ticketed event; the cost to attend is $78 for professionals and $58 for students

David Lobell, Stanford University, “Rethinking Climate Adaptation”

David Lobell is an Associate Professor at Stanford University in the Department of Earth System Science, Senior Fellow at the Woods and Freeman Spogli Institutes, and Deputy Director of Stanford’s Center on Food Security and the Environment. His research focuses on identifying opportunities to raise crop yields in major agricultural regions, and uses a combination of big datasets, statistics, and model simulations. He has been recognized with a Macarthur Fellowship in 2013, a McMaster Fellowship from Commonwealth Scientific and Industrial Research Organization (CSIRO) in 2014, and the Macelwane Medal from the American Geophysical Union in 2010. He also served as lead author for the food chapter and core writing team member for the Summary for Policymakers in the recent Intergovernmental Panel on Climate Change (IPCC) Fifth Assessment Report. Dr. Lobell received a PhD in Geological and Environmental Sciences from Stanford in 2005, and a Sc.B. in Applied Mathematics from Brown University in 2000.
Meeting Timeline

Saturday, July 25

8:00 am–3:00 pm
Mentorship Workshop
Pacific I, Fourth Level

8:30 am–6:30 pm
Pre-conference Workshop: Rapid AgriFood System Transformation, Globalization, and International Development
*Ticketed Event*
Golden Gate A, B2 Level

1:00 pm–2:00 pm
Government Relations Committee Meeting
Pacific J, Fourth Level

1:00 pm–5:00 pm
Pre-conference Workshop: Improving the Impact of Your Work through Outreach
*Ticketed Event*
Pacific H, Fourth Level

4:00 pm–6:00 pm
Association Roundtable
Pacific J, Fourth Level

Sunday, July 26

Registration Desk Hours: 7:30 am–7:30 pm – North Registration, Lower B2 Level
Employment Center Hours: 9:30 am–5:00 pm – Yerba Buena Ballroom – Salons 10-15, Lower B2 Level
Professional Headshots Hours: 1:00 pm–5:00 pm – Yerba Buena General Assembly, Lower B2 Level

7:30 am–9:00 am
Section Leader Meeting
Sierra A, Fifth Level

8:00 am–10:00 pm
C-FARE Blue Ribbon Panel
Pacific, Fourth Level

8:00 am–1:30 pm
AJAE Editors’ Meeting
Sierra D, Fifth Level

8:00 am–3:00 pm
GSS Extension Competition
Pacific E, Fourth Level

8:00 am–3:00 pm
GSS Case Study Competition
Pacific A, Pacific B and Pacific C, Fourth Level

9:00 am–10:30 am
FSN Section Business Meeting
Sierra A, Fifth Level
Meeting Timeline

9:30 am–10:30 am
Mentorship Committee Meeting
Sierra C, Fifth Level

10:00 am–11:00 am
ARA Section Business Meeting
Sierra E, Fifth Level

10:00 am–11:00 am
ESIRC Committee Meeting
Sierra H, Fifth Level

10:00 am–12:00 pm
CWAE Section Business Meeting
Sierra F, Fifth Level

11:00 am–12:00 pm
COSBAE Section Business Meeting
Sierra A, Fifth Level

11:00 am–12:00 pm
Communications Committee Meeting
Sierra B, Fifth Level

4:00 pm–5:00 pm
Australasia Section Business Meeting
Sierra D, Fifth Level

11:30 am–12:00 pm
Employment Services Committee Meeting
Yerba Buena Ballroom – Salons 10-15, Lower B2 Level

11:30 am–12:30 pm
Africa Section Business Meeting
Sierra H, Fifth Level

11:30 am–12:30 pm
AEPP Editorial Board Meeting
Sierra E, Fifth Level

12:00 pm–12:45 pm
Choices Editorial Board Meeting
Sierra B, Fifth Level

12:00 pm–12:45 pm
USDA Innovation Challenge 2015
Pacific H, Fourth Level (See page 45 for more information)

12:00 pm–1:00 pm
AAEA Trust Committee Meeting
Sierra C, Fifth Level

12:00 pm–2:00 pm
EOHDS Spreadsheet Competition
Pacific F, Fourth Level
# Meeting Timeline

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<th>Time</th>
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<td>12:30 pm–1:30 pm</td>
<td>AFM Section Business Meeting</td>
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<td>12:30 pm–2:00 pm</td>
<td>TLC Section Business Meeting</td>
<td>Sierra H, Fifth Level</td>
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<tr>
<td>1:00 pm–2:30 pm</td>
<td>International Section Business Meeting</td>
<td>Sierra C, Fifth Level</td>
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<tr>
<td>1:00 pm–2:30 pm</td>
<td>C-FARE Board Meeting</td>
<td>Pacific I, Fourth Level</td>
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<tr>
<td>1:00 pm–3:00 pm</td>
<td>NAAEA Business Meeting</td>
<td>Pacific H, Fourth Level</td>
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<tr>
<td>1:15 pm–2:15 pm</td>
<td>Membership Committee Meeting</td>
<td>Sierra E, Fifth Level</td>
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<tr>
<td>1:30 pm–2:30 pm</td>
<td>AJAE Editorial Board Meeting</td>
<td>Sierra D, Fifth Level</td>
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<tr>
<td>2:00 pm–3:00 pm</td>
<td>ENV Section Business Meeting</td>
<td>Sierra A, Fifth Level</td>
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<tr>
<td>2:00 pm–3:00 pm</td>
<td>Econometrics Section Business Meeting</td>
<td>Sierra F, Fifth Level</td>
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<tr>
<td>2:30 pm–3:30 pm</td>
<td>Related Journal Editors’ Meeting</td>
<td>Sierra D, Fifth Level</td>
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<tr>
<td>2:30 pm–3:30 pm</td>
<td>Finance Committee Meeting</td>
<td>Sierra C, Fifth Level</td>
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<tr>
<td>2:30 pm–4:30 pm</td>
<td>Latin American Section Business Meeting &amp; Reception</td>
<td>Sierra H, Fifth Level</td>
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<tr>
<td>3:00 pm–4:00 pm</td>
<td>CRENET Section Business Meeting</td>
<td>Sierra E, Fifth Level</td>
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<tr>
<td>3:00 pm–4:00 pm</td>
<td>AEM Section Business Meeting</td>
<td>Sierra A, Fifth Level</td>
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### Meeting Timeline

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<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
<th>Location</th>
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<tbody>
<tr>
<td>3:00 pm–5:00 pm</td>
<td>Extension Section Business Meeting</td>
<td>Sierra I, Fifth Level</td>
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<tr>
<td>3:00 pm–5:30 pm</td>
<td>Student Section Paper Competition</td>
<td>Pacific F, Fourth Level</td>
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<tr>
<td>3:30 pm–4:30 pm</td>
<td>Publications Committee Meeting</td>
<td>Sierra B, Fifth Level</td>
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<tr>
<td>3:30 pm–4:30 pm</td>
<td>Mentoring Recognition Reception</td>
<td>Nob Hill AB, Lower B2 Level</td>
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<tr>
<td>4:00 pm–5:00 pm</td>
<td>FAMPS Section Business Meeting and Reception</td>
<td>Sierra F, Fifth Level</td>
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<tr>
<td>4:00 pm–5:00 pm</td>
<td>Senior Section Business Meeting and Reception</td>
<td>Sierra C, Fifth Level</td>
</tr>
<tr>
<td>4:30 pm–5:30 pm</td>
<td>Early Career Professionals Networking Reception</td>
<td>Yerba Buena Ballroom – Salons 5-6, Lower B2 Level</td>
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<tr>
<td>5:00 pm–6:00 pm</td>
<td>Extension Section Reception</td>
<td>Yerba Buena Ballroom – Salon 1, Lower B2 Level</td>
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<tr>
<td>5:00 pm–6:00 pm</td>
<td>CWAE Section Reception</td>
<td>Yerba Buena Ballroom – Salon 2, Lower B2 Level</td>
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<tr>
<td>5:00 pm–6:00 pm</td>
<td>COSBAE Section Reception</td>
<td>Yerba Buena Ballroom – Salon 3, Lower B2 Level</td>
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<tr>
<td>5:00 pm–6:00 pm</td>
<td>AEM Section Reception</td>
<td>Yerba Buena Ballroom – Salon 4, Lower B2 Level</td>
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<tr>
<td>5:00 pm–6:00 pm</td>
<td>China Section Business Meeting and Reception</td>
<td>Nob Hill AB, Lower B2 Level</td>
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<tr>
<td>6:00 pm–7:00 pm</td>
<td>Keynote Address: David Dickey, North Carolina State University</td>
<td>Yerba Buena Ballroom – Salon 9, Lower B2 Level</td>
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<tr>
<td>7:00 pm–9:00 pm</td>
<td>SS-AAEA Student Mixer and Academic Bowl Orientation</td>
<td>Yerba Buena Ballroom – Salons 5-6, Lower B2 Level</td>
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Meeting Timeline

7:00 pm–8:00 pm  
Poster Reception  
Yerba Buena Ballroom – Salons 7-8, Lower B2 Level

8:00 pm–10:00 pm  
Welcome Reception  
Yerba Buena Grand Assembly, Lower B2 Level

Monday, July 27

Registration Desk Hours: 7:30 am–5:00 pm – North Registration, Lower B2 Level  
Employment Center Hours: 9:30 am–5:00 pm – Yerba Buena Ballroom – Salons 10-15, Lower B2 Level  
Exhibit Booth Hours: 8:00 am–4:00 pm – Yerba Buena Grand Assembly, Lower B2 Level  
Poster Hall Hours: 8:00 am–4:00 pm – Yerba Buena Ballroom – Salons 7-8, Lower B2 Level

8:00 am–8:30 am  
AAEA Business Meeting  
Yerba Buena Ballroom–Salon 9, Lower B2 Level

8:30 am–9:30 am  
AAEA Presidential Address: Jill McCluskey, Washington State University  
Yerba Buena Ballroom – Salon 9, Lower B2 Level

8:00 am–4:00 pm  
Undergraduate Recruitment Fair  
Pacific ABC Foyer, Fourth level

8:00 am–4:00 pm  
SS-AAEA Academic Bowl  
Pacific A, Pacific B, Pacific C, Fourth Level

9:45 am–11:15 am  
Concurrent Sessions (See pages 36-45)

11:30 am–1:00 pm  
Selected Poster Presentations (Odd Poster Numbers)  
Yerba Buena Ballroom – Salons 7-8, Lower B2 Level

11:30 am–1:00 pm  
COSBAE, CWAE, and Extension Section Speaker Series & Luncheon  
“Ticketed Event”  
Yerba Buena Ballroom – Salon 9, Lower B2 Level

1:00 pm–2:30 pm  
Concurrent Sessions (See pages 46-54)

1:30 pm–4:00 pm  
GSS Case Study Finals  
Pacific D and Pacific E, Fourth Level

2:45 pm–4:15 pm  
Concurrent Sessions (See pages 55-64)

4:30 pm–6:00 pm  
Concurrent Sessions (See pages 65-74)

6:00 pm–6:30 pm  
SS-AAEA Academic Bowl Finals  
Yerba Buena Ballroom – Salon 9, Lower B2 Level
## Meeting Timeline

### 6:30 pm – 7:45 pm
AAEA Awards & Fellows Recognition Ceremony  
*Yerba Buena Ballroom – Salon 9, Lower B2 Level*

### 7:30 pm – 8:00 pm
International Section Reception  
*Foothill E, Second Level*

### 8:00 pm – 9:00 pm
Student Section Business Meeting  
*Pacific F, Fourth Level*

### 8:00 pm – 9:30 pm
International Section and IATRC Speaker Series and Banquet  
*“Ticketed Event”*
*Club Room, Second Level*

### 8:30 pm – 9:30 pm
WAEA JARE Meeting  
*Pacific E, Fourth Level*

### 9:00 pm – 11:00 pm
Reunions and Receptions (See page 21)

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## Tuesday, July 28

**Registration Desk Hours:** 7:30 am – 4:00 pm – North Registration, Lower B2 Level  
**Employment Center Hours:** 9:30 am – 4:00 pm – Yerba Buena Ballroom – Salons 10-15 – Lower B2 Level  
**Exhibit Booth Hours:** 8:00 am – 4:00 pm – Yerba Buena Grand Assembly, Lower B2 Level  
**Poster Hall Hours:** 8:00 am – 2:00 pm – Yerba Buena Ballroom – Salons 7-8, Lower B2 Level

### 8:30 am – 9:30 am
AAEA Fellows Address: Daniel Sumner, University of California, Davis  
*Yerba Buena Ballroom – Salon 9*

### 9:45 am – 11:15 am
Concurrent Sessions (See pages 75-86)

### 11:15 am – 12:45 pm
Poster Presentations (Even Poster Numbers)  
*Yerba Buena Ballroom – Salons 7-8, Lower B2 Level*

### 11:15 am – 12:45 pm
Networking Lunch  
*Yerba Buena Grand Assembly, Lower B2 Level*

### 11:30 am – 12:30 pm
IBES Section Business Meeting  
*Yerba Buena Ballroom – Salon 6, Lower B2 Level*

### 11:30 am – 12:45 pm
WAEA Business Meeting and Awards Ceremony  
*Yerba Buena Ballroom – Salon 9, Lower B2 Level*

### 1:00 pm – 2:30 pm
Concurrent Sessions (See pages 87-96)
Meeting Timeline

2:45 pm–4:15 pm  
Concurrent Sessions (See pages 97-108)

4:30 pm–6:00 pm  
Concurrent Sessions (See pages 109-120)

6:15 pm–7:15 pm  
AAEA Galbraith Forum: Anne Case, Princeton University  
Yerba Buena Ballroom – Salon 9, Lower B2 Level

7:15 pm–8:15 pm  
Closing Reception  
Yerba Buena Ballroom – Salon 10-15, Lower B2 Level

Wednesday, July 29

7:00 am–6:00 pm  
Extension Section Post-conference Tour  
Off-site Tour

9:00 am–4:00 pm  
Post-conference Workshop: Simulation of Risk Analysis  
Nob Hill AB, Lower B2 Level

9:30 am–4:00 pm  
Post-conference Workshop: Applying Behavioral and Experimental Economics to Food and Agri-Environmental Issues  
Yerba Buena Ballroom – Salons 4-6, Lower B2 Level

Reunions & Receptions

Monday, 9:00 pm–11:00 pm

Yerba Buena Ballroom – Salons 1-6 and Nob Hill A, B, Lower B2 Level

Washington State University, Oregon State University, University of Idaho  
Yerba Buena Ballroom – Salon 1, Lower B2 Level

Giannini Foundation of Agricultural Economics, University of California, Berkeley  
University of California, Davis  
Yerba Buena Ballroom – Salon 2, Lower B2 Level

University of Missouri, Kansas State University, University of Nebraska, Oklahoma State University  
Yerba Buena Ballroom – Salon 3, Lower B2 Level

Louisiana State University, Texas A&M University, University of Arkansas, University of Georgia, University of Florida, Auburn University, University of Kentucky, Mississippi State University  
Yerba Buena Ballroom – Salon 4, Lower B2 Level

North Carolina State University, University of Maryland, Virginia Tech  
Yerba Buena Ballroom – Salon 5, Lower B2 Level

University of Illinois Urbana-Champaign, Purdue University, Michigan State University, The Ohio State University  
Yerba Buena Ballroom – Salon 6, Lower B2 Level

Cornell University, The Pennsylvania State University  
Nob Hill A, Lower B2 Level

Iowa State University, University of Minnesota, University of Wisconsin  
Nob Hill B, Lower B2 Level
Posters

Yerba Buena Ballroom – Salon 7-8, Lower B2 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.

### Agricultural Finance and Farm Management

1. A Choice Experiment to Examine Farmer Preferences for Joint Venture Farm Business Structures
   - Brendan Lynch, The University of Adelaide & CSIRO; Marit Ellen Kragt, University of Western Australia; Rick Llewellyn, CSIRO, Australia; **Wendy Unberger**, University of Adelaide

2. A Credit Migration Analysis of the Financial Vitality of Female and Racial Minority Borrowers of the Farm Service Agency under Recessionary Conditions
   - **Xiaofei Li**, University of Georgia; Cesar Escalante, University of Georgia

3. A Multiple Indicator-Multiple Causation Analysis of Pasture Management and Prescribed Grazing Practices by Beef Cattle Operators
   - Kristen Oliver, University of Tennessee; **Kimberly Jensen**, University of Tennessee; Dayton Lambert, University of Tennessee; Christopher Clark, University of Tennessee; Burton English, University of Tennessee; James Larson, University of Tennessee; Tun-Hsiang Yu, University of Tennessee; Chad Hellwinkel, University of Tennessee

4. Capital Structure in Agricultural Sole Proprietorships
   - **Michael Friis Pedersen**, University of Copenhagen

   - James Harris, USDA-Economic Research Service; Charles Hallahan, USDA-Economic Research Service; Sarah Tulman, USDA-Economic Research Service; **Kenneth Erickson**, USDA-Economic Research Service

6. Irrigation Adoption in Central North Dakota: A Real Options Approach
   - **Ryan Larsen**, North Dakota State University; David Ripplinger, North Dakota State University

   - **Kathleen Painter**, University of Idaho; Kendall Kahl, University of Idaho

8. Succession Planning and Perceived Obstacles and Attractions for Future Generations Entering Beef Cattle Production
   - **Lee Schulz**, Iowa State University; Patrick Gunn, Iowa State University; Georgeanne Artz, Iowa State University

   - **James Williamson**, USDA-Economic Research Service; Damona Doye, Oklahoma State University

10. The Role of Gender in US Agricultural Productivity
    - **Robert Williams**, USDA-Economic Research Service; James Harris, USDA-Economic Research Service; Ashok Mishra, Louisiana State University

### Agribusiness Economics and Management

    - **Jia Zhong**, The University of Tennessee, Knoxville; Tun-Hsiang Yu, University of Tennessee; Christopher Clark, University of Tennessee; Burton English, University of Tennessee; James Larson, University of Tennessee

13. Has the Spread of Glyphosate-Resistant Weeds Led to Higher Glyphosate Application Rates?
    - **Dallas Wood**, North Carolina State University

14. How to Manage Food Safety Scandals: The Case of 2013 Fonterra Recall
    - **Daniel Sumner**, University of California, Davis; Aaron Smith, University of California, Davis; Bo Xiong, University of California, Davis

15. Hybrid Rice Seed Adoption and the Potential for Genetically Modified Rice
    - **Rachael Brown**, University of Kentucky; William McBride, USDA-Economic Research Service

16. It is All about Location?: An Analysis of the Factors that Affect the Location Decision of Sugarcane Processing Mills in Goiás and Mato Grosso do Sul, Brazil
    - **Ana Claudia Sant’Anna**, Kansas State University; Gabriel Granco, Kansas State University; Jason Bergtold, Kansas State University; Marcellus Caldas, Kansas State University
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| 17 | Loftus Ranches: A Hop into the Future  
*David Widmar*, Purdue University; *Allan Gray*, Purdue University; *Michael Boehlje*, Purdue University |
| 18 | Reoptimization or Bias? Factors Affecting Changes in Production Decisions of Farmers  
*Joshua Woodard*, Cornell University; *Leslie Vertermano Chiu*, Cornell University; *Gabriel Power*, Laval University; *Dmitry Vedenov*, Texas A&M University; *Steven Klose*, Texas A&M University |
| 19 | Shelton’s Poultry: A Business Strategy Case Study  
*Benjamin Lehman*, California State Polytechnic University, Pomona; *Jon Phillips*, California State Polytechnic University, Pomona; *Abraham Gomez*, California State Polytechnic University, Pomona; *Cesar Martin*, California State Polytechnic University, Pomona; *Soraya Nolasco*, California State Polytechnic University, Pomona; *Chastity Rosales*, California State Polytechnic University, Pomona; *Bryce Van Helms*, California State Polytechnic University, Pomona; *Dennis Wu*, California State Polytechnic University, Pomona |
| 20 | Standing on the Shoulders of Giants: Coherence and Biotechnology Innovation Performance  
*Leonardo Sanchez*, The Littoral Polytechnic School; *Desmond Ng*, Texas A&M University |
| 21 | Understanding the Role of Government on Agri-food Private Standards in Developed Countries: Preliminary Empirical Evidence from Canada  
*Deepananda Herath*, Agriculture and Agri-Food Canada; *Samuel Bonti-Ankomah*, Agri-Food Canada |

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| 22 | A Framework for Coordinating Smallholder Production and Transactions in African Value Chains  
*Ryan Vroegindewey*, Michigan State University |
| 23 | Asymmetric Production Effects of Payment Supports: Evidence from the 2008 Farm Bill  
*Mesbah Motamed*, USDA-Economic Research Service |
| 24 | Can Institutions Resolve the Paradox of Choice? A Field Experiment on Craft Beer  
*Donald Malone, III*, Oklahoma State University; *Jayson Lusk*, Oklahoma State University |
| 25 | Greek-Style Yogurt as a Protein Alternative in Child Nutrition in the National School Lunch Program in the United States  
*Senarath Dharmasena*, Texas A&M University; *Peter Murano*, Texas A&M University |
| 26 | History, Culture and Contract Farming in West Africa  
*David Wuepper*, Technical University Munich; *Johannes Sauer*, Technical University Munich |
| 27 | Legume Adoption and Farmer Preferences for Crop System Attributes: Evidence from Malawi’s Central and Southern Regions  
*David Ortega*, Michigan State University; *Kurt Waldman*, Michigan State University; *Robert Richardson*, Michigan State University; *Daniel Clay*, Michigan State University |
| 28 | Massachusetts 2006 Health Insurance Reform: Analysis of the Source of Insurance Coverage  
*Mouhcine Guettabi*, University of Alaska; *Jeffrey Jordan*, University of Georgia; *Abdul Munasib*, University of Georgia; *Devesh Roy*, International Food Policy Research Institute |
| 29 | Nitrogen Decision Making under Uncertainty: Role of Subjective Beliefs  
*Sandip Agarwal*, Iowa State University; *Keri Jacobs*, Iowa State University; *Quinn Weninger*, Iowa State University |
| 30 | Radioactively Contaminated? Seafood Preferences among Japanese after the Fukushima Nuclear Disaster  
*Koichi Yamaura*, Tokyo University of Agriculture and Technology; *Hikaru Hanawa Peterson*, Kansas State University |
| 31 | The Reference Price Effect on Crop Producers Hedging Behaviors  
*Ziran Li*, Iowa State University; *Dermot Hayes*, Iowa State University |

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| 32 | An Evaluation of Price Forecasts of the Cattle Market under Structural Changes  
*Selin Guney*, North Carolina State University; *Barry Goodwin*, North Carolina State University |
| 33 | Causal Relationships among World Fertilizer Markets  
*Seon Woong Kim*, Oklahoma State University; *Wade Brorsen*, Oklahoma State University |
| 34 | Data Collection Period and Food Demand System Estimation using Cross Sectional Data  
*Tullaya Boonsaeng*, Texas Tech University; *Carlos Carpio*, Texas Tech University |
Posters

35 Dependence in Spikes of Energy and Agricultural Prices
   **Austin Ramsey**, North Carolina State University

36 Demand Spillovers of Food Recalls in Differentiated Product Markets
   **Jeta Rudi**, University of Minnesota; Metin Cakir, University of Minnesota

37 Diesel Fuel Price Elasticities in the US Trucking Industry
   **Jen He**, University of Maryland

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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.

SELECTED PRESENTATION LIGHTNING SESSION
Lightning sessions includes 8 Selected Paper Presentations. Each presenter will have 9 minutes to present and discuss their paper.

SELECTED PRESENTATIONS
The term “Selected Presentations” refers collectively to Selected Papers and Selected Posters. Selected Paper Sessions include up to four paper presentations. Each paper presentation is given 20 minutes; 15 minutes to present and five minutes for discussion. A listing of sessions by subject can be found on page 121.

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 on page (xyz).

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.
1001 The When, Where and How of SNAP Spending: New Evidence from the Food Acquisition and Purchase Survey (FoodAPS)
Salon 1, Lower B2 Level
Invited Paper
The Supplemental Nutrition Assistance Program (SNAP) is the nation's largest nutritional safety net, providing over 45 million Americans with a monthly benefit aimed at enhancing participants’ diets. Although SNAP increases monthly food spending, this does not necessarily translate into improved diets. This session provides new insights into food purchasing decisions of low-income households using a unique dataset—The National Food Acquisition and Purchase Survey (FoodAPS). The three papers in this session appeal to those interested in understanding how both behavioral and environmental factors influence individual budgeting as well as determinants of store choice.
Organizers: Joshua Berning, University of Georgia; Gregory Colson, University of Georgia; Jeffrey Dorfman, University of Georgia; Travis Smith, University of Georgia
Moderator: Joshua Berning, University of Georgia
Discussant: Craig Gundersen, University of Illinois at Urbana-Champaign
The Effects of Benefit Timing and Income Fungibility on Food Purchasing Decisions among SNAP Households
Joshua Berning, University of Georgia; Gregory Colson, University of Georgia; Jeffrey Dorfman, University of Georgia; Travis Smith, University of Georgia; Xiaosi Yang, University of Georgia
SNAP Benefit Timing, the Food Retail Environment, and Household Financial Practices and Their Relationship to Food Acquisitions
Jessica Todd, USDA-Economic Research Service; Lisa Mancino, USDA-Economic Research Service; Michele Ver Ploeg, USDA-Economic Research Service
If You Build It, Will They Come? Store Choice Determinants among SNAP and Low-Income Households
Sofia Villas-Boas, University of California, Berkeley; Rebecca Taylor, University of California, Berkeley

Salon 2, Lower B2 Level
Organized Symposium
In September 2014, an external review committee recommended a number of changes in procedures used to develop and communicate the USDA agricultural productivity accounts produced by the Economic Research Service. ERS has subsequently implemented some of the recommendations, made plans with regard to others, and seeks further input on how to most effectively deal with the remainder. This symposium will provide an opportunity for broad engagement with the profession about the committee's recommendations, ERS's planned response, and how to most effectively guide ERS revisions and identify research needs on unresolved issues.
Organizer: C. Richard Shumway, Washington State University
Moderator: C. Richard Shumway, Washington State University
Panelists: Virgil Ball, USDA-Economic Research Service; James MacDonald, USDA-Economic Research Service; Spiro Stefanou, University of Florida
**Concurrent Sessions — Monday, 9:45 AM - 11:15 AM**

**1003**

**Farm Policy I - Food, Farms, and the Environment**  
*Salon 4, Lower B2 Level*

**Selected Presentation – Lightning Sessions**  
This lightning round session provides a rapid overview of a range of papers focusing on farmer characteristics, farmer perceptions, food security, and water use.

**Moderator:** Sebastien Pouliot, Iowa State University

**Farm-level Economic Impacts of EU-CAP Greening Measures**  
*Kamel Louhichi*, European Commission; *Pavel Ciaian*, European Commission, IPTS - JRC; *Maria Espinosa*, European Commission-JRC-IPTS; *Liesbeth Colen*, European Comission, JRC-IPTS; *Angel Perni*, European Commission, JRC-IPTS; *Sergio Gomez Y Paloma*, European Commission, JRC-IPTS

Investigating the Impact of Farm Characteristics, Socioeconomic Characteristics and of the Single Farm Payment on the Viability of Farms: The Case of Greece.  
*Michael Vassalos*, Clemson University; *Pavlos Karanikolas*, Agricultural University of Athens; *Yingbo Li*, Clemson University

Agriculture in Developing Countries and the Role of Government: Economic Perspectives  
*Patrick Kanza*, Oklahoma State University; *Jeffrey Vitale*, Oklahoma State University

Sustainability of Regional Food Reserves When Default Is Possible  
*Randall Romero-Aguilar*, The Ohio State University; *Mario Miranda*, The Ohio State University

Producer Attitudes Toward Mandatory Agricultural Marketing Organizations: Evidence from the California Fresh Peach and Nectarine Industry  
*Zoe Plakias*, University of California, Davis; *Rachael Goodhue*, University of California, Davis

A Regional Assessment of Water Use in the US Food System  
*Sarah Rehkamp*, USDA-Economic Research Service; *Patrick Canning*, USDA-Economic Research Service

On-Farm Production Diversity and Dietary Diversity in Developing Countries  
*Kibrom Sibhatu*, Georg-August-Universität Göttingen; *Vijesh Krishna*, Georg-August-Universität Göttingen; *Matin Qaim*, Georg-August-Universität Göttingen

Examining the Influence of the Food Environment on Household Food Security  
*Adam Rabinowitz*, University of Connecticut; *Joshua Berning*, University of Georgia; *Benjamin Campbell*, University of Connecticut

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**1004**

**Cooperatives: Strategies, Efficiencies, and Constraints**  
*Salon 3, Lower B2 Level*

**Selected Presentation**  
Since Capper-Volstead the cooperative market structure has proliferated. This session highlights recent developments in the critical analysis of cooperatives.

**Moderator:** James White, University of Wisconsin-River Falls

A New Generation of Cooperatives in the Brazilian Agricultural Frontier: A Life Cycle Approach  
*Fabio Chaddad*, University of Missouri

Investment Constraints in Agricultural Cooperatives  
Jason Franken, Sam Houston State University; *Michael Cook*, University of Missouri

Cooperative Strategy and Liquidation in the Bordeaux Wine Industry  
*Julien Cadot*, ISG Paris; Adeline Ugaglia, Bordeaux Sciences Agro
1005  SP Farm Credit - Analysis of Credit Access and Constraints on Farm Profitability and Survival  
Salon 5, Lower B2 Level

Selected Presentation
The impacts of the Great Recession were felt in the agricultural industry through credit markets. Papers in this session explore how access to credit and credit constraints affect farm resiliency and profitability.

Moderator: Sergio Lence, Iowa State University
Farm Financial Stress in a Changing Economic Environment: Simulating Credit Risk with New Imputed ARMS Data on Farm Debt
Christopher Burns, University of Massachusetts Amherst; Sarah Tulman, USDA-Economic Research Service; Michael Harris, USDA-Economic Research Service
The Effects of Business Maturity, Experience and Size on the Farms’ Economic Resiliency During Recessionary Periods: A Credit Migration Analysis of Farm Service Agency Borrowers
Hofner Rusiana, University of Georgia; Cesar Escalante, University of Georgia
Low Access to Credit Decreases Asset Price - A Natural Experiment in Agriculture
Chenguang Wang, Michigan State University; David Oppedahl, Federal Reserve Bank of Chicago
Impact of Credit Constraint on Farm Profitability and Productivity in US Agriculture
Darlington Sabasi, Washington State University; Lyudmyla Kompaniyets, Washington State University

1006  SP Dairy Demand in the United States, Germany, and Tanzania
Salon 6, Lower B2 Level

Selected Presentation
This session focuses on asymmetric price transmission in the dairy industry in three countries, and empirically examines the cause of the asymmetry.

Moderator: Nicole Mason, Michigan State University
A Cointegrated Vector Error Correction Almost Ideal Demand System of Organic Milk in the USA
Ye Su, University of Missouri; Michael Cook, University of Missouri
How Can Differences in German Raw Milk Prices be Explained? An Empirical Investigation of Market Power Asymmetries
Yvonne Zavelberg, University of Bonn; Christine Wieck, University of Bonn; Thomas Heckelei, University of Bonn
Farm-Level and Consumption Responses to Improved Efficiency of Tanzania’s Informal Dairy Value Chain
Edgar Twine, International Livestock Research Institute; Hikuepi Katjiuongua, International Livestock Research Institute
Evidence on the Asymmetric Price Transmission in the German Butter Market Using Disaggregated Scanner Data and Reference Prices
Said Tifaoui, Georg-August-Universität Göttingen; Stephan Von Cramon, Georg-August-Universität Göttingen
1007  SP  Information, Risk and Uncertainty  
Nob Hill A, Lower B2 Level

Selected Presentation
The papers in this session focus in different ways on risk and uncertainty – three in obvious ways and one indirectly. The first paper examines the effect of information provided on a survey instrument and the respondent-stated prior information on respondent’s willingness to pay for wildfire management program. The second paper systematically elicits expert views on the magnitude of climate change impact on the global economy. The third paper examines how strategic risk management behaviors are affected by the availability of multiple biosecurity choices to affect transmission risks along multiple pathways, as well as the role of import markets in pricing and allocating risks. The final paper seeks to determine whether residents in a community with many on-site wastewater treatment systems would support a septic upgrade program when the benefits from the upgrade are uncertain.

Moderator: Pengfei Liu, University of Connecticut

Effects of Information Framing and Information Seeking Behavior on Willingness-to-pay for a Wildfire Management Program  
Hari Katuwal, University of Montana; Tyron Venn, University of Montana; Travis Paveglio, University of Idaho; Tony Prato, University of Missouri

The Economic Climate: Establishing Consensus on the Economics of Climate Change  
Peter Howard, Institute for Policy Integrity; Derek Sylvan, Institute for Policy Integrity at NYU School of Law

Multiple Choices, Strategic Interactions, and Market Effects in Livestock Disease Risk Management  
Piyayut Chitchumnong, Michigan State University; Richard Horan, Michigan State University

Effects of Uncertainty on Support for Water Quality Improvement Programs  
Jeffrey Mullen, University of Georgia; Gregory Colson, University of Georgia; Kayla Calhoun, Center for Disease Control and Prevention; Warren Kriesel, University of Georgia

1008  SP  Food and Agricultural Marketing I - Organic Agriculture, Value Chains, and Farm-to-School Programs  
Nob Hill B, Lower B2 Level

Selected Presentation
This set of papers addresses economics of production, marketing, and consumer demand. Two papers address issues affecting organic agriculture while two other papers address marketing issues, including the value chain and farm-to-school programs.

Moderator: Kate Fuller, Montana State University

Lending Credence: Motivation, Trust, and Organic Certification  
Steven Holland, Luther College

Assessing the Supplier Role of Selected Fresh Produce Value Chains in the United States  
Houtian Ge, The Pennsylvania State University; Patrick Canning, USDA-Economic Research Service; Stephan Goetz, The Pennsylvania State University; Agnes Perez, USDA-Economic Research Service

School Participation in Farm to School Programs: Results Integrating Information from the Farm to School Census and Census of Agriculture  
Elizabeth Botkins, The Ohio State Univeristy; Brian Roe, The Ohio State University

Estimating the Impact of Organic Equivalency Agreements on US Agricultural Trade  
Iryna Demko, The Pennsylvania State University; Edward Jaenicke, The Pennsylvania State University
**Human Capital: Wages, Skills, and Wealth**
*Pacific H, Fourth Level*

**Selected Presentation**
This session includes four papers looking at earnings, skills, wages, and wealth, from the household perspective. Papers cover income inequality related to right-to-work laws, changes in wealth around the 2007-2009 financial crisis, returns to specific skills and college majors, and wage penalties for motherhood.

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

**Wage Penalties for Motherhood and Child-rearing in Post-Soviet Russia**
*Irina Pritchett*, North Carolina State University

**What Good are Skills, Anyway? Estimating the Returns to Specific Skills in a College Major**
*Timothy Rakitan*, Iowa State University; *Georgeanne Artz*, Iowa State University

**Changes in the Wealth of Head of Households during the 2007-2009 Financial Crisis in the US**
*Abbas Aboohamidi*, Texas Tech University; *Benaissa Chidmi*, Texas Tech University

**Do Right to Work Laws Worsen Income Inequality? Evidence from the Last Five Decades**
*Abdul Munasib*, University of Georgia; *Jeffrey Jordan*, University of Georgia; *Aparna Mathur*, American Enterprise Institute; *Devesh Roy*, International Food Policy Research Institute

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**Climate Change Adaptation and Impact I - Smallholder Agriculture**
*Pacific I, Fourth Level*

**Selected Presentation**
The four papers in this session estimate climate change and weather impacts on smallholder agriculture. One paper assesses the potential for weather index insurance, while another looks at the potential for climate change adaptation in the coffee sector. A third looks at the relationship between climate change and civil conflict, while the fourth paper estimates the benefits and costs of mitigating climate change in agriculture.

**Moderator:** Jacob Ricker-Gilbert, Purdue University

**Risk, Agricultural Production, and Weather Index Insurance in Village South Asia**
*Jeffrey Michler*, Purdue University; *Gerald Shively*, Purdue University

**Climate Change, Agricultural Production and Civil Conflict**
*Benjamin Crost*, University of Illinois at Urbana-Champaign; *Claire Duquennois*, University of Colorado Denver; *Joseph Felter*, Stanford University; *Daniel Rees*, University of Colorado Denver

**Climate Change Adaptation: The Case of the Coffee Sector in Nicaragua**
*Victor Zuluaga*, International Center for Tropical Agriculture; *Ricardo Labarta*, International Center for Tropical Agriculture; *Peter Laderach*, International Center for Tropical Agriculture

**The Economic Benefits and Costs of Mitigating Climate Change: Interactions among Carbon Tax, Forest Sequestration, and Climate Change Induced Crop Yield Impacts**
*Luis Pena-Levano*, Purdue University; *Farzad Taheripour*, Purdue University; *Wallace Tyner*, Purdue University
Concurrent Sessions — Monday, 9:45 AM - 11:15 AM

1011 SP Trade I - The Interaction of Trade and Non-Trade Policies in Food and Agriculture
Pacific J, Fourth Level

Selected Presentation
The analysis of policies on trade is increasingly expanding to cover the growing impact of non-trade oriented policies on agricultural trade flows. To the well-known effects of macro policies like exchange rates, policies oriented to regulate labor and capital markets as well as anti-trust and consumer-protection policies may have far-reaching effects on future agricultural trade. The papers in this session address some of those cases.

Moderator: Matthew Pham, The Ohio State University

Modeling the Interactions of Strawberry Commodity and Labor Markets in the US and Mexico
Feng Wu, University of Florida; Zhengfei Guan, University of Florida

Antitrust Enforcement and Foreign Competition
Stephen Morgan, Michigan State University; Tim Buthe, Duke University

Deconstructing the Diversion Effect of Agricultural Trade Remedies: Evidence for Strategic Firm Behavior?
Sandro Steinbach, ETH Zurich

Survival of the Fittest: Export Duration in US Fresh Fruit and Vegetable Markets
Everett Peterson, Virginia Tech; Jason Grant, Virginia Tech; Jeta Rudi, University of Minnesota

1012 SP Production Economics - Modeling Producer Decisions
Pacific F, Fourth Level

Selected Presentation
Papers in this session discuss varying models and farmers production decisions.

Moderator: Carlos Anthony Arnade, USDA-Economic Research Service

Estimating Farmers’ Risk Attitudes and Risk Premiums for the Adoption of Conservation Practices under Different Contractual Arrangements: A Stated Choice Experiment
Elizabeth Canales Medina, Kansas State University; Jason Bergtold, Kansas State University; Jeffery Williams, Kansas State University; Jeffrey Peterson, Kansas State University

Duality Theory Econometrics: How Reliable is it with Real-World Data?
Juan Rosas, Universidad ORT Uruguay; Sergio Lence, Iowa State University

Corner Solutions in Empirical Acreage Choice Models: an Endogenous Switching Regime Approach with Regime Fixed Costs
Obafemi Philippe Koutchade, INRA/SMART-LERICO; Alain Carpentier, INRA; Fabienne Femenia, INRA

Empirical Modelling of Production Decisions of Heterogeneous Farmers with Mixed Models
Alain Carpentier, INRA; Obafemi Philippe Koutchade, INRA/SMART-LERICO; Fabienne Femenia, INRA
Concurrent Sessions — Monday, 9:45 AM - 11:15 AM

1013 SP Technology Adoption I - Using New Data and Methods to Evaluate Adoption Rates, Outcomes, and Benefits
Sierra A, Fifth Level

Selected Presentation
The papers in this session use new empirical methods or new data sources to estimate the factors that affect the adoption of technology, the outcomes from technology adoption, or the benefits from R&D expenditures.

Moderator: Yoo Hwan Lee, Colorado State University

Duration Analysis of Technology Adoption in Bangladeshi Agriculture
Ahsanuzzaman Ahsanuzzaman, Virginia Tech

Are We Measuring What We Think We Are Measuring? Recent Experience in Using DNA Fingerprinting and Implications for Tracking Varietal Adoption and Assessing Impacts
Mywish Maredia, Michigan State University; Byron Reyes, International Center for Tropical Agriculture

On the Linkages in Agricultural R&D Spending, Capital Stocks and Productivity Growth: A Bayesian Approach
Frederi Viens, Purdue University; Uris Lantz Baldos, Purdue University; Thomas Hertel, Purdue University

Joseph Maher, University of Maryland

1014 SP Dimensions of Biofuels and Biomass Production
Sierra B, Fifth Level

Selected Presentation
This session explores the potential benefits and impacts of biofuels and the policy mechanisms that incentivize or support them.

Moderator: Kent Kovacs, University of Arkansas

The Contribution of Biomass to Emissions Mitigation under a Global Climate Policy
Niven Winchester, Massachusetts Institute of Technology; John Reilly, Massachusetts Institute of Technology

What is the Social Value of Second Generation Biofuels?
Thomas Hertel, Purdue University; Jevgenijs Steinbuks, World Bank; Wallace Tyner, Purdue University

The Biomass Crop Assistance Program: Critical, Notional, or Distortional Support for Cellulosic Biofuels?
Ruiqing Miao, University of Illinois at Urbana-Champaign; Madhu Khanna, University of Illinois at Urbana-Champaign

Impact of Bidder Learning on Conservation Auctions
Md Sayed Iftekhar, University of Western Australia; Uwe Latacz-Lohmann, University of Kiel

1015 SP Risk Management and the 2014 Farm Bill
Sierra C, Fifth Level

Selected Presentation
The Agricultural Act of 2014 eliminated countercyclical and direct payments and replaced them with new “shallow loss” and revenue protection programs. Papers in this session explore risk management choices and policy implications of the 2014 Farm Bill.

Moderator: Michael Wetzstein, Purdue University

Risk Reduction and the 2014 Farm Bill
Ashley Hungerford, USDA-Economic Research Service; Erik O’Donoghue, USDA-Economic Research Service; Mesbah Motamed, USDA-Economic Research Service

Effects of Subsidized Crop Insurance on Crop Choices
Jisang Yu, University of California, Davis

Understanding Cotton Producer’s Crop Insurance Choices Under The 2014 Farm Bill
Kishor Luitel, Texas Tech University; Michael Hudson, Texas Tech University; Thomas Knight, Texas Tech University

Risk Management Properties of the 2014 Farm Bill
Richard Preston, Preston Farms; Cory Walters, University of Nebraska-Lincoln
**Washington Policy Update by Chief Economists from the House and Senate Ag Committees**

*Sierra E, Fifth Level*

**Track Session – Extension Section**

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 implementation. They also will seek comments and insights on issues from session attendees.

**Organizer:** Steven Klose, Texas A&M University

**Moderator:** Steven Klose, Texas A&M University

Policy Outlook: House Ag Committee Majority Perspective
*Matt Erickson,* Senate Agricultural Committee

Policy Outlook: Senate Ag Committee Majority Perspective
*Bart Fischer,* US House of Representatives

Policy Outlook: Senate Ag Committee Minority Perspective
*Joe Shultz,* Senate Committee on Agriculture, Nutrition & Forestry

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**Investigating Decision Making: The Inclusion of Eye Tracking in Economic Experiments**

*Sierra E, Fifth Level*

**Track Session – IBES/FAMPS Sections**

Every time a consumer buys a product she has to make a decision, typically using a different strategy each time. The strategies differ among others depending on how complex the decision problem is in terms of available information and amount of product alternatives present. When a great amount of information is available (complex decision) the decision maker can switch from processing all relevant information and trading it off against each other (compensatory decision) to selectively processing information avoiding tradeoffs (heuristics). If a strategy is applied in which the individual uses only selective pieces of information, this might lead to substantial decision errors. This session aims to investigate how consumers make decisions for example by analyzing the effect of complexity on choice, or the effects of extrinsic cues on purchasing likelihood.

To do so, the different studies combine a conventional choice experiment with eye tracking technology. Choice experiments are frequently used to analyze decision making. However, they are blunt instruments because they can only measure the presence or absence of a choice. They cannot measure if a consumer considered a purchase, viewed a particular part of a label, or looked at other products on the shelf. In such studies, the general ‘agreement’ is that experiment participants necessarily view/capture all the information presented in choice scenarios, which may not be true. The presented studies use eye-tracking to explicitly measure how much attention consumers pay toward the information presented, while also examining the role of survey design and survey location on results. By tracking eye movements, the presented research is able to directly analyze different decision strategies, while accounting for, e.g., choice complexity. Overall, this track session contributes to the current literature on decision making and shedding light on possible decision errors resulting from heuristic strategies.

**Organizer:** Carola Grebitus, Arizona State University

**Moderator:** Carola Grebitus, Arizona State University

Consumer Preferences for Production Method and Origin Extrinsic Cues on Ornamental and Food Producing Plants
*Hayk Khachatryan,* University of Florida; Alicia Rihn, University of Minnesota; Benjamin Campbell, University of Connecticut; Charles Hall, Texas A&M University; Bridget Behe, Michigan State University

Does Visual Attention Affect Consumers’ Valuation for Food Attributes? A Choice Experiment Study with Eye Tracking Data
*Ellen Van Loo,* Ghent University; Vincenzina Caputo, Korea University; Rodolfo Nayga, University of Arkansas; Han-Seok Seo, University of Arkansas; Wim Verbeke, University of Ghent

Analyzing Decision Making: The Role of Task Complexity
*Carola Grebitus,* Arizona State University; Jutta Roosen, Technical University of Munich

The Role of Product and Experiment Location
*Benjamin Campbell,* University of Connecticut; Yizao Liu, University of Connecticut
Concurrent Sessions — Monday, 9:45 AM - 11:15 AM

1018 Agriculture in Africa: Telling Facts from Myths
Sierra H, Fifth Level

Track Session – International/China Sections

Given rapid growth and urbanization, high and more volatile world food prices, and a changing climate, Africa's agriculture operates in a new environment. A thorough and updated understanding of African agriculture is needed to guide investments, establish baselines, and inform agricultural policy making in Africa. The “Agriculture in Africa—Telling Facts from Myths” project uses the new Living Standards Measurement Study–Integrated Surveys on Agriculture, unique nationally representative panel household surveys conducted in six African countries, to revisit the prevailing conventional wisdom about Africa’s agriculture and the livelihoods of its farmers. A total of 15 wisdoms have been revisited, including the role of women in agriculture, the extent of modern agricultural input use, the prevalence of on farm post-harvest loss, and Africa’s ongoing income diversification. The session will present an overview of the headline findings on each of the wisdoms, followed by more in depth presentations on the findings related to the net buyer status of smallholder households in Africa, the role of youth in African agriculture, and the link between commercialization and nutrition in the same context.

Organizer: Luc Christiaensen, World Bank
Moderator: Saweda Liverpool-Tasie, Michigan State University

Agriculture in Africa – Telling Facts from Myths. What have We Learned?
Luc Christiaensen, World Bank

Are the Majority of Households in SSA Indeed Net Food Buyers?
Amparo Palacios-Lopez, World Bank; Luc Christiaensen, World Bank; Camila GalindoPardo, World Bank

Are Youth Exiting Agriculture en Mass?
Eugenie Maiga, Université de Koudougou; Luc Christiaensen, World Bank; Amparo Palacios-Lopez, World Bank

Agriculture Commercialization and Nutrition Revisited: Empirical Evidence from Three African Countries
Calogero Carletto, World Bank; Paul Corral, American University; Anita Guelfi, World Bank

1019 Modeling Current Issues in Food System Analysis
Sierra I, Fifth Level

Track Session – FSN/Econometrics Sections

This session examines four presentations from a variety of lenses in food and agribusiness management. The common threads among them are consumer preferences, prices, and information dissemination/acquisition. Each paper uses a different data source, a different analysis approach, and a different food policy issue. The discussant will assimilate the papers into common themes and we hope for lively audience participation in the time allocated for discussion.

Organizers: Jane Kolodinsky, University of Vermont; Christiane Schroeter, California Polytechnic State University
Moderator: Christiane Schroeter, California Polytechnic State University

Food Access and Prices: Estimating Food-at-Home Demand
Chen Zhen, Research Triangle Institute; Biing-Hwan Lin, USDA-Economic Research Service; Abigail Okrent, USDA-Economic Research Service; Shawn Karns, Research Triangle Institute; David Chrest, Research Triangle Institute

GM Labeling and the Use of the Word “Natural”
Jane Kolodinsky, University of Vermont

Analyzing the Determinants of Consumers’ Willingness to Pay for Soft Drinks Labeled with Calorie and Sweetener Information
Karen Lewis, University of Tennessee; Carola Grebitus, Arizona State University; Rodolfo Nayga, University of Arkansas

A Dynamic Model Estimation of Tax and Subsidy Impacts on Obesity
Christiane Schroeter, California Polytechnic State University; Nathalie Mathieu-Bolh, University of Vermont
**1020 Lending in Volatile Times**  
*Sierra J, Fifth Level*

**Track Session – AFM Section**  
The rapid decline in commodity prices has brought concern to farmers and lenders. The past 5-7 years of high prices provided some farmers the opportunity to strengthen their balance sheet and build working capital. Forecasted prices below break-even imply that farmers are going to have to rely on built up working capital to cover the loss. Record breaking livestock prices have resulted in high profits for cattle producers. Cattle producers must evaluate how to manage profits and prepare for potential market downturn. Intermediate and long term asset values have been bolstered up by high commodity prices. The low commodity prices have resulted in a softening of land values and rental rates. This issue leaves lenders wondering if farmer’s balance sheets can withstand the decline in asset values.

**Organizer:** Ryan Larsen, North Dakota State University  
**Asset Valuation and Loan Quality**  
*Todd Kaethe,* University of Illinois at Urbana-Champaign; Nathan Kauffman, Federal Reserve Bank - Omaha Branch  
**Financing Livestock & Dairy Operations**  
*Christopher Wolf,* Michigan State University; Lee Schulz, Iowa State University  
**Risk of Non-diversified Production in the Northern Great Plains**  
*Ryan Larsen,* North Dakota State University; Frayne Olson, North Dakota State University  
**Managing Liquidity and Credit during Periods of Low Prices**  
*Joleen Hadrich,* Colorado State University; Christopher Wolf, Michigan State University

**1021 Measuring Wealth for Developing and Evaluating Rural Development Policy and Strategy**  
*Sierra K, Fifth Level*

**Track Session – CRENET/Senior Sections**  
Creating and sustaining wealth is being emphasized in contemporary rural development policy and strategy. The optimal combination of wealth investments has the potential to improve the long-run prosperity, resiliency, and upward mobility of people in rural places. However, what constitutes wealth and how it should be measured in the 21st century may differ from the wealth assets of the 19th and 20th centuries highlighted by Thomas Piketty’s recent book Capital. This session presents three on-going research efforts to measure wealth in rural regions and understand the place-based implications of these wealth assets.

**Organizers:** James Fannin, Louisiana State University; Paul Lewin, University of Idaho; Todd Schmit, Cornell University  
**Moderator:** James Fannin, Louisiana State University  
**Discussant:** David Hughes, University of Tennessee  
**Measuring United States County-Level Economic Resilience to a Recession**  
*Paul Lewin,* University of Idaho; Anna Brown, Idaho State  
**Measuring the Rural Wealth Creation Impacts of Local Food Systems**  
*Becca Jablonski,* Colorado State University; Todd Schmit, Cornell University; David Kay, Cornell University  
**Measuring the Comprehensive People-Based Wealth of Communities: Implications of Spatial Equilibrium vs. Disequilibrium**  
*John Pender,* USDA-Economic Research Service

**USDA Innovation Challenge 2015**  
**Monday, 12:00 PM – 12:45 PM**  
*Pacific H, Fourth Level*

In this panel session the USDA and Microsoft will launch an Innovation Challenge focused on how USDA data can provide insights and aid in predictions of food resiliency in light of climate change. The panel will describe the motivation for the challenge, the available resources and prize structure. [http://usdaapps.challengepost.com](http://usdaapps.challengepost.com).  
**Panelists:** Joyce Hunter, USDA CIO, Vince Breneman, USDA-Economic Research Service, Brian Lutz, Third Generation Farmer, Lucas Joppa, Microsoft Research  
**Moderator:** Daron Green, Microsoft Research
Concurrent Sessions — Monday, 1:00 PM - 2:30 PM

1022 IP 15

Hunger Relief Programs: Exploring Methods to Improve Food Access
Salon 1, Lower B2 Level

Invited Paper/Track Session – FSN/Senior Sections
We explore hunger relief programs in the US and consider these programs as an important area of research for applied economists. The session highlights the importance of the food bank network in meeting food needs of persons who are food insecure. We identify areas to improve the efficiency of hunger relief programs, and we also address methods to improve the nutrition of the offerings of these programs.

Organizer: Norbert Wilson, Auburn University
Moderator: Ginny Sorensen, Oregon Food Bank
Discussant: Norbert Wilson, Auburn University

Hunger Relief Programs and Behavioral Economics: An Introduction
Norbert Wilson, Auburn University; Brian Wansink, Cornell University; Jeffery Swigert, Cornell University; Elaine Waxman, Feeding America

How Healthy Is Hunger Relief Food?
Robert King, University of Minnesota; Cael Warren, University of Minnesota; Colin Cureton, University of Minnesota; Courtney Hoolihan, University of Minnesota; Katherine Young, University of Minnesota; Marilyn Nanney, University of Minnesota

Improving Food Bank Gleaning Operations: An Application in New York State
Miguel Gomez, Cornell University; Xiaoli Fan, Cornell University; Deishin Lee, Boston College; Erkut Sonmez, Boston College

1023 OS

Mapping the Economics of the Beef Genome
Salon 2, Lower B2 Level

Organized Symposium
In April 2009 Science reported the genome of a female Hereford cow had been sequenced after a six-year effort by more than 300 scientists in 25 countries. Scientists have since identified linkages between genes and numerous traits of value to the global beef industry, including marbling, tenderness, ribeye area, double muscling, disease resistance, growth traits, ovulation rate, and twinning growth rates. However, life is never as simple as the most complex science. For beef genome sequencing to realize its promise, reliable and cost-effective genomic prediction tools (that is, tests) must be developed, commercially available, accepted by beef consumers, and adopted by breeders and other participants in the vertically segmented beef industry. This organized symposium explores the economic conditions and incentives needed to move the science from the genomics lab to the cattle range and the dinner plate.

Organizer: Nicole Ballenger, University of Wyoming
Discussant: Julian Alston, University of California, Davis

Panelists: Matthew Andersen, University of Wyoming; Eric Devuyst, Oklahoma State University; Ellen Goddard, University of Alberta; Garry Griffith, University of New England; Raphael Mrode, International Livestock Research Institute
Concurrent Sessions — Monday, 1:00 PM - 2:30 PM

1024 Water, Industrial Production, and International Trade
Salon 3, Lower B2 Level

Organized Symposium – AERE
This session explores first order questions at the intersection of resource economics, environmental economics, and trade. Two papers focus on implications of climate change for water supply and use. Two papers the role of trade in determining the emissions impacts of economic activity in energy and energy-intensive industries.

Impacts of Water Scarcity and Climate on Land Use in Irrigated Agriculture
Beau Olen, Oregon State University; JunJie Wu, Oregon State University

Why is Pollution from US Manufacturing Declining? The Roles of Trade, Regulation, Productivity, and Preferences
Joseph Shapiro, Yale University and NBER; Reed Walker, University of California, Berkeley

The Effect of the Shale Gas Boom on Coal Exports: Accounting for the Location of Production
Jonathan Eyer, North Carolina State University

1025 Natural Resource Economics
Salon 4, Lower B2 Level

Selected Presentation – Lightning Session
Various topics in Natural Resource Economics.

Moderator: Qiuqiong Huang, University of Arkansas

Land Quality and Agricultural Productivity in the United States
Rachel Soloveichik, Bureau of Economic Analysis-Department of Commerce; Jon Samuels, Bureau of Economic Analysis

Modeling No-Tillage Adoption by Corn and Soybean Producers: Insights into Sustained Adoption
Tara Wade, North Carolina A&T State University; Roger Claassen, USDA-Economic Research Service

Tenure Security and Soil Conservation in an Overlapping Generation Rural Economy
Shaikh Eskander, University of Wyoming; Edward Barbier, University of Wyoming

Farmer Preferences for the Conservation Reserve Program
Neeraj Dhingra, North Dakota State University; Lesch William, St. Ambrose University; David Roberts, North Dakota State University; Cheryl Wachenheim, North Dakota State University

Using Remotely Sensed Data to Assess the Role of Ethanol Plants in Dakotas Land Use Change
Gaurav Arora, Iowa State University; Peter Wolter, Iowa State University; Hongli Feng, Iowa State University; David Hennessy, Iowa State University

Adoption and Attitudes towards Cover Crops in Iowa
M. Jimena Gonzalez Ramirez, Iowa State University; Catherine Kling, Iowa State University; J. Gordon Arbuckle, Iowa State University

Modeling Land Use and Land Cover Relationships Change Analysis: An Integrated Framework
Rezwanul Parvez, North Dakota State University; Buddhika Madurapperuma, Humboldt State University; David Ripplinger, North Dakota State University

Willingness to Adopt Best Management Practices Among Beef Cattle Producers in Southeastern Tennessee
Laura Medwid, University of Tennessee; Ali Signore, University of Tennessee; Dayton Lambert, University of Tennessee; Christopher Clark, University of Tennessee; Christian Vossler, University of Tennessee
Concurrent Sessions — Monday, 1:00 PM - 2:30 PM

**1026 SP** Agribusiness Practices in Africa  
*Salon 5, Lower B2 Level*

**Selected Presentation**
In the second largest continent, agribusinesses face increasing challenges. Papers in this session address a range of topics from risk management institutions to household behavior.

**Moderator:** Maria Marshall, Purdue University

Gender Differential in Profitability and Other Aspects of Smallholder Soybeans Production in Eastern Province, Zambia  
*Taiwo Mafimisebi,* The Federal University of Technology; *Cletus Chibalani,* Mulungushi University; *Olusegun Yerokun,* Mulungushi University; *Edward Syampaku,* Mulungushi University

Consumer Preference for Palm Oil in Urban Togo, Africa  
*Nicole Evans,* University of Hawaii at Manoa; *Catherine Chan,* University of Hawaii at Manoa; *John Yanagida,* University of Hawaii at Manoa; *Tomoaki Miura,* University of Hawaii at Manoa

Private Sector Investments to Change Meta-governance Institutions: The Case of Malawian Agricultural Commodity Exchange  
*Domenico Dentoni,* Wageningen University; *Liesbeth Dries,* Wageningen University; *Stefano Pascucci,* Wageningen University

Market Imperfection, Farm Household Consumption Behavior and the Life Cycle Model: Evidence From East Africa  
*Ashok Mishra,* Louisiana State University; *Seydina Sene, Sr.,* Louisiana State University

**1027 SP** Crop Insurance I - Issues with Hedging, Moral Hazard, Farm Solvency, and Climate Change  
*Salon 6, Lower B2 Level*

**Selected Presentation**
Farms have several tools for risk management of risk. Papers in this session focus on crop insurance and hedging of traditional risks as well as impacts of new risks from climate change.

**Moderator:** Hayley Chouinard, Washington State University

Moral Hazard in Prevented Planting and Late Planting in Crop Insurance  
*Taehoo Kim,* Utah State University; *Man-Keun Kim,* Utah State University

Crop Insurance’s Role in Farm Solvency  
*Todd Kuethe,* University of Illinois at Urbana-Champaign; *Nicholas Paulson,* University of Illinois at Urbana-Champaign; *Gary Schnitkey,* FarmDoc

Risk-sharing Efficiency of Hedging Strategies  
*Changhao Guo,* University of Victoria; *Baojing Sun,* University of Victoria; *G. Cornelis Van Kooten,* University of Victoria

The Economic Impact of Climate Change on Cash Crop Farms in Québec and Ontario  
*Ning An,* McGill University; *Paul Thomassin,* McGill University

**1028 SP** Food Security I - Connecting the Food Environment, Consumption, and Security  
*Nob Hill A, Lower B2 Level*

**Selected Presentation**
New empirical evidence relating food environment to food consumption and subsequent food insecurity is presented in this session.

**Moderator:** Ye Su, University of Missouri

The Demand for Healthy Food-Away-From-Home by Households with Low-Food-Access  
*Andrea Lescheuski,* Michigan State University; *Dave Weatherspoon,* Michigan State University; *Annemarie Kuhns,* USDA-Economic Research Service; *Christopher Dicken,* USDA-Economic Research Service

The Relationship Between Supermarket Concentration and the Shopping Habits of the Urban Poor: A Prepared Foods Example  
*Dave Weatherspoon,* Michigan State University; *Andrea Lescheuski,* Michigan State University; *Annemarie Kuhns,* USDA-Economic Research Service; *Christopher Dicken,* USDA-Economic Research Service

US Ethanol and World Hunger: Is There a Connection?  
*Na Hao,* University of Georgia; *Gregory Colson,* University of Georgia; *Michael Wetzstein,* Purdue University
We refer to the image of a page from the 2015 AAEA & WAEA Joint Annual Meeting Program. The page includes sections on Experimental Economics I and Energy Economics I, each featuring a series of presentations and selected papers. Below is a detailed transcription of the contents:

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

### 1029  💬 Experimental Economics I - Issues in Auctions and Choice Experiments

* Nob Hill B, Lower B2 Level

#### Selected Presentation

This session addresses the following empirical questions: do choice overload or auctions that allow negative bids affect elicited willingness-to-pay; does the adding-up property of willingness-to-pay hold in non-hypothetical auctions; and does gender impact bidding behavior in repeated auctions.

**Moderator:** Jordan Suter, Colorado State University

- **Validating the Consistency of Non-hypothetical Experimental Auction Data: An Application of the Adding-up Test**  
  *Levan Elbakidze*, University of Idaho; *Rodolfo Nayga*, University of Arkansas

- **Pushing the Bounds of Rationality in Experimental Auctions**  
  *Daniel Chavez*, Texas A&M University; *Marco Palma*, Texas A&M University

- **Strategic Bidding in a Private Value Experimental Auction with Positive and Negative Bids**  
  *Ji Yong Lee*, Kansas State University; *John Fox*, Kansas State University

- **Women and Men are Different but Equal: Observations of Learning Behavior in Auctions**  
  *Dinah Pura Depositario*, University of Philippines; *Rodolfo Nayga*, University of Arkansas; *Yu Yvette Zhang*, Texas A&M University

### 1030  💬 Energy Economics I - Agricultural and Energy Market Linkages

* Pacific H, Fourth Level

#### Selected Presentation

This set of papers explores market fundamentals, analysis, and policy implications on energy and agricultural markets and development.

**Moderator:** Ignacio Perez Dominguez, European Commission

- **Disintangling the Links between Energy and Agricultural Markets: The Shale Gas Phenomenon**  
  *Ignacio Perez Dominguez*, European Commission; *Sergio René Araujo Enciso*, Georg-August-Universität Göttingen; *Fabien Santini*, European Commission

- **Econometric Analysis of Motorists’ Preference for Ethanol in Motor Fuel**  
  *Kenneth Liao*, Iowa State University; *Sebastien Pouliot*, Iowa State University

- **Uncertainty and Time-to-Build in Bioenergy Production**  
  *Jerome Dumortier*, International Food Policy Research Institute; *Dermot Hayes*, Iowa State University; *Nathan Sauffman*, Federal Reserve Bank - Omaha Branch

- **Food versus Fuel: Examining Tradeoffs in the Allocation of Biomass Energy Sources to Domestic and Productive Uses in Ethiopia**  
  *Elizabeh Basauri Bryan*, International Food Policy Research Institute; *Dawit Mekonnen*, International Food Policy Research Institute; *Tekie Alemu*, Association for Ethiopian Microfinance Institutes; *Claudia Ringler*, International Food Policy Research Institute
**Concurrent Sessions — Monday, 1:00 PM - 2:30 PM**

**1031 Agriculture in Transitions: Household Perspectives**  
*Pacific J, Fourth Level*

**Selected Presentation**
This session includes four papers focusing on agriculture in transition in four different countries. Two papers have an educational theme, one focuses on exits from farming, and a fourth focuses on off-farm labor allocations.

**Moderator:** Wallace Huffman, Iowa State University

- **Productivity and Exits from Farming in Japan**  
  Tadashi Sonoda, Nagoya University; **Austin Ramsey**, North Carolina State University
- **Off-farm Labor Allocation Decisions of Rural Farm Households in Transitional Albania**  
  **Ayuba Seidu**, University of Florida; Gulcan Onel, University of Florida
- **Education, Labor Quality, and US Agricultural Growth**  
  Sun Ling Wang, USDA-Economic Research Service; Agapi Somwaru; Virgil Ball, USDA-Economic Research Service
- **Education Accelerating the Agricultural Transition: Panel Data Analysis of Rural Mexico**  
  **Diane Charlton**, University of California, Davis

**1032 Issues Related to Trade and Contracting among Smallholders**  
*Pacific F, Fourth Level*

**Selected Presentation**
The papers presented in this session investigate the impacts of contacting and the costs associated with trade. Two papers look at the incentives and issues surrounding contract farming. The third paper looks at cooperative behavior in farmer clubs, while the fourth paper looks at trade costs and their consequences for agricultural storage and trade in Africa.

**Moderator:** Larry Janssen, South Dakota State University

- **High Trade Costs and Their Consequences: An Estimated Model of African Agricultural Storage and Trade**  
  **Obie Porteous**, University of California, Berkeley
- **Do Search Frictions Compound Problems of Relational Contracting?**  
  **Stephanie Rosch**, Purdue University; David Ortega, Michigan State University
- **Cooperative Behavior in Farmer Clubs: Experimental Evidence from Malawi**  
  Annemie Maertens, University of Pittsburgh; Hope Michelson, University of Illinois at Urbana-Champaign; **Vesall Nourani**, Cornell University

**1033 Management of Chemical Inputs in Production**  
*Pacific I, Fourth Level*

**Selected Presentation**
Papers in this session address a range of issues pertaining optimal management of chemical inputs in agricultural production.

**Moderator:** C. Richard Shumway, Washington State University

- **Quality versus Quantity Effects of Pesticides: Joint Estimation of Quality Grade and Crop Yield**  
  Kentaro Kawasaki, PRIMAFF; **Erik Lichtenberg**, University of Maryland
- **Revisiting Quality-Adjusted Price and Quantity Indices for Pesticides**  
  **Richard Nehring**, USDA-Economic Research Service; Sun Ling Wang, USDA-Economic Research Service; Jorge Fernandez-Cornejo, USDA-Economic Research Service; Seth Wechsler, USDA-Economic Research Service; Roberto Mosheim, USDA-Economic Research Service; Jarrett Hart, University of California, Davis
- **Value of Insect Pest Management to US and Canadian Corn, Soybean and Canola Farmers**  
  Terrance Hurley, University of Minnesota; **Paul Mitchell**, University of Wisconsin
- **In-field Spatial Variability and Profitability of Precision Corn Production in Iowa**  
  **Edward Osei**, Tarleton State University
Concurrent Sessions — Monday, 1:00 PM - 2:30 PM

1034 SP Spatial and Land Use Models

Sierra A, Fifth Level

Selected Presentation
The papers in this session provide innovations in spatial and land use models or examine the importance of spatial correlation in applied econometric modeling.

Moderator: Farzad Taheripour, Purdue University

A Bayesian Learning Approach to Estimating Unbalanced Spatial Panel Models
Anton Bekkerman, Montana State University; Mykel Taylor, Kansas State University

Fine-scale Land Use Allocation Using Maximum Likelihood
Jingyu Song, Purdue University; Nelson Villoria, Purdue University; Michael Delgado, Purdue University; Paul Preckel, Purdue University

Confronting Price Endogeneity in a Duration Model of Residential Subdivision Development
Allen Klaiber, The Ohio State University; David Newburn, University of Maryland; Douglas Wrenn, The Pennsylvania State University

Does Spatial Correlation Matter in Econometric Models of Crop Yield Response and Weather?
Seong Do Yun, Purdue University; Michael Delgado, Purdue University; Raymond Florax, Purdue University; Ben Gramig, Purdue University

1035 SP Assessing Models with Data Limitations

Sierra B, Fifth Level

Selected Presentation
The papers in this session deal with data limitation issues in various applied economic settings.

Moderator: Lyubov Kurkalova, North Carolina A&T State University

Imputing for Missing Data in the ARMS Household Section: A Multivariate Imputation Approach
Christopher Burns, University of Massachusetts Amherst; Daniel Prager, USDA-Economic Research Service; Sujit Ghosh, North Carolina State University; Barry Goodwin, North Carolina State University

Production Function Estimation Using Cross Sectional Data: A Partial Identification Approach
Tadashi Sonoda, Nagoya University; Ashok Mishra, Louisiana State University

Examining Ways to Handle Non-Random Missingness in CEA through Econometrics and Statistics Lenses
Jackie Yenerall, Virginia Tech; Wen You, Virginia Tech; George Davis, Virginia Tech; Paul Estabrooks, Virginia Tech

Estimating Latent Variable Models When the Latent Variable is Observable
James Binkley, Purdue University; Luis Pena-Levano, Purdue University

1036 SP Conservation Programs: Incentives, Information, and Impact

Sierra C, Fifth Level

Selected Presentation
This session explores drivers of enrollment in and impacts of conservation programs.

Moderator: Simanti Banerjee, University of Nebraska-Lincoln

Informal Low-cost Methods for Increasing Enrollment of Environmentally Sensitive Lands in Farmland Conservation Programs: An Experimental Study
Simanti Banerjee, University of Nebraska-Lincoln; James Shortle, The Pennsylvania State University

Tax Incentives and Private Land Conservation
Nick Parker, University of Wisconsin; Walter Thurman, North Carolina State University

Information Effect on Environmental Program Participation: The Case of China Wetlands Restoration Program
Zhengfei Guan, University of Florida; Honggen Zhu, Jiangxi Agricultural University; Xuan Wei, Michigan State University

Evaluating the Effectiveness of Protected Areas in Reducing Tropical Deforestation: Evidence from Annual Deforestation Data
Joseph Maher, University of Maryland; Xiao-Peng Song, University of Maryland
Concurrent Sessions — Monday, 1:00 PM - 2:30 PM

1037  
Protecting Agricultural Operations in Today’s Legal Environment  
Sierra E, Fifth Level

Track Session – Extension Section
This session focuses on innovative Extension outreach being conducted with animal agriculture. Speakers will highlight education for animal operations and non-agriculture groups on issues related to impacts of employment, trespass, and states’ right-to-farm laws. The audience will be allowed to discuss the role Extension Economists can play in this programming.

Organizer: Tiffany Dowell Lashmet, Texas A&M University
Moderator: David Anderson, Texas A&M University
Presenters: Shannon Ferrell, Oklahoma State University; Leo Paul Goeringer, University of Maryland; Ashley Newhall, University of Maryland

1038  
Emerging Development Issues in Rural China: Land Titling, Agricultural Subsidy, Non-farm Employment and Food Safety  
Sierra E, Fifth Level

Track Session – China/International Sections
China’s rural economic and institutional structure continues to evolve at a drastic pace. Recognizing the importance of secure land property rights for its future economic growth, Chinese government has come up with various innovative land titling programs to improve China’s rural land tenure system. Chinese rural economy has become increasingly more diversified with more labor moving away from agriculture to engage in local off-farm employment and migration. To ensure food security in this drastic transformation process, Chinese government is committed a huge amount of money on agricultural subsidy to support agricultural production. Finally, food safety issue concerns every Chinese citizen and is at the top of Chinese government’s policy agenda. The set of papers proposed in this track session delve into various aspects of China’s rural economic development based on rigorous analyses of survey and/or experimental data.

Organizer: Songqing Jin, Michigan State University
Moderator: Songqing Jin, Michigan State University
Impact Evaluation of Chengdu Land Titling Program
Fang Xia, Central University of Finance and Economics; Klaus Deininger, World Bank; Songqing Jin, Michigan State University; Shouying Liu, Development Research Group of the State Council

Income Growth, Urbanization, and Food Demand in China
Zhihao Zheng, China Agricultural University; Yinyu Zhao, China Agricultural University; Ying Gao, China Agricultural University; Shida Rastegari Henneberry, China Agricultural University

Fear and Trust: How Risk Perceptions of Avian Influenza Affect the Demand for Chicken
Li Zhou, Nanjing Agricultural University; Calum Turvey, Cornell University; Wuyang Hu, University of Kentucky; Ruiyao Ying, Nanjing Agricultural University

Is There a City Size Bias? Destination Choice of Rural Off-Farm Workers, Evidence from Three Areas in Rural China
Chaoran Hu, Michigan State University; Kevin Chen, International Food Policy Institute-Beijing; Thomas Reardon, Michigan State University
1039 Track Session – COSBAE/Extension Sections
Nexus of the Local Food System, Small Farm Agriculture, and the New Farm Legislation

Sierra H, Fifth Level

U.S. Congress passed a new Farm Bill early in 2014 which significantly changed farm programs to account for problems inherent in previous farm legislations. The Bill is a major overhaul of commodity policy in the United States. It wipes away direct payments that represented a constant revenue source of about $5 billion dollars per year. Direct payments, counter cyclical payments, and the average crop revenue election programs have been replaced by a menu of programs that farmers can choose among to provide safety net protection and to complement crop insurance on their operations. Indeed, these changes in the new farm policy will likely affect US agriculture and local economies for years to come. Since these changes in policy were passed in spring of 2014, their impact on various sectors of US agriculture will never be known until it is fully implemented in 2015. What do we see coming down as the new policy is implemented, and what will its impacts be on small farm agriculture, the local food system and rural communities?

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

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

Discussant: Otto Doering, III, Purdue University

Farm Bill and National Impacts
Patrick Westhoff, University of Missouri

Farm Bill and Risk for Small Farm Agriculture
Laurence Crane, National Crop Insurance Services Inc

Farm Bill and the Local Food System
Ronald Rainey, University of Arkansas

Farm Bill and Farm-level Impacts
Steven Klose, Texas A&M University

1040 Track Session – AEM Section
Emerging Trends in Local Food Marketing: Future Research and Outreach Perspectives

Sierra I, Fifth Level

Traditional direct marketing and intermediated markets for local foods (such as farmers’ markets, CSAs, restaurants, etc.) have been well researched, including consumer types, as well as consumer preferences and willingness to pay. However, there is an expanding set of opportunities that have not yet been addressed in the literature. Food box sets, grocery home delivery, mobile markets, and farm stores/shops are examples of emerging local food concepts. Food box sets provide all ingredients and recipes home delivered (Blue Apron, Hello Fresh, Brit Kits, etc.). They are designed for consumers looking to return to the activities of the past (home cooking, canning, baking, etc.), but don't want to spend the time shopping and coming up with the ideas themselves. Grocery home delivery (Winder Farms, Green Bean Delivery, Amazon Fresh, etc.) is designed for working professionals wishing to limit shopping time and those seeking locally-sourced products. This session will bring together academics, USDA representatives, and industry speakers to examine future trends and resulting research and outreach needs in emerging local foods marketing.

Organizer: Kynda Curtis, Utah State University

Discussant: Kynda Curtis, Utah State University

Panelists: Whitney McCarthy, Winder Farms; Ruby Ward, Utah State University; Timothy Woods, University of Kentucky; Lydia Zepeda, University of Wisconsin
The complacency about having achieved global food security at the end of the 20th century was due at least in part to the success of the 15 international agricultural research centers (collectively known by the acronym CGIAR) in raising crop productivity. This complacency was shaken by two price spikes in the first decades of the 21st century. There is growing recognition that continuing population and income growth, coupled with productivity threats from climate change, mean that food security challenges remain. After stable or declining funding until 2005, the CGIAR centers were promised, and received, growing funding if they reorganized to meet the coming challenges. Two CEOs later, and with a new structure that included the development of 15 Consortium Research Programs (CRPs), there is widespread recognition that the initial efforts at restructuring were less than successful. A review process begun in 2014 is likely to bring considerable additional change to the CGIAR, with potential outcomes ranging from more centralized management to dissolution of the organization. This panel discussion provides an opportunity for AAEA attendees to learn about the recent history of the CGIAR and its attempts to reform, and the state of the latest reform efforts. It includes the leader of one of the CRPs, the head of the CGIAR's standing panel on impact assessment, a representative of one of the major funding organizations, two former senior CGIAR researchers, and a Center Board chair. As the reform process is still underway it is too early to provide much detail about the nature of the changes that are likely to be in place by July 2015, but the presenters will all be knowledgeable about the proposed alternatives, and the prospects for future international agricultural research.

Organizer: Gerald Nelson, University of Illinois at Urbana-Champaign
Moderator: Gerald Nelson, University of Illinois at Urbana-Champaign
Panelists: Karen Brooks, International Food Policy Research Institute/PIM; Prabhu Pingali, Cornell University; Philip Pardey, University of Minnesota

Identification of Causal Effects in Time Series Models

Time series analysis, and the vector autoregression model in particular, is often viewed as a mystical world with strange terminology and less serious treatment of identification issues than other areas of econometrics. This educational lecture will cover a recent literature that makes significant advances in time series identification, and it will connect the vector autoregression and time series identification to methods such as instrumental variables that are commonly applied in cross-section econometrics.

Organizer: Aaron Smith, University of California, Davis
Presenter: Aaron Smith, University of California, Davis
Concurrent Sessions — Monday, 2:45 PM - 4:15 PM

1043 Strategic Behavior and Retail Food Prices
Salon 1, Lower B2 Level

Invited Paper
In this session, we present three papers that examine emerging pressures on retail food prices, from three different perspectives. The papers share a common theme that players throughout the food distribution system, whether producers, manufacturers, or retailers behave strategically to pass along cost increases to consumers. Changes in package sizes, selling hyper-differentiated products online, or exploiting emergent store formats are three ways in which suppliers are shaping consumer food prices now, and in the coming years.

Discussants: Stephen Hamilton, California Polytechnic University, San Luis Obispo

The Impact of Package Size on Cost Pass-Through
Metin Cakir, University of Minnesota

Market Structure and Food Price Inflation
Richard Volpe, III, USDA-Economic Research Service

Online Search and Retail Food Prices
Stephen Hamilton, California Polytechnic University, San Luis Obispo; Timothy Richards, Arizona State University

1044 Defining Rural (and Urban) Geography
Salon 2, Lower B2 Level

Organized Symposium
USDA-Economic Research Service, in projects with CNSTAT and The Pennsylvania State University is revisiting the delineation of both rural-urban county/tract typologies and local labor market areas. Both projects are mid-way and some of the principals will discuss where the projects seem to be going in terms of concepts and methods.

Organizer: David McGranahan, USDA-Economic Research Service
Moderator: Stephan Goetz, The Pennsylvania State University
Panelists: John Cromartie, USDA-Economic Research Service; Leif Jensen, The Pennsylvania State University; Mark Partridge, The Ohio State University

1045 Restarting WTO Negotiations. The Post-Bali Work-program: What is on the Table, What would be Needed
Salon 3, Lower B2 Level

Organized Symposium – EAAE
Recent developments in WTO negotiations made it possible to overcome the stalemate emerged last July and set a new deadline - July 2015 - for the definition of a “workprogram” for the conclusion of the Doha round. The Organized Symposium aims at providing an opportunity, as this deadline will approach, to discuss the outcome of the negotiations for the ‘work program’ or, if an agreement will not have been reached by then, the prospects for their successful conclusions.

Moderator: Giovanni Anania, University of Calabria

Domestic Support Polices in the Post-Bali “Work Program:” What is on the Table, What would be Needed
David Blandford, The Pennsylvania State University

Market Access in the Post-Bali “Work Program:” What is on the Table, What would be Needed
David Laborde, International Food Policy Research Institute

Food Security and Development in the Post-Bali “Work Program:” What is on the Table, What would be Needed
Ammad Bahalim, International Centre for Trade and Sustainable Development; Josef Georg Schmidhuber, Food and Agriculture Organization of the United Nations
Concurrent Sessions — Monday, 2:45 PM - 4:15 PM

1046 Advances in Environmental and Hedonic Valuation I
Salon 4, Lower B2 Level

Selected Presentation – Lightning Session
Moderator: Jerald Fletcher, West Virginia University

Demand for Urban Tree Cover in California: Comparison of Spatial Hedonic Model and Instrument Variable Method
Yingdan Mei, The Ohio State University; Brent Sohngen, The Ohio State University; Diane Hite, Auburn University

Are WTP Estimates for Wildfire Risk Reductions Transferrable from Coast to Coast? Results of a Choice Experiment in California and Florida
John Loomis, Colorado State University; Jose Sanchez, USDA Forest Service; Armando Gonzalez-Caban, USDA Forest Service; Thomas Holmes, USDA Forest Service

Estimating Recreation Demand When Survey Responses Are Rounded
Ian Page, University of Maryland; Erik Lichtenberg, University of Maryland; Monica Saavoss, University of Maryland

A Dynamic Economic Analysis of Nitrogen-Induced Soil Acidification in China
Ziyan Yang, University of Maryland

The Amenity Value of Climate Change Across Different Regions in the United States
Pitchayaporn Tantibharnchana, Washington State University; Gregmar Galinato, Washington State University

Evaluating the Effect of Stream Restorations: An Application in Switzerland
Michele Baggio, University of Connecticut; Charles Towe, University of Connecticut

Quantifying Social Preferences for Woody Biomass Energy
Robert Campbell, University of Montana

Valuing the Benefit of Reducing Adverse Effects from Household Solid Fuel Combusting in Rural China
Zheng Liu, Yunnan University of Finance and Economics; Xiaodong Bian, Yunnan University of Finance and Economics

1047 Agribusiness Issues in Asia
Salon 5, Lower B2 Level

Selected Presentation
Agribusinesses located in the most populated region of the world must contend with numerous constraints. This session addresses a range of topics from production in China to entrepreneurship in Philippines.

Moderator: J Dominique Gumirakiza, Western Kentucky University

Rice, Wheat, and Corn Supply Response in China
Jan Brockhaus, University of Bonn; Jikun Huang, Chinese Academy of Sciences; Jiliang Hu, Chinese Academy of Sciences; Matthias Kalkuhl, University of Bonn; Joachim Von Braun, International Food Policy Research Institute; Guolei Yang, Chinese Academy of Sciences

The Relationship Between the Consumer Health Concern and the Categories of Convenience Food: The Case of South Korea
So Hyun Kim, Seoul National University; Kyeong Ah Ahn, Seoul National University; Young-Chan Choe, Seoul National University

Determinants of Entrepreneurial Potential in Regions of Poverty and Conflict: A Case Study of Out-of-school Youth in Mindanao, Philippines
Cynthia Lai, University of Hawaii at Manoa; Catherine Chan, University of Hawaii at Manoa; Domenico Dentoni, Wageningen University; Elma Neyra, Southern Christian College

Chinese Consumers’ Perception of Imported versus Domestic Pork Quality
Maolong Chen, Michigan State University; David Ortega, Michigan State University; Hong Holly Wang, Purdue University
Concurrent Sessions — Monday, 2:45 PM - 4:15 PM

1048 SP Can’t We All Just Get Along? Institutional and Behavioral Economic Insights for Encouraging Cooperative Outcomes
Salon 6, Lower B2 Level

Selected Presentation
This session addresses how to achieve cooperative outcomes given a potential conflict situation. Interpersonal comparisons, conflict zones, bullying, and poor leadership are used as empirical contexts to outline potential solutions.

Moderator: Niccolo Meriggi, Wageningen University

- Getting a Leg Up or Pulling it Down? Interpersonal Comparisons and Destructive Actions: Experimental Evidence from Bolivia
  Eliana Zeballos, University of California, Davis

- Perception and Action in a Conflict Zone: A Study of Rural Economy and Rural Life amidst Narcos in Northeastern Mexico
  Leslie Verteramo Chiu, Cornell University; Calum Turvey, Cornell University

- The Good, the Bad and the Fair: Quality of Local Leaders and Village Development in Rural Cameroon
  Erwin Bulte, Wageningen; Niccolo Meriggi, Wageningen University

- The Impact of Bullying on Educational Performance in Ghana: A Bias-reducing Matching Approach
  Yu Zhang, Texas A&M University; Shahriar Kibriya, Conflict and Development Center; Zhicheng Phil Xu, Texas A&M University

1049 SP Price Transmission - Empirical Applications to Tax and Exchange Rate Pass Through
Nob Hill A, Lower B2 Level

Selected Presentation
This session examines price transmission for agricultural, forest, and consumer products (cigarettes), incorporating recently development in spatial econometrics, smooth transition approach etc.

Moderator: Di Fang, Arizona State University

- A Spatial Analysis of Cigarette Tax Pass-Through: Evidence from Nielsen ScanTrack Data
  Xiaojin Wang, University of Kentucky; Yuqing Zheng, University of Kentucky; Michael Reed, University of Kentucky; Chen Zhen, Research Triangle Institute

- An Empirical Analysis of Exchange Rate Pass-Through in Tropical Forest Product Markets: A Smooth Transition Approach
  Selin Guney, North Carolina State University; Barry Goodwin, North Carolina State University

- Farm to Retail Price Transmission: The Case of Cheddar and Mozzarella Cheeses
  William Hahn, USDA-Economic Research Service; Hayden Stewart, USDA-Economic Research Service; Donald Blayney, New Mexico State University; Christopher Davis, USDA-Economic Research Service

- Price Volatility Transmission from International to Domestic Agricultural Markets: Evidence from Africa, South Asia and Latin America
Experimental Economics II - Developmental Economics Applications
Nob Hill B, Lower B2 Level

Selected Presentation
This session presents experimental findings (field and lab-based) about technology adoption, nutrient-based poverty traps and preferences for organic products in developing countries.

Moderator: Jeffrey Michler, Purdue University

- Technology Adoption When Risk Preferences Matter: Evidence from Incentivized Field Experiments in Niger
  Awa Sanou, Michigan State University; Saweda Liverpool-Tasie, Michigan State University; Robert Shupp, Michigan State University

- Are There Nutrient-based Poverty Traps? Evidence on Iron Deficiency and Schooling Attainment in Peru
  Maximo Torero, International Food Policy Research Institute

- Randomised Control Trial of a Risk-Free Sample Purchase for Inorganic Fertilizer in Uganda
  Annet Adong, Makerere University

- Evaluating Preferences for Organic Product Attributes in Nigeria: Attribute Non-attendance under Explicit and Implicit Priming Task
  Muhammad Baba Bello, University of Kiel; Awudu Abdulai, University of Kiel

Food Security II - Global Food Security
Pacific H, Fourth Level

Selected Presentation
This set of papers addresses global food security issues, including the impacts of conflict, trade, and policy design.

Moderator: Milu Muyanga, Michigan State University

- A Causal Exploration of Food Price Shocks and Conflict in Sudan
  Junyi Chen, Texas A&M University; Shahriar Kibriya, Conflict and Development Center; David Bessler, Texas A&M University; Edwin Price, Texas A&M University

- Joint Evaluation of Cash and In-kind Transfer Programs in Indonesia: What are the Roles in Food and Nutrition Security?
  Rythia Afkar, University of Bonn

- Trade Liberalization and Food Security: A Case Study of Taiwan using Global Food Security Index (GFSI)
  Shih-Hsun Hsu, National Taiwan University; Ching-Cheng Chang, Academia Sinica; Chi-Chung Chen, National Chung-Hsing University; Jou Chen Shih, National Taiwan University

- Impact of India’s Food Security Policy across Household Types
  Dileep Birur, RTI International; Angel Aguiar, Purdue University; Badri Narayanan Gopalakrishnan, Purdue University
1052 SP High Impact Learning Activities in Agricultural Economics- What Works and What Doesn’t
Sierra B, Fifth Level
Track Session – TLC/SS-AAEA Section
High Impact Learning Activities are defined as in-class and out-of-class opportunities in which students can participate to create a more meaningful educational experience. The umbrella term includes study abroad programs, research and honors courses, student club involvement, and leadership and internship opportunities. The main idea is to give students more immersive undergraduate and graduate learning experiences so that they leave their academic programs well-rounded and enlightened global citizens. However, some activities may lead to better learning outcomes and better prepare students for their careers than others. Our panelists are surveying students and members of industry to evaluate the high-impact learning activities included in our undergraduate and graduate programs. The panel will present the results of these surveys to provide audience members with a better understanding of how particular activities are perceived by students and how well-prepared students who participate in these activities are for jobs in the agribusiness industry. Our panel discussion will focus on (i) industry related experiences (such as NAMA and PMA), (ii) educational related experiences (including honors, case studies, and flipped courses), (iii) undergraduate student research (honors thesis and conference exposure), and (iv) student club activities (such as QuizBowl, and “AgEcon” clubs).
Organizer: Maria Bampasidou, University of Florida
Discussant: Maria Bampasidou, University of Florida
Panelists: Jennifer Clark, University of Florida; Kelly Grogan, University of Florida; H. Mikael Sandberg, University of Florida

1053 SP Food Environment and Food Choices
Pacific I, Fourth Level
Selected Presentation
This session focuses on food environment and food choices.
Moderator: Wen You, Virginia Tech

Does Ethnicity Matter for Food Choices? An Empirical Analysis of Asian Immigrant Time Use
Tongyang Yang, University of Georgia; Joshua Berning, University of Georgia; Gregory Colson, University of Georgia; Travis Smith, University of Georgia

Does a Nutritious Diet Cost More in Food Deserts?
Linlin Fan, University of Illinois at Urbana-Champaign; Kathy Baylis, University of Illinois at Urbana-Champaign; Craig Gundersen, University of Illinois at Urbana-Champaign; Michele Ver Ploeg, USDA-Economic Research Service

The Evolving Role of Food Sourced Outside the Home on Diets in the US: 1977-2010
Travis Smith, University of Georgia; Biing-Hwan Lin, USDA-Economic Research Service; Ellen Coats, University of Georgia

A Multidimensional View of Food Environment Impact on Consumption and Food Security
Jackie Yenerall, Virginia Tech; Wen You, Virginia Tech; Jennie Hill, Virginia Tech
The Role of Transfers Programs and Credit in Poverty Alleviation

Selected Presentation

Papers in the session discuss methodological issues for targeting cash transfers beneficiaries, spillovers effects of cash transfer programs, and compare impact of cash versus in-kind transfers program. The forth paper examines the effect of credit in poverty alleviation.

Moderator: Robert Herdt, Cornell University

Reaching the Poor: Tradeoffs in Qualitative and Quantitative Methods for Targeting Cash Transfers in Cameroon
Quentin Stoeffler, University of California, Davis; Bradford Mills, Virginia Tech; Carlo Del Ninno, World Bank

Spatial Spillovers in Conditional Cash Transfer Programs
Kathy Baylis, University of Illinois at Urbana-Champaign; Andres Ham, University of Illinois at Urbana-Champaign

Financial Intermediation and Poverty Trap Dynamics over the Life Cycle
Isai Guizar, Tecnologico de Monterrey; Mario Miranda, The Ohio State University; Claudio Gonzalez-Vega, The Ohio State University

The Impact of Cash versus In-kind Transfers on Informal Credit and Gift Exchange Behavior in Rural Niger
Joanna Upton, Cornell University; Susanna Sandström, Abo Akademi University; John Hoddinott, International Food Policy Research Institute

Trade II - Advancements in Data, Theory, and Empirical Approaches

Selected Presentation

The field of agricultural trade is positioned to benefit from the availability of firm-level data, the advancement of new trade theories, and the development of econometric methods. The four papers in this session exemplify how the new approaches enhance our understanding of the international markets for agricultural and food commodities.

Moderator: Gopinath Munisamy, USDA Economic Research Service

Copula-Based Modeling of Dependence Structure among International Grain Markets
Md Mansur Ahmed, North Carolina State University; Barry Goodwin, North Carolina State University

Do Exporting Firms Benefit from Retail Internationalization? Evidence from France
Angela Cheptea, INRA-IAW; Charlotte Emlinger, CEPII; Karine Latouche, INRA

Export Decision Under Risk. Theory and Evidence from French Food Firms
Carl Gaigné, INRA UMR SMART; José De Sousa, Université of Paris-Sud; Anne-Célia Disdier, INRA

Water Use I - Mangerial Decision-Making and Depletion

Selected Presentation

Moderator: Chenggang Wang, Texas Tech University

The Gisser-Sanchez Paradox on Benefits of Groundwater Management: Revisited
C. S. Kim, USDA-Economic Research Service; Keith Fuglie, USDA-Economic Research Service; Steven Wallander, USDA-Economic Research Service; Seth Wechsler, USDA-Economic Research Service

Accounting for Well Yield Constraints in the Economic Decision-making of Groundwater Users
Samuel Collie, Colorado State University; Jordan Suter, Colorado State University; Dale Manning, Colorado State University; Joel Schneekloth, Colorado State University

Aquifer Depletion in the face of Climate Change and Technical Progress.
Nicolas Quintana Ashwell, Kansas State University; Jeffrey Peterson, Kansas State University

Sustainable Path of Extraction of Groundwater for Irrigation and Whither Jevons Paradox in Hard Rock Areas of India
Kiran Kumar Patil, University of Agricultural Sciences; MG Chandrakanth, University of Agricultural Sciences; Mahadev Bhat, Florida International University; AV Manjunatha, Institute for Social and Economic Change, Bangalore
**Concurrent Sessions — Monday, 2:45 PM - 4:15 PM**

**1057 SP** Empirical Methods - Discrete Dependent Variables  
_Sierra C, Fifth Level_

**Selected Presentation**  
The papers in this session propose new estimators for data with a discrete dependent variable or assess the reliability of software used to estimate models with discrete dependent variables.

**Moderator:** Xiang Bi, University of Florida

Mixing distributions for the Mixed Logit Model  
_Yuan Yuan_, Virginia Tech; _Wen You_, Virginia Tech; _Kevin Boyle_, Virginia Tech

On the Examination of the Reliability of Statistical Software for Estimating Logistic Regression Models  
_Jason Bergtold_, Kansas State University; _Krishna Pokharel_, Kansas State University; _Allen Featherstone_, Kansas State University

A New Estimator for Multivariate Binary Response Data  
_Shenfei Fu_, University of Georgia; _J. Scott Shonkwiler_, University of Georgia

Neural Network Estimators of Binary Choice Processes: Estimation, Marginal Effects, and WTP  
_Jason Bergtold_, Kansas State University; _Steven Ramsey_, Kansas State University

**1058 SP** Regulating Airborne Pollutants - Cost, Impact and Design Considerations for Policy  
_Sierra E, Fifth Level_

**Selected Presentation**  
This session evaluates cost and optimal design considerations for policies intended to protect air quality and reduce greenhouse gas emissions.

**Moderator:** Larry Sanders, Oklahoma State University

Price versus Quantity versus Hybrid Regulation in the Presence of Co-pollutants  
_John Stranlund_, University of Massachusetts Amherst; _Insung Son_, University of Massachusetts Amherst

Evaluating Policy Options to Reduce N2O Emissions from US Agriculture  
_Richard Klotz_, Cornell University

Costs of a Practice-Based Air Quality Regulation: Dairy Farms in the San Joaquin Valley  
_Wei Zhang_, Connecticut College

Optimal Regulation of Carbon and Co-pollutants with Spatially Differentiated Damages  
_Christine Lasco Crago_, University of Massachusetts Amherst; _John Stranlund_, University of Massachusetts Amherst
The Implications of “Big Ag Data” for Agricultural Risk/Farm Management
Sierra F, Fifth Level

Track Session – Extension/Senior Sections
A great deal of attention has been given to the rapid expansion of new integration of input, output, and climate data. This has the potential to change many aspects of farm management, but in particular risk management. A multitude of economic issues appear to arise from this scenario. This session would focus on how this type of data and the resulting analysis can influence risk management decisions and programs. The speakers are chosen to reflect varied perspectives of this rapidly evolving issue. The focus of the discussion will be on determining the opportunities for members of AAEA to engage this topic.

Organizer: Keith Coble, Mississippi State University
Moderator: Alfons Weersink, University of Guelph

What Can Geo-spatial Information Add to Crop Insurance Rating?
Thomas Worth, USDA-Risk Management Agency

The Evolving Perspective of Farm Organizations
John Anderson, American Farm Bureau Federation

Value of the Aggregated Data/policy Implications for USDA Institutions and University Researchers
Barry Barnett, Mississippi State University

The Potential for Risk Management - Industry Perspective
Ines Kapphan, Climate Corp

Children’s Food Choices throughout the Day: Looking Beyond the School Lunchroom
Sierra H, Fifth Level

Track Session – FSN/IBES Sections
Although multiple initiatives are already underway to try to manipulate children’s food choices in elementary and secondary school lunchrooms, there remains a concern that healthful lunchtime choices might be counteracted by compensatory behavior at other times of day. Children and adolescents have remarkable spending power, both potential and actual. However, most traditional research has ignored the economic activity and decisions of these young consumers, with only a few exceptions. More generally, the process by which children make food-purchasing decisions is not well understood, despite evidence that children have considerable autonomous purchasing power, and that much of it is directed toward food. Those few studies that do exist suggest that the bulk of this autonomous food purchasing behavior is directed toward energy-dense, nutrient-poor foods (e.g., Borradaile et al., 2009, Wang et al., 2007). Studying this behavior across a variety of food environments is crucial to understanding the total impact of environmental influences upon children’s dietary and health outcomes. This session reports on the results of three novel studies using very different approaches to understand children’s food choice and consumption patterns: dietary recall studies on what children eat throughout the day, children’s responses to snack food brands in choice experiments, and children’s responses to food price interventions in convenience stores.

Organizer: Sean Cash, Tufts University
Discussant: Helen Jensen, Iowa State University

Children’s Purchase Behavior in the Snack Market: The Role of Internal and External Factors
Monika Hartmann, University of Bonn; Stefanie Hecht, University of Bonn; Sean Cash, Tufts University; Anna McAlister, Michigan State University

School Lunches and Daily Calorie Intake
Andrew Hanks, The Ohio State University; David Just, Cornell University; Brian Wansink, Cornell University

Using Price Promotions to Encourage Healthier Snack Purchases by Children in Corner Stores
Sean Cash, Tufts University; Anna McAlister, Michigan State University; Megan Lehnerd, Tufts; Katie Panarella, Tufts University; Christina Economos, Tufts University
Economics of Food Losses and Waste: What are the Right Questions?

Track Session – International/AEM Sections

Three divergences between private and social optimality (negative externalities, imperfect information for optimizing agents, and non-optimizing agents with psychological biases) are shown to be the theoretical reasons for public interventions to achieve a socially optimal level of food waste. Although the policies required should address each of the theoretical sources of food waste in the private sector decisions, we identify three broad categories of sectors and hence policies: up to the farm-gate (especially in less industrialized countries but also applicable to industrialized countries), the food supply chain beyond the farm-gate, and the final consumer.

Pricing externalities, public good investments in overcoming market failures or implementing “nudge” type policies will provide incentives for economic agents to reduce waste by, among other things, increasing efficiency, composting, food donations or diverting food waste to animal feed or to anaerobic digesters for renewable energy and heat generation. Some policies will deliver a double-dividend if marketing costs (the gap between consumer and producer prices) decline if one is able to reduce waste, loss and spoilage in the marketing process, with consumer prices declining and farmer prices increasing. Some negative externalities are unique to food waste (as opposed to food produced, consumed or exported) but often it is not, which in those cases, food waste should not be singled out for internalizing negative externalities. Reducing food waste in industrialized countries will not have an insignificant impact on farm level prices in less industrialized countries, as the farm share of food expenditures is so low in rich countries. Hence, the improved food security will come mostly from actions in developing countries themselves.

Organizer: William Meyers, University of Missouri
Moderator: William Meyers, University of Missouri
Discussants: Thomas Johnson, University of Missouri; Nadia Streletskaia, Cornell University

Reducing Postharvest Loss: Are We Asking the Right Questions?

Steven Sonka, University of Illinois at Urbana-Champaign

Economics of Food Losses and Waste: Concepts and Practical Implications

Harry De Gorter, Cornell University

The Role of “Nudge” Type Policies in Reducing Food Waste: A Behavioral Economics Approach

David Just, Cornell University

 Tradable Permits

Track Session – ENV Section

This session will comprise of presentations detailing the use, various aspects, and evolution of tradable permits in environmental and natural resource economics. Presentations will relate to a variety of topics: air, water, and fisheries. Discussion regarding the implementation and challenges surrounding tradable permits should ensue.

Organizer: Matthew Freeman, Mississippi State University
Moderator: Matthew Freeman, Mississippi State University

Designing Cap and Trade to Correct for Non-Additional Offsets

Richard Woodward, Texas A&M University; Brian Murray, Duke University; Jonah Busch, Conservation International

When the Levee Breaks: Linking Markets to Improve Trading Program Participation and Performance

Richard Horan, Michigan State University; Carson Reeling, Michigan State University; Cloe Garnache, Michigan State University

Optimal Water Quality Trading in the Presence of Uncertainty and Containment Decay

Yusuke Kuwayama, Resources for the Future; Nicholas Brozovic, University of Illinois at Urbana-Champaign
Agricultural economists estimate WTP for product attributes or policy options routinely. But what kind of inference can be drawn from such estimates? A decision not to pay premium prices for organics may indicate a low valuation of environmental or health outcomes (i.e., preference). Or, it could be that the consumer does not believe that organic production will deliver such outcomes (beliefs, see Lusk, Schroeder, and Tonsor 2013). As many outcomes associated to labeled attributes (or policy alternatives) are credence in nature, many consumers’ decisions are based on both preferences and beliefs. Without accounting for beliefs, researchers cannot understand what exactly consumers are trying to buy with their food dollars, and policy recommendations based on confounded WTP estimates may be misguided. The debate over the inclusion of subjective beliefs in models of choice has just started in the food economics literature, and many issues remain unresolved. Several belief elicitation methods have been proposed, including likert scales, the probabilistic quantification of the likelihood of an outcome, or indirect experimental approaches (see Costanigro, Deselnicu, and Kroll, 2014). Another important problem relates to how to address (or avoid) endogeneity in regression models including subjective beliefs as right-hand-side variables. The proposed session is comprised of four papers presenting alternative methods for belief elicitation and approaches to econometric estimation. In addition to highlighting the pros and cons of each approach, we expect the discussion to focus on how accounting for beliefs can augment and improve the conclusions drawn from surveys and choice experiments.

**Organizer:** Marco Costanigro, Colorado State University

**Discussant:** Brian Roe, The Ohio State University

Measuring beliefs about expected prices: Reference-Dependent Decision Making when the Reference Price is Uncertain

**Jayson Lusk,** Oklahoma State University; **Vincenzina Caputo,** Korea University; **Rodolfo Nayga,** University of Arkansas

Consumer Preferences for Chianti Geographical Indications Controlling for Taste Expectations

**Marco Costanigro,** Colorado State University; **Gabriele Scozzafava,** University of Florence; **Leonardo Cassini,** University of Florence

Perceived Program Effectiveness and Farmer Preferences for Agricultural Incentive Programs

**Gregory Howard,** East Carolina University; **Brian Roe,** The Ohio State University

Including Subjective Beliefs in a Model of Salmon Consumption: a Random Matching Approach

**Yuko Onozaka,** University of Stavanger; **Marco Costanigro,** Colorado State University
Concurrent Sessions — Monday, 4:30 PM - 6:00 PM

1064 Guiding Investments in Sustainable Agricultural Intensification in Africa: New Research Evidence and Implications for Policy
Salon 1, Lower B2 Level

Invited Paper / Track Session – International Section
This invited paper session will highlight fresh evidence on three topics that are increasingly recognized as influencing the potential for sustainable agricultural intensification and productivity growth in Sub-Saharan Africa: 1) gender-differentiated determinants of adoption of interrelated agricultural technologies and practices and their impacts on farm productivity; 2) the rapid rise in medium-scale farmers, their impacts on the structure of African agriculture, and their effects on the potential for inclusive growth processes; and; 3) the rising impact of land rental market development in enhancing agricultural productivity and household well-being.

Organizers: Jordan Chamberlin, Michigan State University; Thomas Jayne, Michigan State University; Jacob Ricker-Gilbert, Purdue University; Melinda Smale, Michigan State University
Moderator: John Mellor, John Mellor Associates, Inc
Discussant: William Masters, Tufts University

How does Gender Affect Sustainable Intensification of Cereal Production in Burkina Faso?
Veronique Theriault, Michigan State University

Does the Dawn of the Emergent Farmer Imply the Twilight of the Smallholder? A Review of Recent Evidence from Africa
Milu Muyanga, Michigan State University

Rural Land Rental Markets and Household Welfare in Africa: A Synthesis of Recent Evidence from Kenya, Malawi and Zambia
Jacob Ricker-Gilbert, Purdue University

1065 Global Health: The Role of Pathogens and Pests
Salon 2, Lower B2 Level

Organized Symposium – WAEA
This session will address the economic role of pathogens and pests in global health. Keynote speaker will be Dr. Terry McElwain, Regents Professor, Paul G. Allen School for Global Animal Health, Washington State University. Dr. McElwain is a member of the National Academy of Sciences and one of the nation’s leading scientists in the effort to link animal and human diseases. Dr. McElwain will focus on the interface between animal and human health with evidence from an ongoing household sampling platform near Kisumu Kenya operated in joint collaboration with scientists (including economists) from Washington State University, the Centers for Disease Control and the Kenyan Medical Research Institute. Additional followup speakers and discussants will address the economic role of plants in global health, human and veterinarian services, and the linkage of each to food consumption/nutrition and welfare.

Moderator: Thomas Marsh, Washington State University
Discussants: Michael Dicks, American Veterinary Medical Association; Thomas Marsh, Washington State University

Linking Human and Livestock Health: Evidence from Agro-pastoral Households in Kenya
Terry McElwain, Washington State University

The Economic Role of Plants in Global Health
George Frisvold, University of Arizona
**Concurrent Sessions — Monday, 4:30 PM - 6:00 PM**

**1066  Forecasting Price Volatility for Policy Analysis**
*Salon 3, Lower B2 Level*

**Organized Symposium**
Often applied economists are asked to forecast both price levels and the volatility around those estimates for policy analysis. For example, the price of futures options markets and governmentally provided revenue insurance depend upon volatility estimates. Similarly, the Congressional Budget Office is asked to predict the cost of programs over a 10-year period and the magnitude of assumed price volatility profoundly affects budget scores. This session will focus on our ability forecast such price volatilities.

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

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

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

**Panelists:** Keith Coble, Mississippi State University; Barry Goodwin, North Carolina State University; Patrick Westhoff, University of Missouri

**1067  Food and Agricultural Marketing II**
*Salon 4, Lower B2 Level*

**Selected Presentation – Lightning Session**
This session includes a diverse set of studies that are of interest to Food and Agricultural Marketing audience. Papers will discuss oligopoly power in food industries, welfare perceptions toward cow-calf perceptions, lamb check-off program, spatially integrated wheat markets, oil price regimes and biofuel markets, food purchase decisions of US households with children, supply chain patterns in specialty crop markets and Japanese consumer perception towards GM foods.

**Moderator:** Sven Anders, University of Alberta

**Oligopoly Power in the Food Industries Revisited: A Stochastic Frontier Approach**
*Rigoberto Lopez*, University of Connecticut; Hualu Zheng, University of Connecticut; Azzeddine Azzam, University of Nebraska-Lincoln

**Similarities and Differences of Animal Welfare Perceptions between Cow-calf Producers and the US Public**
*Melissa McKendree*, Kansas State University; Glynn Tonsor, Kansas State University; Christopher Wolf, Michigan State University

**Returns to Stakeholders from the American Lamb Checkoff Program: A Supply Chain Analysis**
*Somali Ghosh*, Texas A&M University; Gary Williams, Texas A&M University

**Bayesian Threshold Adjustment in Spatially Integrated Wheat Markets**
*Dmytro Serebrennikov*, Leibniz Institute of Agricultural Development in Transition Economies; Linde Goetz, Leibniz-Institute for Agricultural Development in Middle and Eastern Europe

**The Effect of Oil Price Regimes on Biofuel Markets**

**Factors Affecting Food Purchase Decisions of US Households with Children across Food Retail Channels over the Period 1998-2013**
*Senarath Dharmasena*, Texas A&M University; Oral Capps, Jr., Texas A&M University

**An Evaluation of Firm and Contract Characteristics Valued by Supply Chain Partners in Specialty Crop Marketing Channels**
*Michael Barrowclough*, Virginia Tech; Kathryn Boys, North Carolina State University; Carlos Carpio, Texas Tech University

**Japanese Consumer Preferences toward GM Foods after the Great East Japan Earthquake**
*Kayode Ajewole*, Kansas State University; Koichi Yamaura, Tokyo University of Agriculture and Technology; Hikaru Hanawa Peterson, Kansas State University
1068 SP Time Series Data and Analytics in the Agribusiness Sector
Salon 5, Lower B2 Level

Selected Presentation
Papers in the session propose econometric methods to address knotty data issues ranging from data aggregation to forecasting.

Moderator: Miao Wang, University of Illinois at Urbana-Champaign

Efficiency Gains in Commodity Forecasting with High Volatility in Prices using Different Levels of Data Aggregation
Luis Pena-Levano, Purdue University; Octavio Ramirez, University of Georgia; Mario Renteria Pinon, University of Washington

Estimating US Crop Supply Model Elasticities Using PMP and Bayesian Analysis
Michael Hudak, Iowa State University

Do Analysts Forecast the Ending Stocks or the USDA Forecasts?
Jinzhao Xiao, Iowa State University; Sergio Lence, Iowa State University; Chad Hart, Iowa State University

1069 SP Decision Making Biases and Food Choices
Salon 6, Lower B2 Level

Selected Presentation
This session focuses on how decision making influences food choice and health. Nutrition information, self-assessed health, commitment cost, and health insurance are all assessed regarding their impact on health related outcomes.

Moderator: Jessica Cao, University of Guelph

“Go-Slow-Whoa!” Will Nutritional Information Influence Adolescent Food Choices and Lead to a Healthier Generation?
Hope Graham, West Texas A&M University; Mallory Vestal, West Texas A&M University; Bridget Guerrero, West Texas A&M University

Adjusting Self-Assessed Health for Potential Bias Using a Random-Effects Generalized Ordered Probit Model
Qingqing Yang, Washington State University; Robert Rosenman, Washington State University

Does Health Insurance Encourage Obesity? A Study of Moral Hazard
Elizabeth Botkins, The Ohio State University

Testing Commitment Cost in Food Choices: A Non-hypothetical Choice Experiment Approach
Claudia Bazzani, University of Bologna; Vincenzina Caputo, Korea University; Rodolfo Nogga, University of Arkansas; Maurizio Canavari, University of Bologna

1070 SP Energy Economics II - Gasoline and Natural Gas Price Determination and Policy Implications
Nob Hill A, Lower B2 Level

Selected Presentation
This session examines what determined gasoline and natural gas prices and provides insights into policies such as optimal fuel economy taxation and adopting flex-fuel technology.

Moderator: Kelly Cobourn, Virginia Tech

US Natural Gas Price Determination: Fundamentals and the Development of Shale
Seth Wiggins, West Virginia University; Xiaoli Etienne, West Virginia University

Consumer Heterogeneity and Gasoline Price Response: Implications for Optimal Fuel Economy Taxation
Edson Okwelum, University of Rhode Island

Integration in Gasoline and Ethanol Markets in Brazil over Time and Space under the Flex-fuel Technology
Hector Nunez, Centro de Investigación y Docencia Económicas; Jesús Otero, Universidad del Rosario

Price Dynamics under Structural Changes with Unknown Break Points within the North America Natural Gas Spot Markets
Kannika Duangnate, Texas A&M University; James Mjelde, Texas A&M University
Concurrent Sessions — Monday, 4:30 PM - 6:00 PM

1071 Food Security III - The Role and Impact of SNAP in the US
Nob Hill B, Lower B2 Level

Selected Presentation
This set of papers addresses food security issues and the Supplemental Nutrition Assistance Program (SNAP), the largest food assistance program in the federal portfolio. The session will address the economic factors affecting SNAP participation as well as the economic impacts of SNAP.

Moderator: Ephraim Leibtag, USDA-Economic Research Service

Household Consumption Responses to SNAP Participation
Shaheer Burney, University of Kentucky

Consumption Smoothing through Food Sharing in SNAP Households
Timothy Beatty, University of California, Davis; Xinze Cheng, University of California, Davis; Charlotte Tuttle, USDA-Economic Research Service

Able-bodied Adult SNAP Participation and Work Incentives
Elton Mykerezi, University of Minnesota; Joel Cuffey, University of Minnesota

SNAP Eligibility and Participation Dynamics: The Roles of Policy and Economic Factors from 2004 to 2012
Constance Bradshaw Newman, USDA-Economic Research Service; Erik Scherpf, USDA-Economic Research Service; Mark Prell, USDA-Economic Research Service

1072 Food Safety I - Consumer Attitudes, Outbreak Effects, Public Disclosure, and Regulatory Costs
Pacific H, Fourth Level

Selected Presentation
This session focuses on food safety.

Moderator: Julie Caswell, University of Massachusetts Amherst

Examining how British Consumers’ Food Safety Attitudes Influence their Country of Origin Preferences for Beef
Karen Lewis, University of Tennessee; Carola Grebitus, Arizona State University; Gregory Colson, University of Georgia; Wuyang Hu, University of Kentucky

Food Safety Performance and Public Disclosure: The Value of Information in Encouraging Improvements in Food Safety
Michael Ollinger, USDA-Economic Research Service; John Bovay, USDA-Economic Research Service; Megan Hrdlicka, Georgetown University; James Wilkus, USDA-Food Safety and Inspection Service

The Impact of Foodborne Illness Outbreaks on Farm Entry and Exit: The Case of Tomatoes
Ioana Marasteanu, Food and Drug Administration; Travis Minor, Food and Drug Administration

Impacts of the Food Safety Modernization Act on On-Farm Produce Safety Practices in Small and Medium Size Operations
Aaron Adalja, University of Maryland; Erik Lichtenberg, University of Maryland
Concurrent Sessions — Monday, 4:30 PM - 6:00 PM

1073 **Gender and Intrahousehold Allocation Issues**  
*Pacific I, Fourth Level*

**Selected Presentation**
Papers presented in this session investigate gender and household issues in development. The first paper looks at gender preferences for fertilizer use, while the second looks at gender preferences related to technology adoption. The third paper investigates intrahousehold resource allocation, while the fourth paper estimates shadow costs for fuelwood substitution.

**Moderator:** Sarah Janzen, Montana State University

- **Norms of Intrahousehold Allocation within Nuclear and Extended-Family Households in Rural Burkina Faso**  
  Harounan Kazianga, Oklahoma State University; Zaki Wahhaj, University of Kent

- **Estimating Shadow Costs and Source Substitution for Fuelwood in Western Kenya**  
  David Murphy, Cornell University; Julia Berazneva, Cornell University; David Lee, Cornell University

- **Gender-specific Risk Preferences and Fertilizer Use in Kenyan Farming Households**  
  Ganna Sheremenko, University of Georgia; Nicholas Magnan, University of Georgia

- **Gender and Dynamics of Agricultural Technology Adoption: Evidence from Uganda**  
  Khushbu Misbra, The Ohio State University; Abdoul Sam, The Ohio State University; Mario Miranda, The Ohio State University

1074 **Fisheries**  
*Pacific J, Fourth Level*

**Selected Presentation**

**Moderator:** Mani Rouhi Rad, University of Illinois at Urbana-Champaign

- **The Economic Cost of Ignoring Fishery Induced Evolution**  
  James Wilen, University of California, Davis; James Sanchirico, University of California, Davis; Amanda Faig, University of California, Davis; Marissa Baskett, University of California, Davis

- **Analyzing Implied Discount Rates from the Gulf of Mexico IFQ Programs**  
  Andrew Ropicki, Texas A&M University; Sherry Larkin, University of Florida

- **Behavioral Response of Fishers to Hypoxia and the Distributional Impact on Harvest**  
  Zinnia Mukherjee, Simmons College; Kathleen Segerson, University of Connecticut

- **Accounting for Internal Organization and Spatial Scale in Spatial Property Rights Fisheries**  
  Gabriel Sampson, University of California, Davis; James Sanchirico, University of California, Davis; James Wilen, University of California, Davis

1075 **Energy Intensity of Agricultural Production**  
*Pacific F, Fourth Level*

**Selected Presentation**
Papers in this session examine forces influencing energy intensity of agricultural production.

**Moderator:** Scott Malcolm, USDA-Economic Research Service

- **Elasticities of Demand for Energy Inputs in Crop Production: Impact of Rotation**  
  Lyubov Kurkalova, North Carolina A&T State University; Stephen Randall, City of Greensboro

- **An Empirical Investigation of the Stanford’s “1.2 Rule” for Fertilizer Recommendation**  
  Divina Gracia Rodriguez, Norwegian Agricultural Economics Research Institute; David Bullock, University of Illinois at Urbana-Champaign

- **Economic Impacts of Diversified Cropping Systems**  
  Kranti Mulik, Union of Concerned Scientists
Concurrent Sessions — Monday, 4:30 PM - 6:00 PM

1076 Water Use II - Policy Topics
Sierra A, Fifth Level

Selected Presentation
This session addresses issues related to non-point source water quality concerns in agricultural and urban settings.

Moderator: Jeffrey Mullen, University of Georgia

Does Federal Crop Insurance Encourage Farm Specialization and Fertilizer and Chemical Use?
Jeremy Weber, University of Pittsburgh; Nigel Key, USDA-Economic Research Service; Erik O’Donoghue, USDA-Economic Research Service

Agricultural Cost Sharing and Conservation Practices for Nutrient Reduction in the Chesapeake Bay Watershed
Patrick Fleming, University of Maryland; David Newburn, University of Maryland

Prediction of the Supply of Water Quality Benefits from Cover Crops Using a Dynamic Crop Choice Model
Yongjie Ji, Iowa State University; Sergey Rabotyagov, University of Washington; Adriana Valcu, Iowa State University

Optimal Stormwater Runoff Management Policy in a Dynamic Setting
Olesya Satechenko, University of Illinois at Urbana-Champaign; Amy Ando, University of Illinois at Urbana-Champaign

1077 Crop Insurance II - Managing Weather Risk
Sierra B, Fifth Level

Selected Presentation
Index insurance is a promising alternative to indemnity-based insurance. This session addresses current issues in weather risk and weather index insurance.

Moderator: Ashley Hungerford, USDA-Economic Research Service

Does Past Experience with Natural Disasters Affect Willingness-to-Pay for Weather Index Insurance? Evidence from China
Xianglin Liu, The Ohio State University; Yingmei Tang, Nanjing Agricultural University; Mario Miranda, The Ohio State University

Geostatistics, Basis Risk, and Index Insurance
Michael Norton, University of California, Davis; Leslie Verteramo Chiu, Cornell University

Self-Protection from Weather Risk using Improved Maize Varieties and Off-Farm Income and the Propensity for Insurance
Sebastain Awondo, University of Georgia; Octavio Ramirez, University of Georgia; Gregory Colson, University of Georgia; Genti Kostandini, University of Georgia; Esendugue Fonsah, University of Georgia

1078 Challenges in Non-Market Valuation and Techniques to Address Them
Sierra C, Fifth Level

Track Session – ENV Section
Four papers examining challenges to the accurate estimation of non-market values and exploring techniques to address them.

Organizer: Matthew Interis, Mississippi State University

Moderator: Matthew Interis, Mississippi State University

Designing Policy Incentives for Cleaner Technology: Lessons from California’s Plug-in Electric Vehicle
Richard Carson, University of California, San Diego; J.R. DeShazo, University of California, Los Angeles; Tamara Sheldon, University of South Carolina

A Structural Approach to Health and Environmental Valuation
Allen Klaiber, The Ohio State University

Modelling Recreation Behavior of Bird Watchers with Data from a Citizen Science Project
Trudy Cameron, University of Oregon; Sonja Kolstoe, University of Oregon

Off-Road Vehicles, Endangered Species and Beach Closures at Cape Hatteras National Seashore
Roger Von Haefen, North Carolina State University; Steven Dundas, North Carolina State University; Carol Mansfield, RTI International
Concurrent Sessions — Monday, 4:30 PM - 6:00 PM

1079 Costs and Consequences of Recent Legislation Affecting Dairy and Food Safety
Sierra E, Fifth Level

Track Session – ARA/FSN Sections
This organized session will focus on impacts related to parts of two key pieces of legislation, namely, the Dairy Title of the 2014 Farm Bill, and the Food Safety Modernization Act of 2011. Specific focus will be given to how the new regulations and policies will be implemented, projected costs, and other implications for US farms, food processors, and other agribusiness. The potential implications of these policies on the profitability and risk of farms and smaller-scale agribusiness firms will be of particular focus.

Organizers: Marin Bozic, University of Minnesota-Twin Cities; Peyton Ferrier, USDA-Economic Research Service
Moderator: Martha Sullins, Colorado State University

Implementing FSMA Produce Rules: Cost Variation by Commodity and Region
John Bovay, USDA-Economic Research Service; Peyton Ferrier, USDA-Economic Research Service; Chen Zhen, Research Triangle Institute

Foreign Supplier Verification Requirements: FSMA's Long Reach into International Food and Feed Markets
Kathryn Boys, North Carolina State University; Julie Caswell, University of Massachusetts Amherst; Sandra Hoffmann, USDA-Economic Research Service

The Analysis of Dairy Margin Protection Program Adoption Decisions Using Administrative Enrollment Data
Marin Bozic, University of Minnesota; Fanda Yang, University of Minnesota; John Newton, University of Illinois at Urbana-Champaign

Understanding Dairy Farm Financial Risk
Fanda Yang, University of Minnesota; John Newton, University of Illinois at Urbana-Champaign; Andrew Novakovic, Cornell University; Wayne Knoblach, Cornell University; Mark Stephenson, Cornell University

1080 Enhancing the Applied Knowledge of Local Food Systems' Economic Impacts: A National Research and Training Effort
Sierra E, Fifth Level

Track Session – CRENET Section
This paper session will be an organized forum to present results of a national effort aimed at improving the knowledge base for modeling and interpreting results of the economic impacts of local food systems. A small but rapidly growing part of the food supply, local food systems have many potential benefits for rural areas including stimulating beneficial social capital, improving the local quality of life, spurring entrepreneurship, and supporting local economic growth because of import substitution. Partly because of such opportunities, advocates have advanced local food systems without the requisite empirics or understanding best practice measurement tools to truly capture the resulting impacts of these initiatives.

In response to this need for understanding best practice methodology for estimating the impacts of local and regional food systems, a group of eleven researchers and practitioners from across the US was commissioned by the USDA Agricultural Marketing Service (AMS) to construct a set of best practices modules with regard to this topic. The expectation is that this set of modules will be widely used in training efforts and applied economic outreach and research. Our goal is to enhance the knowledge base of individuals working in the local foods arena thereby leading to on the ground investments and programming efforts that are better rooted in economic reality. The session will cover the key content of the modules, justification of where and how one might use the modules in professional outreach efforts, and the goals of USDA-AMS with respect to how the toolkit will guide their future grant and programming efforts.

Organizers: David Hughes, University of Tennessee; David Swenson, Iowa State University; Dawn Thilmany McFadden, Colorado State University
Moderator: Dawn Thilmany McFadden, Colorado State University
Discussant: Philip Watson, University of Idaho

Framing the Food System Policy Setting: An Overview of Project Goals and Objectives
Dawn Thilmany McFadden, Colorado State University; Alfonso Morales, University of Wisconsin

Use of Primary and Secondary Data in Evaluating Local Food Systems
David Conner, University of Vermont; Ken Meter, Crossroads Resource Center

Using IMPLAN as a Means of Understanding the Linkages and Contribution of Local Foods to Local Economies
Steven Deller, University of Wisconsin; Becca Jablonski, Colorado State University

Evaluating the Opportunity Cost of Local Food Systems in a Changing Market Environment
David Hughes, University of Tennessee; David Swenson, Iowa State University; Allison Bauman, Colorado State University
Concurrent Sessions — Monday, 4:30 PM - 6:00 PM

1081 Understanding and Analyzing IRI Scanner Data
Sierra H, Fifth Level

Track Session – FSN/GSS Sections

Government agencies and academic researchers are increasingly using proprietary commercial data on point-of-sale and household food purchases. Previously, many high profile research projects conducted in collaboration with the USDA Economic Research Service (ERS) relied on Nielsen Homescan household-based scanner data spanning the years 1999-2010. However, ERS has more recently begun acquiring more extensive data from IRI including household-based scanner data (Consumer Network), retail scanner data (InfoScan), detailed nutrition data at the UPC level, and health and wellness data for a subset of the households (RxPulse and MedProfiler) spanning the years 2008-2013. With the availability of these new data, it is important to understand the characteristics and statistical properties of the data because these may have important implications for interpreting analysis results. Furthermore, it is now possible to conduct more extensive analyses than in previous years. The purpose of this session is to present and discuss analyses examining the properties of the data and results of initial analyses. These presentations will be of great value to graduate students and to food policy researchers who would like to gain an understanding of how the data may be used to address a broad range of research questions.

Organizer: Mary Muth, RTI International
Moderator: Carlos Carpio, Texas Tech University

Using IRI Household Data: An Application to Produce Purchasing Behavior and Health Outcomes
Christiane Schroeter, California Polytechnic State University, San Luis Obispo; Xiaowei Cai, California Polytechnic State University, San Luis Obispo; Richard Volpe, III, USDA-Economic Research Service

Do Differences in Reported Expenditures Between Commercial Household-Based Scanner Data and Government Surveys Matter in a Structural Model of Food Demand?
Chen Zhen, Research Triangle Institute; Mary Muth, Research Triangle Institute; Shawn Karns, Research Triangle Institute; Derick Brown, Research Triangle Institute; Peter Siegel, Research Triangle Institute; Abigail Okrent, USDA-Economic Research Service

Product Entry and Exit: Evidence and Nutrient Content Implications
David Levin, USDA-Economic Research Service; Steve Martinez, USDA-Economic Research Service

Differences in the Estimated Value of Health Labeling Statements to Consumers between IRI and Gladson Nutrition Data: Breakfast Cereal and Soup
Kristen Capogrossi, Christensen Associates; Mary Muth, Research Triangle Institute; Chen Zhen, Research Triangle Institute; David Levin, USDA-Economic Research Service
Innovative Methods for Teaching Industry Skills to Students

Sierra I, Fifth Level

Track Session – TLC/AEM Sections

Today it is important that universities produce graduates that are ready to compete in a global business environment. As industries evolve and expand, students need to be able to adapt and integrate into the business as soon as possible. Agribusiness programs do a good job teaching technical skills to students, but many times it is difficult to find ways to bring “real world” decision making into the classroom. There are innovative methods for teaching critical thinking and decision-making skills to students. These can include integrating case studies and simulations into curriculum, requiring internships, using collegiate team competitions to teach, and partnering with industry professionals to enhance education. The use of innovative teaching techniques may require faculty to change their approach to classroom teaching, but it will allow you to move beyond simply teaching facts and technical skills to developing students with critical thinking skills.

Specific panel discussion topics include:

- Effective use of teaching materials (case studies, presentations, etc.) to develop decision-making skills in students at both the graduate and undergraduate level.
- Integrating industry mentors into the educational process.
- Teaching entrepreneurship through developing innovative tools (collegiate pitch nights, competitions, industry partnerships) on campus.
- Developing partnerships between agribusiness faculty and college of business faculty to expand and develop student entrepreneurship and industry skills.
- Using academic collegiate teams (AAEA, NAMA, Agricultural Innovation Prize, etc.) to develop industry skills.

Organizer: Joey Mehlhorn, University of Tennessee at Martin

Panelists: Sierra Howry, University of Wisconsin-River Falls; Joey Mehlhorn, University of Tennessee at Martin; Morgan Miles, University of Tennessee at Martin; Rachna Tewari, University of Tennessee at Martin; James White, University of Wisconsin-River Falls

Reexamining Agricultural Commercialization in the Developing World: The Cash Versus Food Production Tradeoff

Sierra J, Fifth Level

Track Session – International/IAAE Sections

Agricultural commercialization, in the context of household productivity and welfare, is reemerging as a topic of interest in both agricultural and applied economic research and development in general. Agricultural commercialization, based on a comparative advantage in labor intensive cash crops, is widely touted as a key step in the transition from subsistence to high-value production. As developing countries encourage households to move from growing crops for their own-use to growing crops for export markets, a closer examination of the costs and benefits from this transition is needed. There are a number of unanswered questions around how the agricultural commercialization process influences developing world households, ranging from how well these transitions actually improve household outcomes to possible heterogeneous impacts depending on household production, demographic characteristics, and supply-side constraints. These questions have become of greater importance as globalization allows developing world farmers to access larger markets, and higher prices, in recent years. Understanding the costs and benefits of transiting to export crop production systems should aid in the design of future agricultural development projects.

Organizer: Benjamin Wood, International Initiative for Impact Evaluation

Moderator: Everett Peterson, Virginia Tech

Discussant: William Martin, World Bank

Agricultural Prices, Household Wellbeing, and Poverty Alleviation. The Role of Agricultural Supply Chains and Household Constraints in Sub Saharan Africa

Nicolas Depetris Chauvin, Haute école de gestion de Genève; Guido Porto, World Bank

The Welfare Impacts of Rising Quinoa Prices: Evidence from Peru

Marc Bellemare, University of Minnesota; Seth Gitter, Towson University; Johanna Fajardo-Gonzalez, University of Minnesota

Replicating Missing Markets: Rebuilding the Evaluation Brick by Brick

Benjamin Wood, International Initiative for Impact Evaluation; Michell Dong, World Bank
Farm labor in the US is made up of approximately 1.1 million workers and has been relatively stable for at least the past decade. Immigrant labor is an important component of many, if not most, agricultural enterprises. The 2010 Population Survey estimates that in 2010, 57.2% of the agricultural hired labor force was foreign-born. Approximately 62% of those foreign employees worked in crop production, while the remainder worked in livestock. Moreover during the past decade, approximately half of the farm labor force was made up of unauthorized workers. The preponderance of unauthorized workers in the farm labor force has made immigration policy a major issue for agriculture. Presentations will examine whether or not the recent slowdown in Mexico-US migration to fill farm jobs is likely to persist and how US agriculture is responding to the end of farm labor abundance. A national survey of US dairy farms will be analyzed to determine the importance of hired immigrant labor to US milk production, the effects of immigrant labor losses on US milk production and herd size, and the economic impacts on economic output, income and employment in the US dairy sector and supporting industries. Another presentation studies the determinants of urban and rural labor market discrimination in Hispanics using lab experiments to better understand the causes of agricultural and non-agricultural labor market discrimination in Hispanics job-seekers.

Organizers: Marco Palma, Texas A&M University; Luis Ribera, Texas A&M University
Moderator: Lurleen Walters, Mississippi State University

Border Issues
Philip Martin, University of California, Davis; J. Edward Taylor, University of California

The Economic Impacts of Immigration on US Dairy Farms
Flynn Adcock, Texas A&M University; David Anderson, Texas A&M University; C. Parr Rosson, III, Texas A&M University

Hispanic Job-Seekers Outside the Fields: Are They Discriminated?
Emiliano Lopez Barrera, North Dakota State University; Juan Murguia, North Dakota State University
Concurrent Sessions — Tuesday, 9:45 AM - 11:15 AM

2001 Safety and Sustainability in Food and Agriculture: Case Studies
Salon 1, Lower B2 Level

Invited Case Studies
Voluntary labeling of antibiotic use within a monopolistically competitive industry, in this case the broiler industry; the impact of the Deepwater Horizon oil platform tragedy on seafood demand, for both aquaculture and capture fisheries; and the challenges of implementing a vaguely defined, but popular concept such as sustainability in a large organization with a cooperative corporate structure are the subject of three research papers presented in this session. Case studies showing how the application of economic principles may inform the public or private sectors in making better decisions are used in the research studies.

Moderator: Peter Stenberg, USDA-Economic Research Service

Making Sustainability Tangible: Land O’Lakes and the Dairy Supply Chain
James White, University of Wisconsin-River Falls; Michael Boland, University of Minnesota

Maria Bowman, USDA-Economic Research Service; Kandice Marshall, USDA-Economic Research Service; Fred Kuchler, USDA-Economic Research Service; Loretta Lynch, USDA-Economic Research Service

Seafood Safety and Marketing: The Case of the Deepwater Horizon Tragedy
Steven Vickner, Wilmington College

2002 Enhancing African Agricultural Transformation
Salon 2, Lower B2 Level

Organized Symposium
For almost two centuries development theory and policy has centered on structural transformation characterized by massive migration of labor from a relatively low-income rural agricultural sector to a high-wage urban industrial sector. The presentations in this symposium examines how agriculture could support policy goals specified in the Malabo Declaration. Specifically, the symposium examines the political will required to create the necessary policy and institutional changes, the role of the input market in supporting technological innovations, and the potential role of agribusiness in reducing the level of unemployment in rural communities including the employment of women and youth.

Organizer: James Oehmke, USAID

Discussants: Jock Anderson, World Bank; Andrew Schmitz, University of Florida

Panelists: Charles Moss, University of Florida; Anwar Naseem, McGill University; Lori Post, Yale University
A Comparative Analysis of Modeling Approaches and Drought Policy Response in the Western U.S and Australia:
Hydro-Economic Modeling Approaches

Salon 3, Lower B2 Level

Organized Symposium – AARES

The Western U.S. is currently enduring a fourth year of extreme drought and dry conditions in Australia persisted for most of the first decade of this century. This session will provide a comparative analysis of two interacting components of drought management: (1) hydro-economic policy models that generate information and predict response, and (2) a critical evaluation of policy implementation (Session 2028 on Tuesday, in Salon 3 from 1:00 pm – 2:30 pm).

Australia and the Western U.S. have taken different approaches to water and drought management largely based on differences in water property rights. The role of markets in drought management in Australia is significantly greater, and more transparent, than it is in the U.S., although the interaction of different sectors in the Australian water market remains contentious. Western U.S. water supplies under drought conditions are dominated by reliance on groundwater, in contrast to the Murray Darling Basin with emphasis on surface water management. Despite the overwhelming importance of groundwater, U.S. water policy has historically been characterized by ill-defined groundwater rights but well defined surface water rights. Australia has decoupled its water and land property rights whereas in California the doctrine of beneficial use implies that water property rights depend on land use.

This session will consider hydro-economic modeling approaches used to forecast impacts and generate information, and the effectiveness of recent policy response to drought. Presenters will offer both theoretical and practical insights with the aim of distilling lessons for further policy advice.

Organizers: Richard Howitt, University of California, Davis; Duncan MacEwan, ERA Economics

Panelists: Richard Howitt, University of California, Davis; Frank Ward, New Mexico State University; Glyn Wittwer, Victoria University

Modeling Drought Impacts and Adjustments in the Rio Grande Basin

Frank Ward, New Mexico State University

Hydro-Economic Analysis of Drought Impacts in California

Duncan MacEwan, ERA Economics

A CGE Approach to Modeling Drought Impacts

Glyn Wittwer, Victoria University.
### Selected Presentation – Lightning Session

The eight papers in this lightning round focus on three key issues in development. The first group of papers measure technology adoption and its impact. The second group of papers estimates land market impacts, while the third group of papers looks at labor market issues and resilience in agriculture.

**Moderator:** John Mellor, John Mellor Associates, Inc

**The Effect of NREGA on Agricultural Production, Labor, and Technology Adoption: New Evidence from a Detailed Indian Household-Plot Panel**

*Anil Bhargava*, University of Michigan

Spatial Dependency of Technical Efficiency in Rice Farming; Bohol, Philippines

*Valerien Pede*, International Rice Research Institute; *Justin Mckinley*, International Rice Research Institute; *Kei Kajisa*, International Rice Research Institute

Micro and Meso-Level Issues Affecting Potato Production and Marketing in the Tropical Highlands of Sub-Saharan Africa: The Known and the Unknowns

*Julius Okello*, International Potato Center; *Norman Kwikiriza*, International Potato Center; *Rogers Kakuhenzire*, International Potato Center; *Monica Parker*, International Potato Center; *Elmar Schulte-Geldermann*, International Potato Center; *Kennedy Otieno Pambo*, University of Nairobi

The Effect of Indonesian Farmers' Preferences for Crop Attributes in the Adoption of Horticulture Crops: A Best-Worst Scaling Approach

*Supre Suprehatin*, University of Adelaide; *Wendy Umberger*, University of Adelaide; *Dale Yi*, Michigan State University; *Nicholas Minot*, International Food Policy Research Institute; *Randy Stringer*, University of Adelaide

Estimating the Effect of Land Fragmentation on Machinery Use and Crop Production

*Wangyang Lai*, The Ohio State University; *Brian Roe*, The Ohio State University; *Yumei Liu*, China Agricultural University

Understanding Agricultural Labor Exits in Sub-Saharan Africa

*Ellen McCullough*, Cornell University

Direct Effects of Formal Savings Adoption on Agricultural Investments among the Poor: Experimental Evidence from Malawi

*Jeffrey Flory*, Claremont McKenna College

Resilience Measurement - A Moments-Based Approach to Resilience Identification and Aggregation

*Jennifer Cisse*, Cornell University; *Christopher Barrett*, Cornell University

### Experimental Economics III - Agribusiness Research Findings

**Selected Presentation**

Experimental economics is one of the fastest growing fields of empirical economics. The papers in this session address consumption, production, and the role of information through the lens of agribusiness.

**Moderator:** Mark Manfredo, Arizona State University

Producers’ and Consumers’ Willingness to Pay for Bioplastic Pots: Experimental Auction Approach

*Barrett Kirwan*, University of Illinois at Urbana-Champaign; *Breonna Ellison*, University of Illinois at Urbana-Champaign; *Atul Nepal*, University of Illinois at Urbana-Champaign

Do Picture Labels Give Better Idea to Customers? A Comparison of Picture Labels to Traditional Text Describe Labels in Choice Experiments

*Chenyi He*, University of Florida; *Zhifeng Gao*, University of Florida

Can Religious Priming Mitigate Hypothetical Bias? Evidence from a Choice Experiment

*Kar Ho Lim*, Korea University; *Carola Grebitus*, Arizona State University; *Wuyang Hu*, University of Kentucky; *Rodolfo Nayga*, University of Arkansas

The Impact of Customer Review on Consumer Preference for Fresh Produce: A Choice Experiment Approach

*Chenyi He*, University of Florida; *Zhifeng Gao*, University of Florida
**Concurrent Sessions — Tuesday, 9:45 AM - 11:15 AM**

**2006 SP** The Games People Play: Methodological Advances in Aspiration Windows, Auctions, and Investments

*Salon 6, Lower B2 Level*

**Selected Presentation**

This session provides important methodological advances in institutional and behavioral economics. Specifically, bid shading in discriminatory auctions, auctioneer versus a dominant bidder, aspirations windows, and investment games are examined as tools for explaining real world phenomena.

**Moderator:** Donald Malone, III, Oklahoma State University

Aspirations Windows, Gaps, and Failures: Evidence from Nepal
Sarah Janzen, Montana State University; Nicholas Magnan, University of Georgia; David Spielman, International Food Policy Research Institute; **William Thompson**, University of Georgia

Dissecting an Investment Game: Evidence from a Field Experiment in Rural Cameroon
Cornelis Gardebroek, Wageningen University; **Niccolo Meriggi**, Wageningen University; Koen Leuveld, Wageningen University; Erwin Bulte, Wageningen

An Empirical Documentation of Bid Shading in the Discriminatory Auction
**Rebecca Elskamp**, University of Guelph

Auctioneer Versus a Dominant Bidder: Evidence from a Cattle Auction
**Kalyn Coatney**, Mississippi State University; Ardian Harri, Mississippi State University

**2007 SP** Technology Adoption II - R&D Spillovers, GMO Adoption, and Land Use

*Nob Hill A, Lower B2 Level*

**Selected Presentation**

This set of papers explores the economics of agricultural innovation. Technology development, approval, protection, and acceptance all impact the economics of agricultural innovation.

**Moderator:** Alexander Wiredu, University of Hohenheim

Producer-funded Innovation: R&D Spillovers across Levy Programs
**Zhibhua Xiao**, Inner Mongolia Agricultural University

Indian Acceptance of Cisgenic Rice: Are All GMOs the Same?
**Aaron Shew**, University of Arkansas; Lawton Lanier Nalley, University of Arkansas; Bruce Dixon, University of Arkansas; Diana Danforth, University of Arkansas; Anne-Cecile Delwaide, University of Arkansas; Rodolfo Nayga, University of Arkansas

Evaluation of Economic and Land Use Impacts of Substituting Non-GMO Crops for GMO in the US
Farzad Taheripour, Purdue University; Harrison Mahaffey, Purdue University; **Wallace Tyner**, Purdue University

India's Experience of Plant Variety Protection: Trends, Determinants, and Impact
**P. Venkatesh**, Indian Agricultural Research Institute; V Sangeetha, Indian Agricultural Research Institute; Suresh Pal, Indian Agricultural Research Institute

**2008 SP** Food Safety II - Safety Certification, Food Recalls, and Liability Costs

*Nob Hill B, Lower B2 Level*

**Selected Presentation**

The session focuses on food safety.

**Moderator:** William Masters, Tufts University

Strategic Selection of Certifiers: Evidence from the BRC Food Safety Standard
Táliá Bar, University of Connecticut; **Yuqing Zheng**, University of Kentucky

Food Safety Recalls and the Demand for Leafy Greens
**Elina Tselepidakis**, University of Maryland

Penalties for Foodborne Illness: Jury Decisions and Awards in Foodborne Illness Lawsuits
**Omchand Mabdu**, Virginia Tech; Kathryn Boys, North Carolina State University; L. Leon Geyer, Virginia Tech; Michael Ollinger, USDA-Economic Research Service

The Business of Safe Food: An Assessment of the Global Food Safety Certification Industry
**Kathryn Boys**, North Carolina State University; Julie Caswell, University of Massachusetts Amherst; Sandra Hoffmann, USDA-Economic Research Service; Samantha Colarusso, University of Massachusetts Amherst
Concurrent Sessions — Tuesday, 9:45 AM - 11:15 AM

2009 SP Competition, Contracting, and Innovation in Agricultural Markets
Pacific A, Fourth Level

Selected Presentation
Papers in this session empirically and theoretically study introduction of new seed varieties, pricing strategies in the presence of capacity constraints, and adoption of production and marketing contracts.

Moderator: Iryna Demko, The Pennsylvania State University

Market Size and Innovation: An Application to the French Seed Market for Large Crops
Sylvie Charlot, INRA-GAEL, Grenoble; Chokri Dridi, University of Valenciennes; Stephane Lemarie, INRA

Biomass Contract for Ethanol Production: The Role of Risk Preferences and Land Quality
Kasu Wamisho, North Dakota State University; David Ripplinger, North Dakota State University

Corn and Soybean Marketing Contract Adoption and Site-Specificity
Matthew Elliott, South Dakota State University; Lisa Elliott, South Dakota State University; Yan Lin, South Dakota State University

Capacity Constraints and Spatial Competition in Agricultural Markets
Juan Pablo Sesmero, Purdue University; Joseph Balagtas, Purdue University

2010 SP Child Health and Food Security Measures
Pacific B, Fourth Level

Selected Presentation
Three papers in this session investigate different dimensions, i.e. agricultural diversification, asset holding, and women’s autonomy to explain indicators of child health, nutrition, and educational achievement. The last paper assesses the extent to which rising food prices affected self-reported measures of food security and well-being.

Moderator: Eugenie Maiga, Université de Koudougou

The Effect of Agricultural Diversification on the Anthropometric Outcomes of Children: Evidence from Tanzania
Paula Cordero Salas, University of Alabama; Susan Chen, University of Alabama

How Much do Self-Reported Measures of Food Security Tell us About Nutrition? Evidence from the Gallup World Poll
Sharad Tandon, USDA-Economic Research Service

Effects of Asset Holding on Child Development Indicators in Tanzania
Kashi Kafle, University of Illinois at Urbana-Champaign; Dean Jolliffe, World Bank

Role of Food Insecurity and Women’s Autonomy on Child Health: Empirical Evidence from Nepal
Pratikshya Sapkota Bastola, Washington State University; Umesh Bastola, Washington State University
Concurrent Sessions — Tuesday, 9:45 AM - 11:15 AM

2011 SP Energy Economics III - Impacts of Oil and Gas Production and Electricity Pricing Policies
Pacific C, Fourth Level

Selected Presentation
The papers in this session focus on the economic and environmental impacts of oil and gas production as well as the performance of electricity pricing policies.

Moderator: Jerome Dumortier, Indiana University-Purdue University Indianapolis

Private Royalties from US Onshore Oil and Gas Production: Their Size, Geographic Distribution, and Determinants
Jason Brown, Federal Reserve Bank of Kansas City; Timothy Fitzgerald, Montana State University; Jeremy Weber, University of Pittsburgh

Impact Assessment of Time-of-Use Pricing: Evidence from a Natural Experiment in Ontario
Hyungkwan Kim, Purdue University; Paul Preckel, Purdue University; James Eales, II, Purdue University; Douglas Gotham, Purdue University; Andrew Liu, Purdue University

Optimal Extraction of Natural Gas and Water Management in the Presence of Pollution Externalities and Resource Scarcity
Linda Fernandez, Virginia Commonwealth University; Jens Schubert, Virginia Commonwealth University

Regionally-varying and Regionally-uniform Electricity Pricing Policies Compared across Four Usage Categories
Seong-Hoon Cho, University of Tennessee; Taeyoung Kim, University of Tennessee; Hyun Jae Kim, Korea Energy Economics Institute; Kihyun Park, Korea Energy Economics Institute; Roland Roberts, University of Tennessee

2012 SP Livestock Price and Production
Pacific E, Fourth Level

Selected Presentation
Papers in this session discuss issues relating to livestock price and production issues.

Moderator: Seanicca Edwards, USDA-Economic Research Service

Using Genetic Testing to Improve Fed Cattle Marketing Decisions
Nathanael Thompson, Oklahoma State University; Eric Devuyst, Oklahoma State University; Wade Brorsen, Oklahoma State University; Jayson Lusk, Oklahoma State University

Analysis of Labor Use and Profitability in Three Pasture Systems for Grass-Fed Beef Production
Basu Deb Bhandari, Louisiana State University; Jeffrey Gillespie, Louisiana State University; Guillermo Scaglia, Louisiana State University

Economic Viability of Beef Cattle Grazing Systems under Prolonged Drought
Edward Osei, Tarleton State University; Ali Saleh, Tarleton State University; Jean Steiner, USDA-Agricultural Research Service

Anaerobic Digester Production and Cost Functions
Courtney Cowley, Oklahoma State University; Wade Brorsen, Oklahoma State University
2013 SP Productivity and Farm Structure

Pacific F, Fourth Level

Selected Presentation
Agricultural productivity may be affected by the structural characteristics of the farm sector. Using empirical studies from the United States, Brazil, Taiwan and Tanzania, papers in this session examine how farm size, gender of operators, and contract farming arrangements affect agricultural productivity.

Moderator: Kari Heerman, USDA-Economic Research Service

Productivity and Efficiency of US Field Crop Farms: A Look at Farm Size and Operator’s Gender
Sun Ling Wang, USDA-Economic Research Service; Doris Newton, USDA-Economic Research Service

Brazil’s Agricultural Total Factor Productivity Growth by Farm Size
Steven Helfand, University of California, Riverside; Marcelo Magalhaes, University of California, Riverside; Nicholas Rada, USDA-Economic Research Service

Estimating the Profit Efficiency of Contract and Non-Contract Rice Farms in Taiwan – A Meta-Frontier and a Cross-Frontier Approach Applications
Ching-Cheng Chang, Academia Sinica; Chi-Chung Chen, National Chung-Hsing University; Wei-Chun Tseng, National Chung Hsing University; Wu-Yueh Hu, National Chung Hsing University, Taiwan

Arne Henningsen, University of Copenhagen; Daniel Mpeta, Institute of Rural Development Planning, Tanzania; Anwar Adem, University of Copenhagen; Joseph Kuzilwa, Mzumbe University, Tanzania; Tomas Czekaj, University of Copenhagen

2014 SP Poverty, Food, and Public Assistance

Pacific H, Fourth Level

Selected Presentation
The impacts of government poverty interventions are considered for the poor, farmers, and regional economies. Food and food programs are an important component of poverty relief and receive special consideration in this session.

Moderator: Todd Schmit, Cornell University

Decentralization of Social Assistance Programs and the Poverty Reducing Impacts of Earnings Potential Equivalence Scales
Andrew Simons, Cornell University

Rising Food Price, Asset Transfers, and Household Food Security
Niaz Asadullah, Malaya University; Marup Hossain, University of Florida

Economic Impacts of SNAP Participation in Nonmetro Versus Metro Counties
John Pender, USDA-Economic Research Service; Young Jo, USDA-Economic Research Service; Cristina Miller, USDA-Economic Research Service

Dynamic Incentives in Microfinance - What About the Farmers?
Imke Hering, Georg-August-Universität Göttingen; Oliver Musshoff, Georg-August-Universität Göttingen
Selected Presentation

Papers in this session evaluate teaching techniques, university-level teaching initiatives, and extension outreach methods.

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

Extension Agents’ Preferences on Teaching Methods: An Ordered Probit with Selection Model

**Graciela Andrango,** Kansas State University; **Jason Bergtold,** Kansas State University

Student Performance and Perception of Course Transformation

**Elizabeth Yeager,** Kansas State University; **Angelika Zissimopoulos,** Purdue University

Transforming Teaching Culture through an Interdisciplinary Faculty Teaching Exchange Program

**Siny Joseph,** Kansas State University Salina; **Jung Oh,** Kansas State University Salina; **Patricia Ackerman,** Kansas State University Salina

Building Knowledge of Ag & Food Entrepreneurship through Business Plan Competitions: Minnesota Cup

**Ward Nefstead,** University of Minnesota

**2016 19 Acing the Race to Tenure: A Forum on Publication and Career Strategies**

**Track Session – GSS/FSN Sections**

Applied economists usually begin their first academic jobs well-equipped with many tools and methods for evaluating economic issues. However, navigating the many aspects and demands of the Tenure-track Assistant Professor position can be daunting. Being successful in the field requires evaluation through peer-reviewed publications as well being able to balance commitments in other facets of the job. Delivering award winning teaching, securing external grant funding, supervising multiple graduate students, can easily turn from career boosting opportunities into costly time sinks. Not to mention the ‘oh so’ important engagement in committee work. The ability to say ‘no’ at the right time and a clear early-career strategy can pave the way to getting Tenure. This track session brings together early-career and experienced members of the academic community to provide tips, share experiences, and discuss how to ‘Ace the Race to Tenure.’

**Organizers:** Donald Malone, III, Oklahoma State University; Joshua Maples, Oklahoma State University; Christiane Schroeter, California Polytechnic State University, San Luis Obispo

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

“Spreading it Thin”- Managing Projects and Other Time Sinks

**Sven Anders,** University of Alberta

Strategies for Successful Teaching and Grant Writing

**Lisa House,** University of Florida

Publishing Inside and Outside of Your Field

**David Just,** Cornell University

Accept or Reject: An Editor’s Insight

**Wade Brorsen,** Oklahoma State University
2017 Crop Insurance: Opportunities and Challenges Facing the Industry

**Track Session – ARA Section**

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

**Organizer:** Oscar Vergara, Air Worldwide

**Panelists:** Keith Coble, Mississippi State University; Joseph Glauber, USDA-Office of the Chief Economist; Oscar Vergara, Air Worldwide; Thomas Zacharias, National Crop Insurance Services

2018 Extension Section Livestock Outlook

**Track Session – Extension**

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

**Organizer:** Jessica Sampson, Livestock Marketing Information Center

**Moderator:** Jessica Sampson, Livestock Marketing Information Center

**Discussant:** David Anderson, Texas A&M University

**Cattle and Beef Outlook**

*Derrell Peel*, Oklahoma State University

**Hogs and Pork Outlook**

*Ronald Plain*, University of Missouri

**Dairy Outlook**

*Scott Brown*, University of Missouri

2019 How Can We Analyze Climate Change Policy When We Don’t Have Enough Data?

**Track Session – Econometrics Section**

Economists always wish for more data so as to make better inference and produce more precise policy recommendations. In many settings, including climate change, the data are very sparse in some dimensions. Similarly, policy analysis often requires extrapolation beyond the range of the observed data or far into the future. How can researchers analyze policy in such settings? How can we evaluate models of prospective outcomes? How much modeling structure should be placed on the system? How should researchers report measures of uncertainty about the results? The panelists will present and discuss potential answers to these questions in the context of climate change.

**Organizer:** Aaron Smith, University of California, Davis

**Moderator:** Aaron Smith, University of California, Davis

**Panelists:** Maximilian Auffhammer, University of California, Berkeley; David Lobell, Stanford University
Concurrent Sessions — Tuesday, 9:45 AM - 11:15 AM

2020 13 Integrated Learning Environments: Enhancing Discovery Through Research and Engagement
Sierra E, Fifth Level

Track Session – TLC Section
Economics is the study of choices. This underlies the primary learning outcome of developing a framework for critically evaluating trade-offs. While the traditional approach for helping students develop this framework is discovery, this approach falls short of supporting students’ understanding of critically assessing trade-offs. Discovery offers a unidirectional transfer of knowledge and helps answer questions such as “What tools are available to evaluate trade-offs?” and “What existing information about trade-off evaluation exists?” While essential, a more comprehensive grasp if discovery is paired with research and engagement, which provide students with opportunities to apply their knowledge and answer questions such as “How can I use existing tools in a novel approach and add to current knowledge?” (research) and “How can I communicate with others to enhance my understanding and transfer new knowledge?” (engagement). The integration of the three aspects—discovery, research, and engagement—provides a learning environment in which students can be successful in learning, interacting, and using critical thinking skills. A growing body of education research has discussed the benefits of using integrative learning framework to engage the millennial student generation—a group for whom learning is increasingly linked to actively and promptly applying their knowledge. Transitioning to an integrative learning structure in agricultural economics courses is critical to maintaining an effective knowledge transfer environment. During this session, Anton Bekkerman will provide an overview and motivation for developing integrative learning environments, an abridged summary of potential tools and techniques, and a sample application. Lindsey Higgins will provide a more in-depth discussion and examples of developing an integrative learning environment in a traditional classroom. Mykel Taylor will offer a perspective of implementing integrative learning tools in extension environments. The session will conclude with Kerry Litzenberg’s discussion about the changing role of integrated learning environments across different generations of students and its current role among millennials.

Organizer: Anton Bekkerman, Montana State University

Presenters: Anton Bekkerman, Montana State University; Lindsey Higgins, California Polytechnic State University, San Luis Obispo; Kerry Litzenberg, Texas A&M University; Mykel Taylor, Kansas State University

2021 15 Soil Tests & Smallholder Farmers: How Potent a Productive Input is Soil Fertility Information?
Sierra F, Fifth Level

Track Session – International Section
Improving the productivity and profitability of smallholder farmers has been the central objective of international agricultural development since its inception. Pronounced temporal variability and spatial heterogeneity in the production conditions of these farmers make this challenging. Plot-level soil quality lies at the heart of these variability-heterogeneity interactions. Soil fertility obviously shapes the productive potential of a given plot, but soil characteristics more generally can also alter on-farm management and technology adoption, private returns on investment, and environmental impacts of production.

Advances in soil testing technology are ushering in a boon in detailed soil data that promises to directly benefit farmers and to enrich research insights into smallholder decision making and productivity. By supplementing detailed household data with directly measured soil quality, we will be able to shed new light on policy-relevant issues ranging from the design of outreach and extension efforts to the formulation of fertilizer and other input policies. This session will explore this emerging area of research through presentations from three recent projects that combine detailed household data with detailed soil test data, all three of which introduced exogenous variation in access to either soil quality information or productive inputs or both.

Organizer: Travis Lybbert, University of California, Davis

Moderator: Travis Lybbert, University of California, Davis

Discussant: Joshua Woodard, Cornell University

Getting the Dirt: Local Knowledge, Soil Quality and Poverty among Kenyan Farmers
Emilia Tjernstrom, University of California; Michael Carter, University of California, Davis; Travis Lybbert, University of California, Davis

Evaluating the Effect of Plot-specific Soil Information and Liquidity Constraints on Agricultural Productivity
Aurelie Harou, Columbia University; Hope Michelson, University of Illinois at Urbana-Champaign; Malgosia Madajewicz, Columbia University; Cheryl Palm, Columbia University

A Multiple Interventions Approach to Improving Yields: Evidence from Mexico
Carolina Corral, JPAL; Aprajit Mahajan, University of California, Berkeley; Xavier Gine, World Bank; Enrique Siera, ITAM
Community and Rural Economic Development (CRED) and Agricultural Economics Departments – How Do the Two Fit?

Sierra H, Fifth Level

Track Session – NAAEA Section

Over the last several decades, departments of agricultural and applied economics (AAE) have taken different approaches to community and rural economic development (CRED). The extremes are changing department names to reflect a more focused commitment to CRED to devoting no resources to CRED. Most AAE departments approach CRED with different extension, teaching, and research resources, but few have a comprehensive departmental commitment. The session papers discuss the relationship between CRED and AAE from several perspectives and examine and explore the rationale behind the current situation.

Organizers: Steven Turner, Mississippi State University; Michael Woods, Oklahoma State University

Presenters: James Fannin, Louisiana State University; Rogers Leonard, Louisiana State University

Are Agricultural Economics Departments a Good Home for Community and Economic Development?

Sam Cordes, Purdue University

Does Extension Provide the Backbone to Community and Rural Economic Development Work within Agricultural Economics?

Steven Deller, University of Wisconsin

Collaborating and Coordinating Different Disciplines in Community and Rural Economic Development

Alison Davis, University of Kentucky

Research and Community and Rural Economic Development: Where Does Agricultural Economics Fit?

Stephan Goetz, The Pennsylvania State University

Diversity in Agricultural and Applied Economics: Where are We and Where are We Going?

Sierra I, Fifth Level

Track Session – COSBAE/CWAE Sections

This session is composed of two papers that consider diversity in agricultural and applied economics. The papers will consider the current state of diversity (racial and ethnic, gender, and international) in the profession. We explore trends in enrollment and awarded degrees from undergraduate to graduate programs to determine the strength of the pipeline. We evaluate the perspectives of women and men in the type of work engaged and their perceptions of rewards associated with that work. We also consider factors that help attract and retain women at universities.

Organizer: Norbert Wilson, Auburn University

An Assessment of Minorities and Foreign-Born in Agricultural and Applied Economics Departments in the US

Norbert Wilson, Auburn University; Erika Styles, Fort Valley State University

Roles of Women in US Agricultural and Applied Economics Departments: Views and Participation in Multidisciplinary Research

Sian Mooney, Arizona State University; Kelly Cobourn, Virginia Tech

Measuring the Impact of Work-Life Initiatives on Promotion and Representation of Female Faculty at US PhD Granting Economics Departments

Zarrina Juraqulova, Washington State University; Jill McCluskey, Washington State University
The Economics and Psychology of “Deep Capture”
Sierra J, Fifth Level

Track Session – IBES Section
The economic theory of regulatory capture (Stigler, 1971) holds that powerful industries will expend costly effort to influence government regulatory bodies in ways that increase profits, often at the expense of the consuming public. It has been suggested that Stigler’s theory, while prescient, did not go far enough (Hanson and Yosifon, 2003). The theory of deep capture holds that powerful industries will go even further, by seeking to influence any powerful institution that could influence public attitudes toward its product, including but not limited to the mass media, academic research, and non-profit advocacy organizations. In this session, three papers are presented that consider various aspects of imperfect information and consumer psychology that make deep capture possible.

Organizer: Trenton Smith, University of Otago
Moderator: Jane Kolodinsky, University of Vermont

Brian Roe, The Ohio State University; Jafar Olimov, The Ohio State University; Ian Sheldon, The Ohio State University
The Economics of Propaganda
Trenton Smith, University of Otago; Atilla Tasnádi, Corvinus University of Budapest
Induced Scarcity and Excess Demand in Television Advertisements
Andrew Hanks, The Ohio State University; Trenton Smith, University of Otago

Keys to Responding Successfully to Funding Opportunities for Economics: Look, Read, Respond
Sierra K, Fifth Level

Track Session – AEM Senior Section
Providing insights for organizations based on applied economic theories should seem natural for several AAEA members. When these opportunities are presented in RFPs, timely responses that demonstrate thoughtful and practical consideration of the request can open the doors for greater cooperative efforts that are mutually beneficial: But first you must understand what the requesting organization is seeking. This session will provide insights from a panel with experience seeking external economic analyses and what they see as key benchmarks for successful responses to RFPs.

Organizer: Samuel Funk, United Soybean Board - SmithBucklin
Moderator: John Lee, Jr., USDA-Economic Research Service/Mississippi State University
Panelists: Samuel Funk, United Soybean Board - SmithBucklin; Nancy Lutz, National Science Foundation; Robbin Shoemaker, National Institute of Food and Agriculture
Concurrent Sessions — Tuesday, 1:00 PM - 2:30 PM

**2026**  
**Inducing Agricultural Conservation to Reduce Eutrophication and Hypoxia**  
*Salon 1, Lower B2 Level*

**Organized Symposium**
Challenged by large problems but limited budgets, policy makers need to prioritize funds spent on agricultural nutrient abatement to achieve greatest impact. The research advances reported in this session progress through 1) deriving society’s demand for avoiding ecological damage (how much to spend), 2) targeting spatial interventions in a watershed (where to spend), 3) comparing agro-environmental policies to target effectively (how to spend), and 4) inducing farmers to participate in performance-oriented conservation programs (who to spend on).

**Organizer:** Scott Swinton, Michigan State University  
**Moderator:** Scott Swinton, Michigan State University  
**Discussant:** Elena Irwin, The Ohio State University  
**Panelists:** Catherine Kling, Iowa State University; Frank Lupi, Michigan State University; Leah Palm-Forster, Michigan State University; Wendong Zhang, The Ohio State University

**2027**  
**Electricity Supply and Demand**  
*Salon 2, Lower B2 Level*

**Organized Symposium – AERE**
Papers in this session explore key factors affecting the environmental impacts of electricity production and consumption. The session will be particularly focused on how policy interventions – such as efficiency standards and renewable portfolio standards- have affected energy market outcomes.

**Organizer:** Meredith Fowlie, University of California, Berkeley  
**Emissions Reductions or Green Booms? The General Equilibrium Effects of a Renewable Portfolio Standard**  
*Teevat Garg,* Cornell University; *Antonio Miguel Bento,* Cornell University; *Daniel Kaffine,* University of Colorado Boulder

**Wind Turbine Shutdowns and Upgrades in Denmark: Timing Decisions and the Impact of Government Policy**  
*C.-Y. Cynthia Lin,* University of California, Davis; *Jonathan Cook,* Nexant

**The Effect of Water Supply Shocks on the Electricity Generation Mix: Implications for Climate Change**  
*Casey Wichman,* University of Maryland, College Park; *Jonathan Eyer,* North Carolina State University

**Can Energy Efficiency Standards Reduce Prices and Improve Quality? Evidence from the US Clothes Washer Market**  
*Arlan Brucal,* University of Hawaii at Manao; *Michael Roberts,* University of Hawaii at Manao

**2028**  
**A Comparative Analysis of Modeling Approaches and Drought Policy Response in the Western U.S. and Australia: Drought Policy Response**  
*Salon 3, Lower B2 Level*

**Organized Symposium – AARES**
This is a continued session from Session 2003. Please see Session 2003 for a description.

**Organizers:** Richard Howitt, University of California, Davis; Duncan MacEwan, ERA Economics  
**Measuring the Economic Impacts of Drought on Urban Water Systems**  
*David Sunding,* University of California, Berkeley

**The Political Economy of Drought Policy: Lessons from Australia’s Millennium Drought**  
*Lin Crase,* La Trobe University

**Policy Priorities for Managing Drought**  
*Ellen Hanak,* Public Policy Institute of California
## Concurrent Sessions — Tuesday, 1:00 PM - 2:30 PM

### 2029 Preferences, Demand, and Government Policy

**Salon 4, Lower B2 Level**

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<th>Selected Presentation — Lightning Session</th>
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<td>This session examines the impacts of government policies (such as import ban and tariff removal), consumers’ preference (e.g., health consciousness) and producers’ preference (e.g., valuation of variety tolerance and index insurance) on food demand.</td>
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**Moderator:** Vincent Amanor-Boadu, Kansas State University

- Willingness to Pay for Rainfall Index Insurance Backed Loans and Basis Risk in Northern Ghana
  - **Richard Gallenstein,** The Ohio State University; Khushbu Mishra, The Ohio State University; Mario Miranda, The Ohio State University; Abdoul Sam, The Ohio State University

- Trade Diversion and High Food Prices - The Impact of the Russian Pig Meat Import Ban
  - **Ivan Djuric,** Leibniz Institute of Agricultural Development in Transition Economies; Linde Goetz, Leibniz-Institute for Agricultural Development in Middle and Eastern Europe; Thomas Glauben, Leibniz Institute of Agricultural Development in Transition Economies

- Effects of Food Safety and Health Risk Information on Demand for Food in Taiwan
  - **Kang Ernest Liu,** National Chung Cheng University; Wen Chern, National Chung Cheng University; Shu-Ling Chen, National Taipei University

- Food Preference Segmentation Using an AIDS/Mixtures Approach: An Application to the UK Population
  - Matthieu Arnould, University of Reading; **Ariane Kehlbacher,** University of Reading; Chittur Srinivasan, University of Reading; Rachel McCloy, University of Reading; Richard Tiffin, University of Reading

- Do Farmers Value Rice Varieties Tolerant to Droughts and Floods? Evidence from a Discrete Choice Experiment in Odisha, India
  - Anchal Arora, Jawaharlal Nehru University; Sangeeta Bansal, Jawaharlal Nehru University; Patrick Ward, International Food Policy Research Institute

- Food Price Crisis in Indonesia: Alert from the Key Markets
  - **Irfan Mujahid,** University of Bonn; Matthias Kalkuhl, University of Bonn

- NAFTA at 20: Structural Change in Mexican’s Demand for US Meat Products
  - **Frank Nti,** Kansas State University

- ‘Eat More Chikin’ - Structural Change Via Threshold Effects: The Effects of Female Labor on US Meat Demand
  - **Nestor Rodriguez,** USDA-Economic Research Service; James Eales, II, Purdue University

### 2030 Production and Risk Management

**Salon 5, Lower B2 Level**

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<th>Selected Presentation</th>
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<td>Production decisions made on the farm can have profound impacts on risk levels. Papers in this session examine how decisions in beef cattle, potato, and fruit tree production impacts on farm risk.</td>
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**Moderator:** Roger Wilson, University of Nebraska

- Switchgrass as an Income Stabilizing Crop for Cow-Calf Producers Impacted by Drought
  - **Jennifer Lutes,** University of Arkansas; Michael Popp, University of Arkansas

- Economic Analysis of Alternative Grazing Systems, including Mob Grazing, in Nebraska and South Dakota
  - **Larry Janssen,** South Dakota State University; Bronc McMurtry, South Dakota State University; Matthew Stockton, University of Nebraska-Lincoln

- Risk Management Strategies using Potato Precision Farming Technology
  - **Yangxuan Liu,** Purdue University; Michael Langemeier, Purdue University; Ian Small, Cornell University; Laura Joseph, Cornell University; William Fry, Cornell University

- Do Farmers Really Plant Apples for Their Income and Cherries for Their Retirement? The Effects of Risk, Scope and Scale on Orchard Land Allocation
  - **Xin Zhao,** Washington State University; Michael Brady, Washington State University; Peter Tozer, Washington State University
**Advances in Environmental and Hedonic Valuation II**

*Salon 6, Lower B2 Level*

**Selected Presentation**

This session brings together four papers that are very different in their focus and approach but share the common feature of exploring an advance in methods. Two papers address problems with the hedonic price model - one by exploring a potential source of the omitted variable bias, the option value of farmland, to arrive at a better estimate of the impact of climate change on farmland; and the other by validating the impact of water quality as measured by the impact of perceptions of water quality. One paper combines contingent valuation data with contingent behaviour data to estimate the recreational and use value of different shoreline management measures. The final paper proffers an alternative to the simple distance decay model of spatial heterogeneity in willingness to pay for an environmental resource.

**Moderator:** Nicolas Quintana Ashwell, Kansas State University

**Economic Values of Coastal Erosion Management**
*Craig Landry*, University of Georgia; *John Whitehead*, Appalachian State University

**Climate Change Impacts on US Agriculture: Accounting for the Option Value of Farmland in the Hedonic Approach**
*Ariel Ortiz-Bobea*, Cornell University

**Validating Spatial Hedonic Modeling with a Behavioral Approach: Measuring the Impact of Water Quality Degradation on Coastal Housing Markets**
*Mahesh Ramachandran*, Cape Cod Commission

**Capturing More Relevant Measures of Spatial Heterogeneity in Stated Preference Willingness-to-Pay: Using an Iterative Grid Search Algorithm to Quantify Proximate Environmental Impacts**
*Benedict Holland*, Clark University; *Robert Johnston*, Clark University

**Demand Analysis for Product Attributes and Supply Chains**

*Nob Hill A, Lower B2 Level*

**Selected Presentation**

This session includes papers about retail milk prices, dairy alternative beverage marketing, marketing costs and supply chains, and marketing canned tuna with value-added attributes.

**Moderator:** Zoe Plakias, University of California, Davis

**Energy Price Transmission and Retail Milk Prices**
*Xun Li*, Wuhan University; *Rigoberto Lopez*, University of Connecticut

**Consumer Demand for Dairy Alternative Beverages in the United States and its Implications to US Dairy Industry**
*Senarath Dharmasena*, Texas A&M University; *Alicia Copeland*, Texas A&M University

**Impacts of Marketing Costs on Supply Chains in Tanzania**
*Mark Musumba*, Columbia University; *Rafael Costa*, AgriLogic

**What's in the Can? Analyzing Willingness-to-Pay for Canned Tuna with Value-Added Attributes**
*Kar Ho Lim*, Korea University; *Wuyang Hu*, University of Kentucky; *Carola Grebitus*, Arizona State University; *Rodolfo Nayga*, University of Arkansas
Selected Presentation

This session will center attention on marketing aspects of meat, livestock and grain. Specifically, papers will discuss beef value chain in Zambia, sources of grader bias in beef grading, organizations and member performance in hog production, and price and volatility transmission in livestock and grain markets.

Moderator: Daniel O’Brien, Kansas State University

Cost Incurred and Margins Secured across the Value Chain for Beef in the Southern Province of Zambia
Taiwo Mafimisebi, The Federal University of Technology; Benny Katewa, Mulungushi University; Olusegun Yerokun, Mulungushi University; Edward Syampaku, Mulungushi University

Searching for the Possible Sources of Grader Bias in Beef Grading: A Non-parametric Approach
Ju Won Jang, Texas A&M University; Ariun Ishdorj, Texas A&M University; David Anderson, Texas A&M University

Producer Organizations and Members Performance in Hog Production
Sabine Duvaleix-Treguer, Agrocampus Ouest; Carl Gaigné, INRA UMR SMART

Price and Volatility Transmission in Livestock and Grain Markets: Examining the Effect of Increasing Ethanol Production Across Countries
Rodrigo Silveira, University of Campinas; Fabio Mattos, University of Nebraska-Lincoln

Selected Presentation

This set of papers focuses the historical factors that have shaped agricultural policy, current program participation and efficiency, and future support issues.

Moderator: Stephanie Rosch, Purdue University

Trends in Farm Household Income Volatility: What is the Role of Federal Agricultural Programs?
Daniel Prager, USDA-Economic Research Service; Nigel Key, USDA-Economic Research Service; Christopher Burns, University of Massachusetts Amherst

Interactions of Shallow Loss Support and Traditional Federal Crop Insurance: Building a Framework for Assessing Commodity Support Issues for the Next Farm Act
Joseph Cooper, USDA-Economic Research Service; Anne Effland, USDA-Economic Research Service

Evaluating the Historical Factors Influencing US Agricultural Policy
Derek Farnsworth, University of Florida; Charles Moss, University of Florida

Selected Presentation

The session focuses on Obesity, Nutrition Labeling and Social Network.

Moderator: Janet Peckham, Food and Drug Administration

Soft Pillow for Hard Times: Effects of Economic Insecurity on Body Weight in Transitional Russia
Matthias Staudigel, Institute of Agricultural Policy and Market Research, University of Giessen

Can Social Interactions Change the Brain? Analyzing Social Network Effects on Obesity and Related Co-Morbidities
Christian Henning, University of Kiel; Nana Zarnekow, University of Kiel

The Effect of Nutrition Labeling on Menus and Food Packages on Consumers Diet and Dietary Knowledge
Janet Peckham, Food and Drug Administration; Travis Minor, Food and Drug Administration; Brandon Restrepo, Food and Drug Administration

Yi Xie, Arizona State University; Carola Grebitus, Arizona State University; George Davis, Virginia Tech
Concurrent Sessions — Tuesday, 1:00 PM - 2:30 PM

2036 SP Online Search, Price Dispersion, and Standards and Labeling in Food Markets  
Pacific C, Fourth Level

Selected Presentation
This session includes two papers investigating the relationship between online search and price dispersion and two papers on quality standards examining economics of geographical indications and labelling fraud.

Moderator: Jura Liaukonyte, Cornell University

Internet Price Dispersion and the Gatekeeper Effects: Evidence from Online Bordeaux Wine Data
Wu-Yueh Hu, National Chung Hsing University, Taiwan; Yo-Chen Lin, National Chung Hsing University, Taiwan; Shang-Ho Yang, National Chung Hsing University

Online Attribute Search and Retail Prices
Stephen Hamilton, California Polytechnic State University, San Luis Obispo

Mitigating Fraud in Collective Reputation Markets: An Experimental Analysis
Olivier Bonroy, INRA; Alexis Garapin, Université Grenoble Alpes; Stephen Hamilton, California Polytechnic State University, San Luis Obispo; Diogo Souza Monteiro, Newcastle University

2037 SP Smallholder Marketing Issues  
Pacific E, Fourth Level

Selected Presentation
The papers in this session deal with smallholder marketing issues in the developing world. Two papers address market access, while another paper looks at factors affecting participation in marketing cooperatives. The fourth paper estimates how quality affects maize prices in Africa.

Moderator: Brian Adam, Oklahoma State University

Does Quality Affect Maize Prices in Sub-Saharan Africa? Evidence from Benin
Didier Kadjo, Purdue University; Jacob Ricker-Gilbert, Purdue University; Corinne Alexander, Purdue University

Marketing Cooperatives in Developing Countries: Who Joins Them and How Can They Do Better?
Malan Benoit, University of Cocody - Abidjan; Tina Saitone, University of California, Davis; Richard Sexton, University of California, Davis

Information Access and Smallholder Farmers’ Selling Decisions in Peru
Vania Salas Garcia, Instituto del Perú; Qin Fan, California State University, Fresno

Effects of Credit and Market Access on Farm Gate Prices in India
Kathy Baylis, University of Illinois at Urbana-Champaign; Mindy Mallory, University of Illinois at Urbana-Champaign; Tisorn Songsermsawas, University of Illinois at Urbana-Champaign

2038 SP Trade III - Issues in Developing Countries  
Pacific F, Fourth Level

Selected Presentation
Developing countries have been playing an increasing role on global agricultural trade markets. Their agricultural trade and domestic policies are becoming more and more relevant for the rest of the world. The papers in this session illustrate the case of countries like China, Thailand and Argentina on highly globally traded agricultural commodities.

Moderator: Nicole Ballenger, University of Wyoming

The Impact of Chinese Exchange Rate Policy on World Soybean and Products Markets
Ji Luo, Texas A&M University; Gary Williams, Texas A&M University

RCEP – Thailand Trade Creation and Trade Diversion: Evidence and Analysis
Wanasin Sattayanuwat, Srinakharinwirot University

Truly Preferential Treatment? Reconsidering the Generalized System of (Trade) Preferences
Anupa Sharma, Virginia Tech; Kathryn Boys, North Carolina State University; Jason Grant, Virginia Tech

Argentina’s Agricultural Policies
William Ridley, University of Colorado; Stephen Devadoss, University of Idaho
Concurrent Sessions — Tuesday, 1:00 PM - 2:30 PM

**2039 SP Water Use III - Productivity and Farm Efficiency**
*Pacific H, Fourth Level*

**Selected Presentation**
Water and other scarce environmental resources have been under-represented in studies of agricultural productivity. This session reviews water in the productivity and farm efficiency literature, describes a method for including environmental resources in productivity analysis, and examines diffusion of technologies to raise water productivity in agriculture.

**Moderator:** Jintao Xu, Peking University

Water Productivity in Agriculture: Looking for Water in the Agricultural Productivity and Efficiency Literature
*Susanne Scheierling*, World Bank; *David Treguer*, INRA; *James Booker*, Siena College

Water and Farm Efficiency: Insights from the Frontier Literature
*Boris Bravo-Ureta*, University of Connecticut; *Roberto Jara-Rojas*, University of Talca, Chile; *Michee Lachaud*, University of Connecticut; *Victor Moreira*, University of Austral, Chile; *Susanne Scheierling*, World Bank

The Diffusion of Process Innovation: The Case of Drip Irrigation in California
*Rebecca Taylor*, University of California, Berkeley; *David Zilberman*, University of California, Berkeley

Environmentally Adjusted Productivity and Efficiency Measurement: A New Direction for the Luenberger Productivity Indicator
*Tiho Ancev*, University of Sydney; *Samad Md Azad*, University of Tasmania

**2040 SP Climate Change Adaptation and Impact II - Implications at Household and Market Levels**
*Pacific I, Fourth Level*

**Selected Presentation**
From household to landscape to markets, this session explores potential impacts of and adaptation to climate change at multiple scales.

**Moderator:** Jia Zhong, The University of Tennessee, Knoxville

Climate-Change Impacts on Agriculture and Food Markets: Combining a Micro-Level Structural Land-Use Model and a Market-Level Equilibrium Model
*Iddo Kan*, Hebrew University of Jerusalem; *Ayal Kimhi*, Hebrew University; *Jonathan Kaminski*, World Bank

Households’ Adoption of Drought Tolerant Plants: An Adaptation to Climate Change?
*Yubing Fan*, University of Missouri; *Laura McCann*, University of Missouri

Climate Change Adaptation through Agricultural R&D Investments: Implications for Food Security and the Environment
*Uris Lantz Baldos*, Purdue University; *Thomas Hertel*, Purdue University; *Keith Fuglie*, USDA-Economic Research Service

Confronting Energy, Food, and Climate Challenges – Analyzing Tradeoffs in Agriculture and Land Use Change
*Yongxia Cai*, RTI International; *Robert Beach*, RTI International

**2041 SP Commodity Marketing and Risk Management**
*Pacific J, Fourth Level*

**Selected Presentation**
This session discusses the relevance of traditional approaches to commodity marketing and risk management and addresses new ideas in this field.

**Moderator:** C. Peter Timmer, Harvard University

Farmland Prices: The Return of a Bubble and Opportunities for Hedging
*Erin Hardin*, Texas A&M University; *Henry Bryant*, Texas A&M University; *John Penson*, Jr., Texas A&M University

Feasibility of New Agricultural Futures Contract: A Study in the Brazilian Rice Market
*Daniel Capitani*, University of Campinas; *Fabio Mattos*, University of Nebraska-Lincoln

Investment Risk in Bioenergy Crops
*Theodoros Skevas*, University of Florida Gulf Coast Research and Education Center; *Scott Swinton*, Michigan State University; *Sophia Tanner*, Michigan State University; *Gregg Sanford*, University of Wisconsin; *Kurt Thelen*, Michigan State University

Is “Good Enough” Good Enough when Hedging Agricultural Commodities?
*Roger Dahlgran*, University of Arizona
**Regional Science Methods**

*Sierra A, Fifth Level*

**Selected Presentation**

This session explores methods applied to regional science issues. Methods compared include: spatial regime model, the GWR and the STAR model on the identification of spatial regimes; latent class model and propensity score matching in determining nonconvex preferences in open space valuation; and standard hedonic approach, a repeat sales approach, and a matching approach to determine impacts on property values. A theoretical foundation for categorizing megaregions is also tested.

**Moderator:** John Pender, USDA-Economic Research Service

Defining Regimes with Alternatives Spatial Methods: Spatial Regimes, Geographically Weighted Regression and Spatial STAR Models

*Valerien Pede,* International Rice Research Institute; *Raymond Florax,* Purdue University; *Henri De Groot,* Vrije Universiteit; *Dayton Lambert,* University of Tennessee

Farm versus Forest: Physical Scarcity and the Role of Non-Convex Preferences in the Valuation of Open Space

*Tianjie Chen,* University of Connecticut; *Stephen Swallow,* University of Connecticut; *Robert Johnston,* Clark University

Impacts of Hospitals on Rural Property Values in Illinois

*Cristina Miller,* USDA-Economic Research Service; *Silda Nikaj,* Texas Christian University; *John Pender,* USDA-Economic Research Service

Identifying Labor Market Areas Based on Link Communities

*Stephan Goetz,* The Pennsylvania State University; *Yicheol Han,* The Pennsylvania State University

**Analyzing Food Choices: The Effects of Social Networks, Nutrition Facts in Lunchrooms and Cognitive Abilities**

*Sierra B, Fifth Level*

**Track Session – FAMPS/FSN Sections**

Food choices are influenced by an abundance of determinants. This session sheds light whether and to what extent a relationship between menu labeling, i.e. the posted caloric content of each item next to its price on the menu board, and food consumption exists. One study determines the impact of social networks, healthy eating, physical activity information, and economic incentives on body weight outcomes with the goal to arrive at policy solutions for problems that are inherently based in relatively large, social network environments. Furthermore, the role of cognitive developmental measures in predicting children's response to food prices, warning labels, and other attributes is investigated.

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

**Moderator:** Helen Jensen, Iowa State University

Analyzing Social Network Effects on Students’ Food Choices in School Lunchrooms

*Carola Grebitus,* Arizona State University; *Dan Wang,* Arizona State University; *Christiane Schroeter,* California Polytechnic State University, San Luis Obispo

Do Social Networks Improve the Effectiveness of Incentive-Based Health Programs?

*Christiane Schroeter,* California Polytechnic State University, San Luis Obispo; *Timothy Richards,* Arizona State University; *Stephen Hamilton,* California Polytechnic State University, San Luis Obispo

Children’s Cognitive Abilities and Food Choices

*Sean Cash,* Tufts University; *Anna McAlister,* Michigan State University; *Shannon Allen,* University of Alberta; *Wiktor Adamowicz,* University of Alberta
Concurrent Sessions — Tuesday, 1:00 PM - 2:30 PM

2044   Crops Outlook
Sierra C, Fifth Level

Track Session – Extension Section
This session will feature presentations highlighting the current and near-term situation and outlook for major US crop commodities: corn and soybeans, wheat, and cotton. This year’s session will also include a discussion of the impacts of California’s drought on crop production in the state. 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: Levi Russell, Texas A&M University
Moderator: Levi Russell, Texas A&M University

Wheat Outlook
Mykel Taylor, Kansas State University

Corn and Soybean Outlook
Chad Hart, Iowa State University

Cotton Outlook
John Robinson, Texas A&M University

Outlook for California Crops in Light of the Drought
Mechel Paggi, California State University, Fresno

2045   Incorporating Ethics in Economic Analysis
Sierra E, Fifth Level

Track Session – IBES/Senior Sections
Ethical issues are created when there is a conflict of interests and/or values between or among economic entities. Such conflicts are pervasive among the types of problems examined in economics. Examples include the principal-agent model, the externality problem and the design of economic policy that impacts diverse stakeholders. Unfortunately, mainstream economists have been reluctant to consider ethics as a viable facet of economic thought and analysis, in part because of the belief that economic analysis can remain value neutral. However, the maintenance of value neutrality is not possible when interests and/or values conflict, since judgments have to be made about which interests or values take precedence and because such conflicts often affect the behavior of economic actors. This creates an opportunity if not an expectation for a consideration of ethics in economic analysis. In this session we consider both conceptual and empirical approaches to incorporating ethics into economics analysis, with particular attention to the kinds of problems of interest to agricultural and applied economists. Papers presented will show how contemporary ethics can provide promising modes of engagement with economics, how surveys and experimental economics can inform on the ethical motivations of consumers, how behavioral economics can be used to illustrate the ethical ramifications of nudging, and how specific economic models can be modified to include explicit references to ethical considerations.

Organizers: Harvey James, Jr., University of Missouri; John Lee, Jr., USDA-Economic Research Service/Mississippi State University
Moderator: John Lee, Jr., USDA-Economic Research Service /Mississippi State University

Engaging Contemporary Ethics with Economics
Paul Thompson, Michigan State University

Survey and Experimental Approaches for Studying Ethical Issues in Economics
Jayson Lusk, Oklahoma State University

The Ethics of Nudging and Not-Nudging
David Just, Cornell University; Andrew Hanks, The Ohio State University

A Primer on Modeling Ethics
Harvey James, Jr., University of Missouri
Making Agricultural Research Matter to Women Farmers

Sierra F, Fifth Level

**Track Session – International/CWAEE Sections**
The aim of this session is to critically look at approaches used in engaging with rural communities in projects working with smallholder farmers, especially with women and vulnerable groups, that connect local knowledge and context with new knowledge. Focusing on agricultural innovations, adapting to climate change, and linking smallholder farmers, particularly women, with markets, the session explores what approaches and institutions facilitate the development of meaningful and actionable knowledge, while simultaneously developing social and political capitals that support the types of transformational changes in agricultural practices and food systems that are needed to feed 9 billion people in the face of a changing climate. Participatory research approaches, social learning, communities of practice, research for development platforms, and translational research, have in common an aim to engage with smallholder farmers, seeking to empower local decision makers, as well as outscale and/or upscale technologies, practices, and institutional approaches. Panelists will address these challenging topics based on their extensive experience in Latin America, Africa, and Asia, drawing lessons about engaging women and men, youth and the elderly, in a diversity of institutional and cultural contexts, seeking to create knowledge that addresses risks, increases productivity sustainably, and enhances livelihoods. This proposal is sponsored by the C-FARE Development Panel in addition to the International Section.

**Organizer:** Corinne Valdivia, University of Missouri

**Moderator:** Corinne Valdivia, University of Missouri

**Discussant:** Corinne Valdivia, University of Missouri

**Panelists:** Elizabeth Basauri Bryan, International Food Policy Research Institute; Chiara Kovarik, International Food Policy Research Institute; Patricia Kristjanson, International Food Policy Research Institute; William Meyers, University of Missouri; Jennifer Twyman, CIAT

Teaching Tips from AAEA Award Winners

Sierra H, Fifth Level

**Track Session – TLC/GSS Sections**
This session offers the opportunity for AAEA Teaching Award recipients to share teaching tips and have a dialogue with AAEA members. The emphasis is on winning strategies that have worked for them; the approaches, techniques, and/or teaching styles they consider to be instrumental to their points, the emphasis will be on pedagogical approaches to improving education in our profession.

The goal is to share ideas on what successful teachers are doing in and out of the classroom to facilitate learning. Contributions from audience members, in the form of shared experiences, questions, and observations, are both welcomed and considered a key part of this organized symposium. 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:** Sierra Howry, University of Wisconsin-River Falls

Whither “Agriculture of the Middle” (Continued on next page)

Sierra I, Fifth Level

**Track Session – AEM Section**
The US farm sector is continuing its shift to an increasingly bimodal size distribution, with the number of very small and very large farms increasing while the number of farms in the middle of the size distribution declining. Many small and medium sized farms that comprise the “Agriculture of the Middle” are too large to take advantage of growing opportunities in direct markets and too small to be competitive in global commodity markets. There have been ongoing efforts among practitioners and academics seeking viable production and marketing solutions to serve these small and medium-sized farms. This session examines the recent trends and introduces past and ongoing research efforts on Agriculture of the Middle.

**Organizer:** Robert King, University of Minnesota

Introduction to “Agriculture of the Middle”

*Hikaru Hanawa Peterson,* Kansas State University
Concurrent Sessions — Tuesday, 1:00 PM - 2:30 PM

Agriculture of the Middle 2002 - 2012
Robert King, University of Minnesota

AOTM Solutions: Farm-to-Institution, Driven by Demand, Values-Based Supply Chains, Cooperative Partnership
Larry Leu, Oregon State University; Gail Feenstra, University of California, Davis; David Conner, University of Vermont; Shermain Hardesty, University of California, Davis

Challenges and Opportunities
Hikaru Hanawa Peterson, Kansas State University

2049 20 Natural Hazard Adaptation, Resilience and Green Infrastructure
Sierra J, Fifth Level

Track Session – ENV Section
States and communities must increasingly adapt to the hazards of a variable and changing climate. Green infrastructure is often promoted as a means to enhance resilience while providing additional benefits such as storm water management, natural habitat, and recreational opportunities. Yet adaptation decisions are often made with minimal information on the benefits, costs and tradeoffs associated with different types of natural hazards or the use of green versus engineered infrastructure. Available information frequently confounds hazard and amenity effects. Papers in this AAEA/ENV Track Session address methodological and empirical issues related to the benefits and costs of natural hazard adaptation and the role of green infrastructure as a tool for environmental management. Papers emphasize approaches that disentangle confounding benefits and costs and provide actionable policy guidance.

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

Riparian Buffer Restoration and Green Infrastructure in the Johnson Creek Watershed, Oregon
Noelwah Netusil, Reed College; Maya Jarrad, Reed College; Anita Morzillo, University of Connecticut; Klaus Moeltner, Virginia Tech

Defending the Shoreline: A Duration Model of Beach Re-Nourishment
Sathya Gopalakrishnan, The Ohio State University; Yun Qiu, The Ohio State University

Nonparametric Matching to Pre-Process Housing Data: Estimating Coastal Hazard Effects in New England Communities
Klaus Moeltner, Virginia Tech; Christine Blinn, Virginia Tech; Robert Johnston, Clark University

Disentangling Values for the Methods and Outcomes of Hazard Adaptation: Tradeoffs Between Natural and Engineered Coastal Defenses
Robert Johnston, Clark University; Christos Makriyannis, Clark University; Adam Whelchel, The Nature Conservancy

2050 05 Perspectives on China as the Leading US Agricultural Export Market
Sierra K, Fifth Level

Organized Symposium
China has been the United State’s largest agricultural export destination country, and its continuing economic growth brings additional potential. This sessions presents research on three major and new factors influencing such potential: Chinese government production support policy, its current domestic supply and demand situation and outlook; Chinese new overseas investment in agricultural assets and operations; and Chinese rising demand in high quality food, primarily animal based protein food with higher safety standards.

Organizer: Hong Holly Wang, Purdue University
Moderator: Mary Clare Ahearn, Choices Editor
Discussant: Scott Rozelle, Stanford University

Challenges in Chinese Agriculture Supply and Food Security: Implication to China’s Role in Global Agricultural Trade
Jikun Huang, Chinese Academy of Sciences; Jun Yang, Chinese Academy of Sciences; Scott Rozelle, Stanford University

The Implication of China’s Overseas Investment in Agriculture on its Commodity Import
Elizabeth Gooch, USDA-Economic Research Service; Fred Gale, USDA-Economic Research Service

Do Chinese Consumers Prefer US Meat in the Presence of Severe Food Safety Issues?
Hong Holly Wang, Purdue University; David Ortega, Michigan State University
Concurrent Sessions — Tuesday, 2:45 PM - 4:15 PM

2051  IP What Should Be Done About Increasing Market Thinness?
Salon 1, Lower B2 Level

Invited Paper
As use of contracting increases, increasing market thinness is a concern for many agricultural markets, especially livestock. The papers in this session document what is known about thin markets and consider alternative policy responses.

Moderator: William Hahn, USDA-Economic Research Service
Discussant: Steven Meyer, Paragon Economics, Inc.

Pricing and Economic Welfare in Thinly Traded Agricultural Markets
Michael Adjemian, USDA-Economic Research Service; Tina Saitone, University of California, Davis; Richard Sexton, University of California, Davis

Marketing Method Use in Trade of Fed Cattle: Causes of Thinning Cash Markets and Solutions
Stephen Koontz, Colorado State University

Alternative Policy Responses to Market Thinness Created by Formula Pricing
Wade Brorsen, Oklahoma State University; James Fain, Oklahoma State University; Joshua Maples, Oklahoma State University

2052  OS The Political Economy of Food and Bio-Energy Policy in an Age of Price Volatility: International Perspectives
Salon 2, Lower B2 Level

Organized Symposium – IAAE
Organizer: Johan Swinnen, University of Leuven
Discussant: Alfons Weersink, University of Guelph

The Political Economy of Chinese Agricultural and Food Policies during Global Price Volatility
Scott Rozelle, Stanford University

The Political Economy of Rice Market Stabilization in Indonesia: A Historical Perspective
C. Peter Timmer, Harvard University

The Political Economy of the 2013 Reform of the EU’s Common Agricultural Policy
Johan Swinnen, University of Leuven

The Political Economy of the Global Bio-Economy
David Zilberman, University of California, Berkeley
Snapshots of Resource and Environmental Policy Research
Salon 4, Lower B2 Level

Selected Presentation – Lightning Session
A whirlwind tour of research on issues related to resource and environmental policy.

Moderator: Jad Ziolkowska, University of Oklahoma

Water Scarcity in South Asia: A Dynamic Computable General Equilibrium Analysis
Badri Narayanan, Purdue University; Farzad Taheripour, Purdue University; Thomas Hertel, Purdue University; Sebnem Sahin, World Bank

The Environmental Factors of Honey Bee Loss: Do Neonicotinoids Matter?
Kathy Baylis, University of Illinois at Urbana-Champaign; Guyu Ye, University of Illinois at Urbana-Champaign

What are the Savings? An Assessment of the National Flood Insurance Program's (NFIP) Community Rating System (CRS)
Ajita Arreya, University of Pennsylvania; Erwann Michel-Kerjan, University of Pennsylvania; Jeffrey Czajkowski, University of Pennsylvania

Resource Allocation Under Fire
Jude Bayham, Yale University; Jonathan Yoder, Washington State University

Economic and Policy Evaluation of Solar Energy for Indiana Business and Residential Applications
Jinho Jung, Purdue University; Wallace Tyner, Purdue University

Implications of Search Frictions for Tradeable Permit Markets
Mani Rouhi Rad, University of Illinois at Urbana-Champaign; Nicholas Brozovic, University of Illinois at Urbana-Champaign; Taro Mieno, University of Illinois at Urbana-Champaign

The Impact of CAFE Standards on the Technological Growth in the US Automobile Industry
Yiwei Wang, Cornell University; Antonio Miguel Bento, Cornell University; Kevin Roth, University of California, Irvine

Bans versus Fees: Disposable Carryout Bag Policies and Bag Usage
Rebecca Taylor, University of California, Berkeley; Sofia Villas-Boas, University of California, Berkeley

Dairy Finance and Management
Salon 3, Lower B2 Level

Selected Presentation
The global dairy industry faces several challenges – some new and some old. Papers in this session discuss technological adoption, mastitis, wealth distribution, and willingness to supply animal welfare practices.

Moderator: Jebaraj Asirvatham, Southern Illinois University

Credit, Technology Adoption and Collective Action in Tanzania’s Smallholder Dairy Sector
Edgar Twine, International Livestock Research Institute

Characterizing US Dairy Farm Wealth and Income Distribution
Joleen Hadrich, Colorado State University; Christopher Wolf, Michigan State University; Kamina Johnson, USDA-Animal and Plant Health Inspection Service

Dairy Farmer Willingness-to-Supply Animal Welfare Related Practices
Christopher Wolf, Michigan State University; Glynn Tonsor, Kansas State University
Concurrent Sessions — Tuesday, 2:45 PM - 4:15 PMM

2055 SP What More Can We Learn about Price Discovery?
Salon 5, Lower B2 Level

Selected Presentation
Various aspects of price discovery are discussed in this session, including dynamics, risk management, food scares, market power, and cash/futures market.

Moderator: Joseph Janzen, Montana State University

The Impact of Price Variability on Cash/Futures Market Relationships: Implications for Market Efficiency and Price Discovery
Carlos Arnade, USDA-Economic Research Service; Linwood Hoffman, USDA-Economic Research Service

Food Scares, Market Power and Farm-Retail Price Spread: The Case of Pork Market in China
Jiawu Dai, China Agricultural University; Xun Li, Wuhan University; Xiuling Wang, China Agricultural University; Xiaojie Mao, Wuhan University; Qiushuo Yu, University of Connecticut

Price Discovery and Risk Management in the US Distiller’s Grain Markets
Xiaoli Etienne, West Virginia University; Lindwood Hoffman, USDA-Economic Research Service

Dynamic Relationships and Price Discovery of Western Alfalfa Markets
Hernan Tejeda, Utah State University; Man-Keun Kim, Utah State University; Dillon Feuz, Utah State University

2056 SP Advances in Environmental and Hedonic Valuation III
Salon 6, Lower B2 Level

Selected Presentation
This session consists of four papers which present exploration in valuation methods to address specific policy questions or to better inform policy. The first paper addresses the problem of serial nonparticipation and status quo which arise from some users of environmental amenities to rule out a priori one or more options from the choice set. The paper unifies latent class models and hurdle models to estimate address variations in respondent groups and estimate the status quo effect. The second paper makes use of a natural experiment to value water from property prices. The third paper addresses the problem of bias introduced by systematic over-reporting of recreation frequency and the tendency to round off responses. It presents a simple method for censored estimation using incomplete beta functions. The fourth paper designs a choice experiment to value water security. It devises a method to take into account the contextual setting—conditions of drought or water surplus—which affects willingness to pay but is uncertain ex ante but affects valuation. This can provide policymakers with better information to plan and manage water supply and water charges.

Moderator: Kenneth Baerenklau, University of California, Riverside

A Generalized Latent Class Logit Model of Discontinuous Preferences in Discrete Choice Data
Zachary Brown, North Carolina State University; Katherine Dickinson, University of Colorado, Boulder

Estimating the Value of Water from Property Sales in an Arid High Environmental Amenity Region: A Difference-in-Difference in Approach
Pitchayaporn Tantibharnchanan, Washington State University

Recreation Survey Response Data: Patterns and Problems
J. Scott Shonkwiler, University of Georgia; Ashley Barfield, University of Georgia

Bethany Cooper, La Trobe University; Michael Burton, University of Western Australia; Lin Crase, Centre for Water Policy and Management, La Trobe University
Marketing Aspects of Coffee, Apple, Maize and Local Foods

Nob Hill A, Lower B2 Level

Selected Presentation

This section will focus on discussing the marketing aspects of coffee, apple, and maize and locally sourced food. Specifically papers will discuss smallholders and high-quality coffee markets, apple marketing contracts in China, local foods and new markets, and different trade regimes and Chinese maize prices.

Moderator: Benjamin Campbell, University of Connecticut

Impacts of Smallholder Participation in High-quality Coffee Markets: The Relationship Coffee Model
Juan Nicolas Hernandez-Aguilera, Cornell University; Miguel Gomez, Cornell University; Amanda Rodewald, Cornell University; Ximena Rueda, Universidad de los Andes, Colombia; Colleen Anunu, Cornell University; Ruth Bennett, Cornell University; Robert Schindelbeck, Cornell University; Harold Van Es, Cornell University

Linking Apple Farmers to Markets: Determinants and Impacts of Marketing Contracts in China
Wanglin Ma, Department of Food Economics and Consumption Studies; Awudu Abdulai, University of Kiel

Local Foods and New Market Entrants: The Role of Competition and Differentiation
Cristina Connolly, The Ohio State University; Allen Klaiber, The Ohio State University

Price Transmission and Co-integration under Different Trade Regimes: The Case of Chinese Maize Prices
Matthias Kalkuhl, University of Bonn; Jikun Huang, Center for Chinese Agricultural Policy - Chinese Academy of Sciences; Guolei Yang, Center for Chinese Agricultural Policy

Food Choices and Impacts

Nob Hill B, Lower B2 Level

Selected Presentation

Impact of Farm to School Programs on Students' Consumption of Healthful Foods: An Empirical Analysis in Georgia.

Moderator: Constance Newman, USDA-Economic Research Service

Impact of Farm to School Programs on Students' Consumption of Healthful Foods: An Empirical Analysis in Georgia
Simone Johnson, University of Georgia; Joshua Berning, University of Georgia; Gregory Colson, University of Georgia; Travis Smith, University of Georgia

The Effect of Healthy School Meals on Student Academic Performance
Michael Anderson, University of California, Berkeley; Justin Gallagher, Case Western Reserve; Elizabeth Ramirez, University of California, Berkeley

The Cost Savings of Changes to Healthier Diets in the US
Sarah Rehkamp, USDA-Economic Research Service; Azzeddine Azzam, University of Nebraska-Lincoln; Christopher Gustafson, University of Nebraska-Lincoln
Concurrent Sessions — Tuesday, 2:45 PM - 4:15 PM

2059  SP Health and Nutrition: Household Perspectives
Pacific A, Fourth Level

Selected Presentation
This session includes papers on child health with special emphasis on women/mothers, child maltreatment, and the relationship between individuals' weight and depression.

Moderator: Bidisha Mandal, Washington State University

Polygyny: Effect of Cooperation Versus Competition among Wives on Child Health
Peter Han, University of Wisconsin; Jeremy Foltz, University of Wisconsin

Child Maltreatment, Family Characteristics, and Educational Attainment: Evidence from Add Health Data
Xiangming Fang, China Agricultural University; Nori Tarui, University of Hawaii at Manoa

Body Weight and Depression: A Simultaneous Equation Approach
Jun Zhang, University of Maryland

2060  SP Schooling, Labor Force, and Migration
Pacific B, Fourth Level

Selected Presentation
Papers in this session cover issues related to shocks, schooling, labor market outcomes, and migration. One paper investigates migration choices in Indonesia while another look at impact of migration on poverty in Morocco. A third paper examines schooling attainment and entry into the labor market in Madagascar. A fourth paper studies the spillover effects of a public work program on migration and labor outcomes in India.

Moderator: Paul Wilson, University of Arizona

The Role of Personality, Cognition and Shocks in Determining School Attainment and Age of Entry into the Labor Market in Madagascar
Kira Villa, University of New Mexico; David Sahn, Cornell University

Migration Choice under Risk and Liquidity Constraints
Marieke Kleemans, University of California, Berkeley

The Spillover Effects of Public Works on Migration, Labor Allocation and Wages: Evidence from National Rural Employment Guarantee Act, India
Ashesh Prasann, Michigan State University

Labor Migration, Poverty and the Long-term Development Impact of International Migration in Morocco
Yoko Kusunose, University of Kentucky; Karen Rignall, University of Kentucky

2061  SP Trade V - Evaluation of Current and Prospective Trade Liberalization Agreements
Pacific C, Fourth Level

Selected Presentation
While bilateralism is still the standard for many trade negotiations globally, trade liberalization efforts have recently move from emphasizing bilateral trade agreements to involving blocs of countries of already established regional FTAs as stepping stones towards the goal of achieving broader trade liberalization. The papers in this session explore the potential effects of such efforts and their implications.

Moderator: Niven Winchester, Massachusetts Institute of Technology

The GATT/WTO Trade Effect 20 Years Later: A Critical Review and New Insights
Jason Grant, Virginia Tech; Kathryn Boys, North Carolina State University

Regional Trade Agreement, Global Trade Implications: EU-Mercosur Agricultural Trade Liberalization
Kari Heerman, USDA-Economic Research Service; Stephanie Riche, USDA-Economic Research Service

Atlantic versus Pacific Agreement in Agri-food Sectors: Does the Winner Take it All?
Anne-Célia Dissier, INRA; Charlotte Emlinger, CEPII; Jean Fouré, CEPII

The Transatlantic Trade and Investment Partnership: Effects on US, EU, and World Agriculture
Concurrent Sessions — Tuesday, 2:45 PM - 4:15 PM

2062 SP Water Use IV - Urban and Agricultural Water Demand
Pacific E, Fourth Level

Selected Presentation
The papers in this session focus on the economics of water use in the context of the Western US. Specific papers look at water markets and storage as well as water demand from urban and agricultural users.

Moderator: Dawn Thilmany McFadden, Colorado State University

Modeling Imperfectly Competitive Water Markets in the Western US
Allison Bauman, Colorado State University; Christopher Goemans, Colorado State University; James Pritchett, Colorado State University; Dawn Thilmany McFadden, Colorado State University

Water Storage Capacities versus Conservation Efficiency: Substitutes or Complements?
Yang Xie, University of California, Berkeley; David Zilberman, University of California, Berkeley

Forecasting Urban Water Demand in California
Steven Buck, University of California, Berkeley; Hilary Soldati, University of California, Berkeley; David Sunding, University of California, Berkeley

Climate Change and Crop Production in the Western United States: The Role of Surface Irrigation Water
Dale Manning, Colorado State University; Alexander Maas, Colorado State University; Christopher Goemans, Colorado State University

2063 SP Climate Change Adaptation and Impact III - Productivity
Pacific F, Fourth Level

Selected Presentation
Drought and heat stresses are increasing or are likely to increase in many parts of the world due to climate change. This session presents four case studies of impact and adaptation to climate change in agriculture, with empirical applications to the United States, France, Russia, and tropical rice. Models include non-linear effects of abiotic stresses on agricultural productivity.

Moderator: Robert Beach, RTI International

The Effects of R&D on Agricultural Productivity of Australian Broadacre Agriculture: A Semiparametric Smooth Coefficient Approach
Farid Khan, Curtin University; Rahul Salim, Curtin University

Efficiency of Wind Energy Production and Its Determinants
Martin Odening, Humboldt University of Berlin; Simone Pieralli, University of Maryland and Humboldt University of Berlin; Matthias Ritter, Humboldt University of Berlin

Adaptation of US Agricultural Production to Drought and Climate Change
Joshua Woodard, Cornell University; Leslie Verteramo Chiu, Cornell University; Alyssa Miller, Cornell University

The Impact of Climate Change on French Agriculture Productivity
Simone Pieralli, University of Maryland and Humboldt University of Berlin

2064 SP Energy Economics IV - Impacts and Cost-Effectiveness of Renewable Energy Programs
Sierra F, Fifth Level

Selected Presentation
This set of studies explores the production and market impacts of mechanisms for incentivizing renewable energy production.

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

Price Interaction in State Level Renewable Energy Credit Trading Programs
Kyle Binder, Texas A&M University; Richard Woodward, Texas A&M University; James Mjelde, Texas A&M University

Cost-Effectiveness of Policies Supporting Solar Panels in Indiana
Juan Pablo Sesmero, Purdue University; Jinho Jung, Purdue University; Wallace Tyner, Purdue University

Melissa Lynes, Kansas State University; Allen Featherstone, Kansas State University
Concurrent Sessions — Tuesday, 2:45 PM - 4:15 PM

2065  **SP** Crop Insurance III - Current Issues  
*Pacific I, Fourth Level*

**Selected Presentation**  
Papers in this session discuss current issues related to crop insurance, including optimal coverage and innovative methods to rate insurance contracts.

**Moderator:** Rulianda Wibowo, Kansas State University

- Optimal Coverage Level Choice and the Producer Participation in Supplemental Deductible Coverage and Underlying Yield and Revenue Protection  
  **Shyam Adhikari,** Aon Benfield

- Rating Area-yield Crop Insurance Contracts Using Bayesian Model Averaging and Mixture Models  
  **Yong Liu,** University of Guelph; **Alan Ker,** University of Guelph

- Rating Exotic Price Coverage in Crop Revenue Insurance  
  **Barry Goodwin,** North Carolina State University; **Austin Ramsey,** North Carolina State University

2066  **TS** Agricultural Conservation and Land Use Change: Experimental and Econometric Investigations of Behavior and Policy  
*Pacific J, Fourth Level*

**Track Session – ENV Section**  
Agricultural land use decisions and adoption of conservation practices are influenced by markets and public policies. This session brings together three studies that use publicly available data and data from field experiments conducted in different states and across different spatial scales to increase understanding of the types of land use conversions that are occurring and behavioral responses to framing conservation practices in different ways. Novel research designs are employed to investigate the source of land brought into production and out of the Conservation Reserve Program, the role of crop insurance programs in determining farmers’ planting decisions in the Corn Belt, and how cash incentives and cost-sharing influence voluntary adoption of conservation practices. The session will be of interest to the broader AAEA membership given the linkages to agricultural policy, experimental and behavioral economics and applied econometrics.

**Organizers:** Kathleen Bell, University of Maine; Ben Gramig, Purdue University

**Moderator:** Ben Gramig, Purdue University

- Cropland Acreage Response to Price: Challenges from Data Measurement Errors and Government Programs  
  **Nathan Hendricks,** Kansas State University; **Emrah Er,** Kansas State University

- Impacts of Changes in Federal Crop Insurance Programs on Land Use and Environmental Quality  
  **Christian Langpap,** Oregon State University; **JunJie Wu,** Oregon State University; **Roger Claassen,** USDA-Economic Research Service; **Jeffrey Savage,** USDA-Economic Research Service

- Using Field Experiments to Improve Conservation Program Performance  
  **Kent Messer,** University of Delaware; **William Allen,** The Conservation Fund; **Paul Ferraro,** Georgia State University
**Current Issues in Cooperative Finance**

*Sierra A, Fifth Level*

**Track Session – AFM Section**

Cooperative businesses are corporations distinguished by the joint pursuit of social and commercial objectives. This feature affects operations of individual firms. For example, the residual benefits of a cooperative firm are used to benefit the current users of the firm, not its current owners. Hence today’s users of the firm are stewards of its assets on behalf of future users. Furthermore, these benefits are distributed via mechanisms of social participation. This complex economic objective typically ignores profit maximization despite pursuing revenues in a marketplace. Hence the financial operations of cooperative firms are distinct from those of investor-owned firms. This characteristic of cooperative business firms suggests their industrial structure may evolve in response to traditionally microeconomic or macroeconomic variables in such a way as to alter the capacity of any one firm to achieve its social objective. This track session will discuss four research programs designed to detect and measure some of these effects on cooperative businesses.

**Organizer:** Brian Briggeman, Kansas State University

**Moderator:** Michael Gunderson, Purdue University

- Consolidation of Rural Credit Unions
  *Gregory McKee,* North Dakota State University

- Consolidation of Agricultural Farm Supply and Grain Marketing Cooperatives
  *Keri Jacobs,* Iowa State University

- Distributing Patronage Income under Differing Tax Rates and Member Risk Preferences
  *Brian Briggeman,* Kansas State University

- Valuing the Cooperative Firm
  *Philip Kenkel,* Oklahoma State University

**Food Security in an Imperfect World: Method, Causes and Remedies**

*Sierra B, Fifth Level*

**Track Session – International/ARA Sections**

Eleven years ago, IFPRI published a book entitled “Ending Hunger in our Lifetime” and there are countless other books and papers on how to end hunger in the world, not to mention many declarations from World Food Summits, MDGs and others. But it is clearly a “wicked problem” that defies easy answers and has frustrated the best intentions of global scholars and policy makers. Indicators have shown that the share of undernourished populations has declined; and poverty, which is a major cause of hunger, has declined even more, but reducing the number of hungry mouths, especially in Africa, has been far more difficult.

This session is not intended to solve the problem, but to explore various manifestations of food insecurity at macro and micro levels and differing approaches to analyzing the problem or proposed remedies. The session should attract those interested in hunger and poverty issues and is designed as a panel with short introductions to engage audience reaction and participation in discussion with panelists and with each other for half the session time. The panel is a selected subset of authors who are part of AAEA and AAEA’s International and Applied Risk Analysis Sections and also span different aspects of food insecurity and different analytical methods.

**Organizers:** William Meyers, University of Missouri; Ashok Mishra, Louisiana State University

**Discussant:** William Meyers, University of Missouri

- The USDA International Food Security Assessment Model: Methodology and Application
  *Anthony Murray,* USDA-Economic Research Service; *John Beghin,* Iowa State University; *Birgit Meade,* USDA-Economic Research Service; *Stacey Rosen,* USDA-Economic Research Service

- Benefit Cost Analyses – Distributional Welfare Weights and Food Security
  *Andrew Schmitz,* University of Florida; *Troy Schmitz,* Arizona State University; *P. Lynn Kennedy,* Louisiana State University; *Dwayne Haynes,* University of Florida

- Assessing the impact of Farmer’s Field Schools (FFS) on Food Security in East Africa
  *Seydina Sene, Sr.,”* Louisiana States University; *Ashok Mishra,* Louisiana State University
Track Session – China Section

Food safety concern has been a top agenda of every Chinese citizen for many years and this problem is still growing. In the meantime, the food safety issue has attracted significant attention of policy makers and agricultural economists inside and outside of China to study this problem. There is a growing body of research exploring consumers’ willingness to pay (WTP) to consume safer agricultural products, WTP for traceability, for labeling, and for brand names, etc. Others study the effectiveness of the implementation of various monitoring mechanisms on food suppliers’ behaviors toward food safety. Environmental deterioration is another top concern of the Chinese society, there has also been active research on the citizen’s WTP to environmental protection and/or restoration. China is also undergoing drastic change in food demand and food structure due to income growth, urbanization and economic transformation. On the production side, the rise of wage and increasing shortage of agricultural labor induces innovations in agricultural production system, the emergence of agricultural production services provided by various entities is one of such innovations. The set of papers included in this session attempt to explore these important issues.

Organizer: Songqing Jin, Michigan State University
Moderator: Wuyang Hu, University of Kentucky

Impact of Chinese Acquisition of a US Company on US Consumer Willingness to Pay
Yu Yvette Zhang, Texas A&M University; Marco Palma, Texas A&M University; Shaosheng Jin, Zhejiang University

Measuring Consumer Heterogeneous Preferences for Pork Traits under Media Report: Choice Experiment in Sixteen Traceability Pilot Cities, China
Zhen Yan, Zhejiang University; Jiehong Zhou, Zhejiang University; Kai Li, Zhejiang University

Self-Consumption, Gifting, and Chinese Wine Consumers
Wuyang Hu, University of Kentucky; Ping Qing, Huazhong Agricultural University

Study of Farmers’ Adoption Decision toward Agricultural Production Services: Evidence from rice farmers in Zhejiang Province
Chen Ji, Zhejiang University; Chan Chyan Wang, Zhejiang University; Hongdon Guo, Zhejiang University; Lian Xu, Zhejiang University

The Effects of Distance Education on Science and Technology of Agricultural Performance and Household Income: Evidence from Suburgan Beijing
Jian Xin Guo, Beijing Academy of Agriculture and Forestry Sciences; Song Qing Jin, Michigan State University; Lei Chen, Beijing Academy of Agriculture and Forestry Sciences; Min Wang, Beijing Academy of Agriculture and Forestry Sciences; Junfeng Zhang; Sufen Sun, Beijing Academy of Agriculture and Forestry Sciences

Track Session – TLC/SS-AEA Sections

Two papers address the practicalities of different facets of assessing quality and performance of undergraduate education in agricultural business. The papers separately report and summarize the results of a pair of year-long efforts to (a) characterize levels of attainment in agricultural business programs across our discipline with respect to a suite of student learning outcome standards and (b) evaluate the efficacy of integrative capstone experiences from a post-graduation perspective. The last half of the session is dedicated to a workshop-like encounter where the four coauthors lead session participants through a discussion of best practices for evaluating and implementing generalized lessons from the studies in individual departmental programs.

Organizer: W. Marshall Frasier, Colorado State University

Learning Outcome Standards for Undergraduate Programs in Agricultural Business
W. Marshall Frasier, Colorado State University

The Benefits of Undergraduate Capstone Experiences - Alumni Perspectives
Lynn Hamilton, California Polytechnic State University, San Luis Obispo; Leah Mathews, University of North Carolina - Asheville
Concurrent Sessions — Tuesday, 2:45 PM - 4:15 PM

2071 Prospects for GMOs and GMO Labeling
Pacific H, Fourth Level

Track Session – Senior/Extension Sections
Mandatory GMO labeling bills have been introduced in over 20 states and more initiatives are in process. Colorado and Oregon voters rejected a ballot measure in November 2014 as did voters in California and Washington state earlier. Only in Vermont has a GMO labeling law passed, and it is being challenged in the courts. Congress will be considering legislation which would preempt state efforts. In addition to the rapid adoption of GMO varieties (corn, soybeans and cotton) in the US, so have farmers in the developing countries where planted acres to GMO crops now exceed that of industrial nations. Presenters will review the costs of mandatory GMO labeling, the consumer acceptance of GMOs and the prospects for GMOs in the US and internationally.

Organizer: John Ferris, Michigan State University
Moderator: John Ferris, Michigan State University

Prospects for GMOs and GMO Labeling
Alison Van Eenennaam, University of California, Davis

Consumer Acceptance of GMOs
Jayson Lusk, Oklahoma State University

Mandated Labels for GMOs
Julian Alston, University of California, Davis

Consumer Perspectives on GMO Labeling, Costs, and Safety
Michael Hansen, Consumers Union

2072 New Developments in Identifying Causal Effects in Econometrics
Sierra H, Fifth Level

Track Session – Econometrics Section
Guido Imbens is a pioneer in developing methods for drawing causal inferences in observational studies, using matching, instrumental variables, and regression discontinuity designs. Imbens is Professor of Economics at the Stanford Graduate School of Business. Previously, he held professorships at Harvard University, University of California, Los Angeles, and University of California, Berkeley. He is a fellow of the Econometric Society and the American Academy of Arts and Sciences.

Organizer: Aaron Smith, University of California, Davis
Presenter: Guido Imbens, Stanford University
Track Session – COSBAE/AEM Sections
Dairy production and trade have become key focal points for many large agricultural countries. Both domestic and international policies have been used to support dairy industries through margin protection insurance, supply management regimes, tariff rate quotas, and other trade impediments. Countries are helping their dairy exporters develop and maintain access to overseas markets, which allow farmers to maximize their potential returns. With substantial economic growth occurring in the developing world, large dairy exporters such as New Zealand, the United States, and the European Union–28 are competing to supply high-quality-protein foods to developing countries. Improvements in the competitiveness of foreign dairy products in domestic markets are realized as trade liberalizations and free trade-zone are utilized and/or initiated to help expand dairy trade in specific countries and regions. The potential impacts of present and proposed policies have or will have significant implications for dairy trade. While there are a number of factors affecting global dairy trade, the goals of this track session are to analyze and discuss the potential impact that trade liberalizations under the Trans-Atlantic Trade and Investment Partnership and Trans-Pacific Partnership will have on dairy exporters; the effects of margin protection insurance and supply management systems on dairy trade; the impact of a disease outbreak such as foot-and-mouth disease as well as sanitary and phytosanitary restrictions on dairy trade; and, the effects of volatile feed prices on dairy production and trade.

Organizer: Christopher Davis, USDA-Economic Research Service
Moderator: Christopher Davis, USDA-Economic Research Service
Discussant: Alfred Parks, Prairie View A&M University

Impacts of International Trade on US Dairy Demand
Donald Blayney, New Mexico State University; Terry Crawford, New Mexico State University; Christopher Davis, USDA-Economic Research Service

Valuation of 2014 Farm Bill Insurance Products – Which Program is More Feasible for Dairy Producers in the Pacific Northwest: MPP or LGM?
Ekaterina Vorotnikova, University of Idaho

Has China “Got Milk”?
Fred Gale, USDA-Economic Research Service; Michael Jewison, Office of the Chief Economist

Idaho Dry Milk and Cheese Trade to Asia
Ekaterina Vorotnikova, University of Idaho; Stephen Devadoss, University of Idaho

Implications of Trade Pacific Partnership for US Dairy Industry
Serhat Asci, California State University, Fresno; Mechel Paggi, California State University, Fresno; Fumiko Yamazaki, California State University - Fresno
**Concurrent Sessions — Tuesday, 2:45 PM - 4:15 PM**

### 2074 Tips on Securing a Job with an Agricultural or Applied Economics Graduate Degree

**Sierra J, Fifth Level**

**Track Session – GSS Section**

Nearing the completion of their terminal degree can be a nerve-wracking time for graduate students. For many, this can be the first true job search of their careers. This track session assembles presenters with experience on both sides of the hiring table and they will offer advice on how to secure a job in academia or industry. This session will be beneficial to anyone seeking insight on how to become a better job market candidate.

**Organizers:** Donald Malone, III, Oklahoma State University; Joshua Maples, Oklahoma State University

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

- Searching for an Academic Position and Finding the Right Fit
  **Steven Turner**, Mississippi State University

- What to Expect in the 20-Minute ‘Speed-Date’ Interview Session
  **Brenna Ellison**, University of Illinois at Urbana-Champaign

- Positioning Yourself as the “Talent” in an Agribusiness Company’s Talent Management Plan
  **Allan Gray**, Purdue University

- A Brave New World: Navigating the Economics Job Market with an Environmental or Agricultural Economics PhD
  **Steven Sexton**, Duke University

### 2075 Food Safety as a Global Public Good: Recent Advances in Strengthening the Foundation for More Effective Food Safety Management Around the World

**Sierra K, Fifth Level**

**Track Session – FSN/FAMPS Sections**

This session will look at several research and policy efforts designed to create the empirical foundation and policy support needed to manage foodborne disease as a globalized risk. The session will have 4 talks, 3 on research and 1 providing perspective on the forthcoming UN statement on food safety and nutrition followed by a discussant. Laurian Unnevehr will discuss recent efforts by the FAO/WHO to recognize the role of food safety in international nutrition policy as part of the Second International Conference on Nutrition. This effort will result in the first new declaration on nutrition policy actions in twenty-two years supported by member nations of the UN. Sandra Hoffmann will present results of a large multi-national research effort organized by the WHO designed to provide the first global estimates of the incidence and burden of foodborne disease. This effort provides regional estimates that are globally comparable and link foodborne disease to specific food exposures, and creates a foundation for risk-based country-level interventions. Clare Narrod will present research developing metrics for evaluating the effectiveness of the Joint Institute for Food Safety and Applied Nutrition training programs designed to build capacity to manage food safety in developing countries as well as the metrics approach being used to evaluate coordinated investments in food safety capacity under the World Bank's Global Food Safety Partnership. Kevin Chen will present research on China’s new effort to strengthen food safety regulation that provides an important national-level example of institutional development and investment in strengthening food safety institutions. Our discussant, Helen Jensen will provide a perspective on how these and other efforts are likely to affect the ability to manage food safety risks around the world.

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

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

**Discussant:** Helen Jensen, Iowa State University

- The Role of Food Safety in the FAO/WHO Second International Conference on Nutrition
  **Laurian Unnevehr**, University of Illinois at Urbana-Champaign

- WHO’s First Global Estimates of Foodborne Disease: What Are They and What Might They Mean for Food Safety Policy
  **Sandra Hoffmann**, USDA-Economic Research Service

- Building Capacity to Assure Food Safety in Low Income Countries: Progress Report on JIFSAN’s Training Initiatives
  **Clare Narrod**, University of Maryland; Tarik Chfadi, University of Maryland

- Food Safety Regulatory System in China: Key Elements for Improving Regulatory Effectiveness
  **Kevin Chen**, International Food Policy Research Institute-Beijing
Concurrent Sessions — Tuesday, 4:30 PM - 6:00 PM

2076 Controversies and Frontiers in Experimental Economics
Salon 1, Lower B2 Level
Invited Paper
This session will introduce AAEA meeting attendees to practical challenges facing potential experimental practitioners. The first paper focuses on the use of deception in experiments, using data from a survey of agricultural and experimental economists to give an overview of the issue of deception and insights into how the profession views the practice. The second paper introduces the emerging field of neuroeconomics, a combination of neuroscience and experimental economics that has the potential to transform our understanding of individual decision making. The third paper focuses on the challenges of conducting experiments in the field in developing countries.

Organizer: Carola Grebitus, Arizona State University
Moderator: Carola Grebitus, Arizona State University
Discussant: Hernan Bejarano, The Pennsylvania State University

Which Deceptive Practices, If Any, Should be Banned in Experimental Economics Research? Results from a Survey of Applied Experimental Economists
Gregory Colson, University of Georgia; Jay Corrigan, Kenyon College; Carola Grebitus, Arizona State University; Maria Loureiro, University De Santiago De Compostela; Matthew Rousu, Susquehanna University

Neural Antecedents of Attribute-based Demand: An fMRI Investigation of Consumer Choice among Eggs Varying by Price and Type of Housing
Jayson Lusk, Oklahoma State University; John Crespi, Kansas State University; J. Bradley Cherry, University of Missouri-Kansas City; Brandon McFadden, University of Florida; Laura Martin, University of Kansas Medical Center; Amanda Bruce, University of Missouri-Kansas City

Challenges of Conducting Economic Experiments in Developing Countries
Alvaro Durand-Morat, University of Arkansas; Eric Wailes, University of Arkansas; Rodolfo Nayga, University of Arkansas

2077 Water Markets in the Western United States: Supply Challenges and Frictions
Salon 2, Lower B2 Level
Organized Symposium – WAEA
This symposium includes four short presentations based on papers examining how policies can be used to optimize agricultural and urban uses of water and the larger implication these policies have for success of water markets: Sustainable Management of Groundwater in California: Buffer Stocks and Stabilization; Water storage and water markets as technical substitutes for drought risk mitigation; The Effect of Water Institutions on the Value of Water Storage in the West: Lessons from the Colorado-Big Thompson Project; and Saving Colorado Agriculture, One Gallon at a Time: A Latent Class Model of Heterogeneous Preferences for Water Policies and Their Impacts.

Organizer: Marco Costanigro, Colorado State University
Moderator: Christopher Goemans, Colorado State University

Sustainable Management of Groundwater in California
Duncan MacEwan, ERA Economics; Richard Howitt, University of California, Davis

Water Storage and Water Markets as Technical Substitutes for Drought Risk Mitigation
Jonathan Yoder, Washington State University; Michael Brady, Washington State University; Joseph Cook, University of Washington

The Effect of Water Institutions on the Value of Water Storage in the West: Lessons from the Colorado-Big Thompson Project
Alexander Maas, Colorado State University; Andre Dozier, Colorado State University; Dale Manning, Colorado State University; Christopher Goemans, Colorado State University

Saving Colorado Agriculture, One Gallon at a Time: A Latent Class Model of Heterogeneous Preferences for Water Policies and their Impacts
Janine Stone, Colorado State University; Marco Costanigro, Colorado State University; Christopher Goemans, Colorado State University
Concurrent Sessions — Tuesday, 4:30 PM - 6:00 PM

2078 Sustainable Management Approaches to Address Water Scarcity in the 21st Century

Organized Symposium
There are increasing concerns about the future availability of usable water resources. The session will discuss existing and potential management strategies and policies to respond to water scarcity challenges across key sectors in different regions of the United States and other OECD countries. In particular, panelists will discuss the lessons from and impediments for a wider implementation of the following approaches: water transfers, conjunctive water use, water reuse and desalination, adjusted water pricing, efficient irrigation, and policies including groundwater management.

Organizers: Guillaume Gruere, OECD; Jeffrey Peterson, Kansas State University; Jad Ziolkowska, University of Oklahoma
Moderator: David Zilberman, University of California, Berkeley
Panelists: Kelly Cobourn, Virginia Tech; Bonnie Colby, University of Arizona; Guillaume Gruere, OECD; Richard Howitt, University of California, Davis; Jad Ziolkowska, University of Oklahoma
Managing Water Scarcity in Agriculture: Insights from California
Richard Howitt, University of California, Davis
What Policies to Manage Groundwater Use in Agriculture? Lessons from an OECD Study
Guillaume Gruere, OECD
“Nimble” Water Transfers: Improving Response Time and Reducing Transaction Costs
Bonnie Colby, University of Arizona
Conjunctive Water Management in Hydraulically Connected Regions
Kelly Cobourn, Virginia Tech
Brackish Groundwater and Seawater Desalination for Mitigating Water Scarcity
Jad Ziolkowska, University of Oklahoma

2079 Developing Success Strategies for Mid-Career Reinvigoration

Organized Symposium
This symposium offers guided discussions to mid-career colleagues (industry, public service, and academia) who are (1) looking for new opportunities in their career, (2) seeking information about promotion strategies and support, and (3) looking for innovative ways to be re-invigorated in their current positions. Potential topics will include but not limited to the following:
1. re-define career and personal goals
2. re-evaluate career interests and paths
3. develop an action plan—how to achieve goals:
4. identify necessary resources, relationships, and strategies
5. dealing with people (negotiations; conflict resolution; dealing with difficult people; navigating political nuances).

Organizers: Chyi-Lyi Liang, University of Vermont; Cheryl Wachenheim, North Dakota State University
Panelists: Mary Clare Ahearn, Choices Editor; Catherine Chan, University of Hawaii at Manoa; Cynda Clary, Oklahoma State University; Paul Dunn, University of Louisiana at Monroe; Jill McCluskey, Washington State University; Sian Mooney, Arizona State University
**2080 Production Economics**  
*Salon 4, Lower B2 Level*

**Selected Presentation – Lightning Session**  
Papers in this session are on a variety of issues in Production Economics.

**Moderator:** James Miller, Mississippi Institutions of Higher Learning

*Working Cows as Capital Assets: An Application to Farm Output, Farm Productivity and GDP*
Rachel Soloveichik, Bureau of Economic Analysis-Department of Commerce; Virgil Ball, USDA-Economic Research Service; Roberto Mosheim, USDA-Economic Research Service

*Asset Fixity Under State-Contingent Production Uncertainty*
Sansi Yang, Washington State University; C. Richard Shumway, Washington State University

*Does Real-Time Pricing Have Economic and Environmental Benefits for Large Manufacturing Plants?*
Derya Eryilmaz, University of Minnesota; Jeffrey Apland, University of Minnesota; Timothy Smith, University of Minnesota

*U.S. Crop Yields: Considering Weather Effects Accounting for Human Inputs*
Federico Trindade, University of Nebraska

*Ethanol Plants, Crop Rotations, and Land Use: A Geospatial Analysis*
Andrew Stevens, University of California, Berkeley

*Fertilizer Use Intensification and Soil Fertility Impact on Corn Yield Response in Northern Ghana*
Anrony Chapoto, Indaba Agricultural Policy Research Institute; Darlington Sabasi, Washington State University; Collins Asante-Addo, International Food Policy Research Institute

*The Impact of Dynamic Profit Maximization on Biodiversity: A Network DEA Application to UK Cereal Farms*
Frederic Ang, University of Reading; Simon Mortimer, University of Reading; Francisco Areal, University of Reading; Richard Tiffin, University of Reading

*Does Late Delivery of Subsidized Fertilizer Affect Smallholder Maize Productivity and Production?*
Thelma Namonje-Kapembwa, Indaba Agricultural Policy Research Institute; Thomas Jayne, Michigan State University

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**2081 Farmland and Asset Values - Measurement and the Effect of Environmental Policies**  
*Salon 5, Lower B2 Level*

**Selected Presentation**  
With medium term variability in commodity prices at all time highs, trends in land values have been an area of great concern for agricultural economists. In this session papers discuss the effects term structures of land leases, land fragmentation, inflation, and CAFOs have on land values.

**Moderator:** Stephen Amosson, Texas A&M University

*The Term Structure of Land Lease Rates*
Martin Odening, Humboldt University of Berlin; Matthias Ritter, Humboldt University of Berlin; Silke Huettel, University Rostock

*Alberta Farmland Values: The Impact of Agricultural Land Conversion/Fragmentation*
Angela Bentley, University of Alberta; Scott Jeffrey, University of Alberta; Feng Qiu, University of Alberta

*Real Assets and Inflation: Which Real Assets Hedge Inflation?*
Rajan Parajuli, Louisiana State University; Sun Joseph Chang, Louisiana State University

*The Impact of Nutrient Management Regulations on New York Farmland Values*
Jennifer Ifft, Cornell University
 Concurrent Sessions — Tuesday, 4:30 PM - 6:00 PM

**Commodity Prices in a New Era**

*Salon 6, Lower B2 Level*

**Selected Presentation**

This session addresses commodity price volatility in a new era as well as two other important topics in commodity prices: financialization and commodity index investing.

**Moderator:** Doo Bong Han, Korea University

A Common Factor of Stochastic Volatilities between Oil and Commodity Prices

*Eunhee Lee,* Korea University; Doo Bong Han, Korea University; Shoichi Ito, Kyushu University; Rodolfo Nayga, University of Arkansas

Financialization of Agricultural Commodity Markets: Do Financial Data Help to Forecast Agricultural Prices?

*Xiaoli Etienne,* West Virginia University

Safer or Cheaper? Household Safety Concerns, Vehicle Choices, and the Costs of Fuel Economy Standards

*Yizao Liu,* University of Connecticut; *Yoon-Young Choi,* University of Connecticut; Ling Huang, University of Connecticut

**Informing Public Policy to Best Use Markets**

*Nob Hill A, Lower B2 Level*

**Selected Presentation**

This session consists of four papers two of which estimate consumer willingness to pay for specific food attributes, and two of which explore contracts for the provision of better water quality and ecosystem services. The common factor among the four papers is that they all go to inform policy for providing and improving the uptake of public goods or production processes that indirectly support public goods. The first paper estimates the willingness to pay for fish farmed in treated wastewater while the second paper estimates the willingness to pay for sugar fortified by vitamin A. The results seek to inform policy for reducing malnutrition by micronutrient fortification of food products sold in the open market in Kenya. The third paper applies the assurance contract to a PES field experiment to examine its effectiveness to raise money for a public good. The results show the assurance contract to be associated with higher probability of donation but lower amounts donated as compared with the no assurance contract. and the last paper uses a multiple imputation method to augment a data set with a low response rate to estimate farmers’ willingness to accept for adopting best management practice for water quality trading.

**Moderator:** Parveen Setia, USDA-Animal and Plant Health Inspection Service

Consumer Preference and Willingness-to-Pay for Fish Farmed in Treated Wastewater in Ghana

*Solomie Gebrezgabher,* International Water Management Institute; Sena Amewu, International Water Management Institute; Philip Amoah, International Water Management Institute

Farmers’ Willingness and Expected Economic Benefit to Adopt BMPs: An Application of Multivariate Imputation by Chained Equation Method

*Hua Zhong,* University of Kentucky; Wuyang Hu, University of Kentucky

Willingness-to-Pay for Sugar Fortification in Western Kenya

*Kennedy Otieno Pambo,* University of Nairobi

Marketing Ecosystem Service Using an Individual Price Auction Mechanism: Lessons from Bobolink Farming

*Anwesha Chakrabarti,* University of Connecticut; Stephen Swallow, University of Connecticut; Christopher Anderson, University of Washington
2084 SP Beverage Marketing, Menu Labeling, and Local Foods  
Nob Hill B, Lower B2 Level  

Selected Presentation  
Papers in this session will center attention on marketing aspects of beverages, menu labeling, and local food markets. Specifically the papers will discuss online and offline advertising with respect to carbonated soft drinks, demand for organic and non-organic non-alcoholic beverages, restaurant menu labeling and choice experiments involving eye-tracking, and demand and food safety in local food markets.  

Moderator: Metin Cakir, University of Minnesota  

Substitution between Online and Offline Advertising: Evidence from the Carbonated Soft Drink Industry  
Xi He, University of Connecticut; Rigoberto Lopez, University of Connecticut; Yizao Liu, University of Connecticut  
The Effect of Restaurant Menu Labeling on Consumers’ Choice: Evidence from a Choice Experiment Involving Eye-Tracking  
Madiha Zaffou, University of Connecticut; Benjamin Campbell, University of Connecticut  
Indirect Demand and Food Safety in Intermediated Local Food Markets: Evidence from Buyer Surveys in California and North Carolina  
Jacob Brimlow, California State University, Chico; James Matson, Matson Consulting, LLC  
Are Organic Beverages Substitutes for Non-organic Counterparts? Household-level Semiparametric Consumer Demand Systems Approach  
Senarath Dharmasena, Texas A&M University; Pan Liu, Texas A&M University  

2085 SP Trade IV - Trade Restrictions and the Politics of Trade Policy  
Pacific A, Fourth Level  

Selected Presentation  
This set of papers addresses various trade policy issues, including the impacts of border measures and the politics of trade policy.  

Moderator: Benjamin Wood, International Initiative for Impact Evaluation  

Price Volatility, Tariff structure and the Special Safeguard Mechanism  
Amanda Leister, Colorado State University; Badri Narayanan Gopalakrishnan, Purdue University  
Domestic Price and Welfare Effects of the 2007-11 Indian Grain Export Ban  
Christian Elleby, University of Copenhagen  
An Economic Analysis of Political Influence behind US Border Rejections of Agri-Food imports From Canada  
Emily Rollins, University of Guelph; Spencer Henson, University of Guelph  
US-Mexico Sugar Markets and the Effects of the Agreement to Suspend Countervailing Duty Investigations  
Jarrett Whistance, University of Missouri; Andrick Payen Diaz De La Vega, University of Missouri; Wyatt Thompson, University of Missouri  

2086 Intra-household Allocation of Resources  
Pacific B, Fourth Level  

Selected Presentation  
This session includes papers examining intra-household allocation of resources in four different countries. Two papers focus on agricultural issues while the other two focus on household welfare.  

Moderator: Jane Kolodinsky, University of Vermont  

Effects of Prior Children Characteristics on Intra-household Allocation in Indonesia’s Conditional Cash Transfer Program  
Milda Irhamni, Applied Economics  
Family Structure, Social Norms, and Agricultural Input Allocation Across Collective Plots and Private Plots in Developing Countries: The Case of Mali  
Aissatou Ouedraogo, Michigan State University  
Heterogeneous Household Consumption Response to Demographic Changes  
Asare Tiwum Barima, University of California, Davis
2087 **Economic and Weather Shocks**

*Pacific C, Fourth Level*

**Selected Presentation**

The papers in this session examine adaptation strategies to climatic shocks as well as impact of economic shocks. The first paper uses choice experiment to estimate demand for drought management tools in Bangladesh. The second paper employs cross-country observations to estimate flood control innovations and economic damages, while the third paper documents the causal effect of economic shocks on civil conflict in several sub-Saharan Africa countries. The last paper investigates the impact of negative crop income shocks on investments in own-farm production in Zambia.

**Moderator:** Nzinga Broussard, USDA-Economic Research Service

Demand for Complementary Financial and Technological Tools for Managing Drought Risk: Evidence from Rice Farmers in Bangladesh

**Patrick Ward,** International Food Policy Research Institute; David Spielman, International Food Policy Research Institute; David Ortega, Michigan State University; Neha Kumar, International Food Policy Research Institute; Sumedha Minocha, International Food Policy Research Institute

Economic Shocks, Governance and Violence: A Subnational Level Analysis of Africa

Shahriar Kibriya, Conflict and Development Center; **Zhicheng Xu,** Texas A&M University; Yu Zhang, Texas A&M University

Do Crop Income Shocks Widen Disparities in Smallholder Agricultural Investments? Panel Survey Evidence from Zambia

**Yoko Kusunose,** University of Kentucky; Solomon Tembo, Indaba Agricultural Policy Research Institute; Nicole Mason, Michigan State University; Melinda Smale, Michigan State University

2088 **Climate Change Adaptation and Impact IV - Land Use**

*Pacific E, Fourth Level*

**Selected Presentation**

The papers in this session explore behavioral and policy responses to climate change. In particular, the papers investigate how climate variation influences crop yields, adaptation strategies, and land conversion.

**Moderator:** Shady Atallah, Purdue University

Impact Analysis of Decadal Climate Variability on Crop Yields in the Marias River Basin

**Jinxiu Ding,** Xiamen University; Chin-Hsien Yu, Southwestern University of Finance and Economis; Bruce McCarl, Texas A&M University

Land Use Change as an Adaptation Strategy of US Farms to Climate and Risk

**Jae-hoon Sung,** Iowa State University; John Miranowski, Iowa State University

Additionality, GHG Offsets, and Avoiding Grassland Conversion in the Prairie Pothole Region

**Justin Baker,** RTI International; Anna Latane, RTI International; Jeremy Proville, Environmental Defense Fund

Adaptation to Climate Change through Crop Choice: A High Resolution Analysis

Ariel Ortiz-Bobea, Cornell University; **Haoying Wang,** The Pennsylvania State University; Shun Chonabayashi, Cornell University
Concurrent Sessions — Tuesday, 4:30 PM - 6:00 PM

2089 SP Technology Adoption III - Case Studies in Developing Countries
Pacific F, Fourth Level

Selected Presentation
This session examines constraints to and impact of adoption of agricultural technologies. Case studies include crop varieties and fertilizer micro-dosing in Sub-Saharan Africa and wheat germplasm in China.

Moderator: Duncan Boughton, Michigan State University

Adaptation and Adoption of Improved Seeds through Extension: Evidence from Farmer-Led Groundnut Multiplication in Uganda
Jeremy Jelliffe, University of Connecticut; Boris Bravo-Ureta, University of Connecticut; C. Michael Deom, University of Georgia

How Profitable is Sustainable Intensification? The Case of Fertilizer Microdosing in Niger
Saweda Liverpool-Tasie, Michigan State University; Awa Sanou, Michigan State University

Evaluating the Impact of Adapting CIMMYT Wheat Germplasm in China: Implications for Wheat Productivity
Cheng Xiang, Center for Chinese Agricultural Policy, Chinese Academy of Sciences; Jikun Huang, Center for Chinese Agricultural Policy - Chinese Academy of Sciences

2090 SP Water Use V - Water Sales and Scarcity
Pacific H, Fourth Level

Selected Presentation
This set of studies explores topics related to water resource availability, management, and markets.

Moderator: Yusuke Kuwayama, Resources for the Future

Effects From a Farmer-led Collective Action Water Management Plan on Irrigators in Kansas
Krystal Drysdale, Kansas State University; Nathan Hendricks, Kansas State University

Determinants of Water Sales During Droughts: Evidence from Rice Farm-Level Data in California
Anita Chaudhry, California State University, Chico; Dean Fairbanks, California State University, Chico; Alyssa Caldwell, California State University, Chico

Demand and Welfare Estimation Under Block Rate Water Pricing
Kenneth Baerenklau, University of California, Riverside

Agricultural Production, Irrigation, Climate Change, and Water Scarcity in India
Farzad Taberipour, Purdue University; Thomas Hertel, Purdue University; Badri Narayanan Gopalakrishnan, Purdue University; Sebnem Sahin, World Bank

2091 SP Risk Preferences and Risk Perception
Pacific I, Fourth Level

Selected Presentation
Risk preferences and risk perception are two important dimensions of risk-taking behavior. This session addresses their impacts on individual choices in distinct environments using unique datasets and experimental data.

Moderator: Olena Sambucci, University of California, Davis

Experimental Evidence on Attitudes to Price Uncertainty
Yu Na Lee, University of Minnesota; Marc Bellemare, University of Minnesota; David Just, Cornell University

Precautionary Intentions and Risk Perceptions: Empirical Evidence from the Post- Typhoon-Morakot Household Survey in Taiwan
Wan-Jung Chou, APEC Reserach Center for Typhoon and Society; Ching-Cheng Chang, Academia Sinica; Yu-Chia Huang, National Taiwan University; Shih-Hsun Hsu, National Taiwan University

Effect of Price Risk on Migration: Evidence from Ethiopian Rural Households
Yu Na Lee, University of Minnesota

Justina Lawal, Cocoa Research Institute of Nigeria; Bolarin Omonona, Cocoa Research Institute of Nigeria; Isaac Oluwatayo, University of Limpopo; Abayomi Oyekale, University of Ibadan; Kabir Salman, University of Ibadan
Concurrent Sessions — Tuesday, 4:30 PM - 6:00 PM

2092 SP Papers on Place - Migration, Trade, and Quality of Life
Pacific J, Fourth Level

Selected Presentation
This session explores the role of place in migration, trade, and quality of life. Two papers explore the role of hierarchical position on population growth and income disparity. Other papers consider determinants of migration and quality of life. Discussion centers on why place matters and how people interact to create place (a space, area, or spot, set apart or used for a particular purpose).

Moderator: Chenyi He, University of Florida

The Significance of Urban Hierarchy in Explaining Population Dynamics in the United States
Elizabeth Dobis, Purdue University; Michael Delgado, Purdue University; Raymond Florax, Purdue University; Peter Mulder, Vrije Universiteit

Nice Neighborhood or Network Capital: What Drives Residential Quality of Life?
Nana Zarnekow, University of Kiel; Christian Henning, University of Kiel

Workplace Anchored Migration in US Counties
Yicheol Han, The Pennsylvania State University; Stephan Goetz, The Pennsylvania State University

2093 T5 Ebola: Predicting it, Addressing it, and Food Security Impacts
Sierra B, Fifth Level

Track Session – International Section
Health impacts of Ebola have been devastating. What can be done to predict more accurately the spread of infectious diseases, such as Ebola, in low-income countries? What can and is being done at the community level to minimize the effects of Ebola? What are the short and long run food security implications of the disease? Without prompt action by local, national, and international communities, Ebola affects food security in ways that persist during and after the disease's lifecycle. Agricultural regions in Guinea, Liberia, and Sierra Leone have been hard hit by the Ebola epidemic. Prices of rice, cassava, and other commodities there have increased. Disruptions in production, labor markets, and trade have reduced food security for vulnerable groups, and school closings have short and long run impacts. A panel of economic development experts will address the Ebola crisis from three dimensions. One panelist will focus on modelling being done to project the spread of the disease, a second on how communities in Liberia have dealt with the problem and lessons learned, and a third on food security implications. The first panelist is an economist who works with an interdisciplinary team that models infectious diseases and other epidemics around the World. The second “panelist” is a husband and wife couple who has lived and worked in Liberia for the past 12 years and have assisted local communities in dealing with challenges presented by the Ebola crisis. They will speak about their experiences in Liberia during the outbreak and the lessons they see for addressing future disease crises. The third panelist will focus on food security impacts of Ebola as assessed by the IFPRI. Their remarks will be followed by a discussant who is an epidemiologist. This International Track session is also sponsored in part by the Blue Ribbon Development Panel of C-FARE, which is charged with identifying cutting edge solutions to 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 Tech

Projecting the Spread of Infectious Diseases
Achla Marathe, Virginia Tech

Addressing the Challenges of Ebola in Communities: Lessons from Liberia
James Gray, Virginia Tech; Lyn Gray, IREX Liberia

Food Security Implications of the Ebola Crisis
Shenggen Fan, International Food Policy Research Institute
Concurrent Sessions — Tuesday, 4:30 PM - 6:00 PM

2094  SP Crop Insurance IV - Participation, Welfare Impacts and Production Effects
Sierra C, Fifth Level

Selected Presentation
This set of papers focuses crop insurance producer participation motives, yields impacts, and welfare impacts.

Moderator: Mesbah Motamed, USDA-Economic Research Service
Estimating Distributional Impacts of Federal Crop Insurance Program
Jialing Yu, Oregon State University; JunJie Wu, Oregon State University
Aggregate Welfare Effects of Federal Crop Insurance Program: Are They Welfare-Improving?
Jialing Yu, Oregon State University; JunJie Wu, Oregon State University

2095  TS Understanding the Role of Performance Management in Food and Agribusiness Firms
Sierra E, Fifth Level

Track Session – AEM Section
This track session focuses on the role of performance management in firm performance. The research aims to catalogue adoption of practices and its impact on firm performance in the food, beverage, and agribusiness industry. Discussion will also address hurdles firms face as they implement best performance management practices. Results will be shared from the literature that inform the breadth of performance management adoption.

The three panelists will provide a discussion of performance management as they relate to the growth of small agribusinesses, small food firms, and more broadly the role in middle market firms. The remainder of the session will be open to discussion regarding how researchers can push the academic literature in agribusiness management and economics. Another desired outcome is that audience members share the research they are pursuing to address the role of human capital in food and agribusiness firms.

Organizer: Michael Gunderson, Purdue University

Moderator: Christopher Peterson, Michigan State University, Product Center
Performance Management and Its Role in the Growing Firm
Allan Gray, Purdue University
Understanding the Role of Performance Management in Small Food Firms’ Success
Brent Ross, Michigan State University
Survey Results of Performance Management Practices in Middle Market Firms
Michael Gunderson, Purdue University
The Role of the Developing and Emerging Countries in Shaping the Future of the Global Trade System

Sierra F, Fifth Level

Track Session – International/Senior Sections

The post-war era of leadership of the multilateral trade system by the US, Europe, Japan and Canada has come to an end. The future of the trade system will increasingly depend on the active participation of emerging countries such as China, India, Brazil, Russia, Indonesia, Korea and South Africa. Moreover, the developing countries in Asia, Africa and Latin America will also play an important role in building a trade system that meets their needs. Developed countries remain crucial to reaching agreement on new trade rules and up-holding current agreements, but these countries can no longer determine the agenda alone. The sorry state of the WTO Doha Round, still on life-support after 13 years, underlines the ennui that surrounds the multilateral trade system. The action has moved to mega-regional agreements, such as the Transpacific Partnership (TPP) among twelve Asia-Pacific countries, the Transatlantic Trade and Investment Partnership (TTIP) linking the US and the EU, and the Regional Comprehensive Economic Partnership (RCEP) that involves countries with which ASEAN has bilateral trade agreements (including China). The countries that previously had preferential access into the European market now are aggregated into Economic Partnership Agreements (EPAs) with the EU. These partnership agreements pose a dilemma for developing countries that have to choose whether to participate and indeed which Partnership to join. Regions where no such partnerships exist face additional problems of access into major markets. How the emerging and developing countries respond to these tectonic changes in the world trading system will have major ramifications for agricultural as well as manufactured trade. Will the trend towards open markets, with tariffs bound and reduced and subsidies constrained continue into the future? Or will the need for policy space (for food security and rural development) lead to a weakening of the constraints on agricultural and food policies? Can the mega-regionals deliver open market access and subsidy limitation? Or will they find it necessary to take a pass on sensitive domestic issues relating to agricultural programs? The session is designed to elucidate these questions and provide tentative answers as seen from the viewpoint of each of the major regions of the developing world.

Organizer: Timothy Josling, Stanford University
Moderator: Timothy Josling, Stanford University
Panelist: C. Peter Timmer, Harvard University

China’s Long-run Trade Strategy and Implications for Agricultural Markets
William Martin, World Bank

How India Sees the Place of Agricultural Trade in the World Trade System
Gopinath Munisamy, USDA-Economic Research Service; Maurice Landes, III, USDA-Economic Research Service

The Options for Latin America in a Multipolar World Trade System
Alberto Valdes, Catholic University of Chile

Africa in the Emerging Trade Environment: Interests, and Options
Paul Brenton, World Bank
Policy for Managing Infectious Livestock Diseases

Sierra H, Fifth Level

Track Session – Australasia Section

Contagious livestock diseases can cause major harm to human and animal health, to firms, and to consumers and taxpayers. The costs of these diseases (and costs and benefits of alternative policies to manage them) can be high, including diverse components such as compensation for culling of animals, loss of market access, and risks to human health. These consequences are difficult to measure ex post, let alone predict ex ante, and they do depend on policy. The basis for particular policies is often weak or questionable. National policies to prevent and control contagious livestock diseases can have implications for international and interregional trade, and sometimes run afoul of international trade agreements. The evolution of a disease or outbreak is usually uncertain and events can outrun policies unless strategic decisions have been made in advance, and appropriate institutions and contingency plans are in place. Economists, epidemiologists and policy makers need to communicate clearly with each other to ensure better policies for managing contagious livestock diseases. Politics and political economy aspects are a significant consideration. This session entails two main presentations related to these issues. First, Alan Olmstead (University of California, Davis) will present historical perspectives on the issues based on his new book with Paul Rhode, Arresting Contagion: Science, Policy, and Conflicts over Animal Disease Control in the United States. Second, Ellen Goddard (University of Alberta) will provide some contemporary perspectives based on her work on a range of recent outbreaks of contagious livestock disease and evidence on their economic consequences and government responses to them. The discussion will be opened by Dan Sumner (University of California, Davis). In his discussion, Sumner will link history and economics of animal disease and food safety public goods to current food regulations that limit international trade in livestock and regulations on farm practices for eggs and hogs that are rationalized on food safety claims.

Organizers: Julian Alston, University of California, Davis; Joanna MacEwan, Precision Health Economics

Moderator: Julian Alston, University of California, Davis

Discussant: Daniel Sumner, University of California, Davis

Arresting Contagion: Science, Policy, and Conflicts Over Animal Disease Control in the United States

Alan Olmstead, University of California, Davis

Government Responses to the Market and Non-Market Outcomes of Animal Disease Outbreaks

Ellen Goddard, University of Alberta

Graduate Student Extension Competition Winners

Sierra I, Fifth Level

Track Session – GSS/Extension Sections

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.

Organizers: David Anderson, Texas A&M University; Donald Malone, III, Oklahoma State University; Joshua Maples, Oklahoma State University
Advancing Behavioral Methods for Assessing Consumer Demand: Applications to Food Safety and Animal Welfare
Sierra J, Fifth Level

**Track Session – IBES/FSN Sections**

Agricultural and applied economists are continually challenged to assess the value consumers ascribe to key credence attributes attached to food. These attributes, which include safety, nutritional and locational aspects of food, draw on preferences that may be particularly difficult to assess as these preferences may be particularly sensitive to the amount, type and format of information provided and, hence, sensitive to any cognitive anomalies associated with the burgeoning field of behavioral economics. The papers in this session apply and expand existing methods of assessing consumer preferences for credence attributes of foods that may be particularly subject to behavioral anomalies, including the role of patriotism in assessing preferences for food safety, the role of retail outlet in evaluating food safety information and the role of order effects in assessing the demand for animal welfare certifications.

**Organizer:** Jessica Cao, University of Guelph

**Moderator:** Wuyang Hu, University of Kentucky

**Discussant:** Brian Roe, The Ohio State University

Are All Organic Labels Treated Equally? The Influence of Retail Outlet on Consumer Perceptions of and Willingness-to-Pay for Organic Tomatoes
Brenna Ellison, University of Illinois at Urbana-Champaign; John Bernard, University of Delaware; Michelle Paukett, University of Delaware; Ulrich Toensmeyer, University of Delaware

Chinese Demand for Pork and Implications for the US Pork Industry: Experimental Results from Mainland and Hong Kong Consumers
David Ortega, Michigan State University; Hong Holly Wang, Purdue University

Order Effects on the Prediction of Consumer Behaviors in Repeated Choice Experiments
Jessica Cao, University of Guelph

Basis Risk and Contract Design of Index Insurance in Developing Countries
Sierra K, Fifth Level

**Track Session – ARA Section**

There is considerable excitement around the potential for index insurance to extend formal yield risk management to poor farmers in developing countries. This potential remains largely unrealized, however, as low uptake for index insurance in a large number of pilot programs has called into question the ability of index insurance to meet the needs of households in low income areas. Basis risk, or the risk of unindemnified losses that insured households face, is understood to be a key factor in determining the benefits of, and thus demand for, index insurance coverage. Unfortunately, little is known about the distribution of basis risk, which metric of basis risk is most salient to consumers, or how household demand responds to it. The papers in this session use new theoretical insights and empirical evidence to examine the basis risk, providing valuable insight into the coverage provided by index products and suggest approaches for improving contract design.

**Organizer:** Nathaniel Jensen, Cornell University

**Moderator:** Michael Carter, University of California, Davis

**Discussant:** Michael Carter, University of California, Davis

Index Insurance: Innovative Financial Technology to Break the Cycle of Risk and Rural Poverty in Ecuador
Stephen Boucher, University of California, Davis; Michael Carter, University of California, Davis; Maria Jose Castillo, ESPOL

A Welfare Perspective on Monitoring Agricultural Insurance
Karlijn Morsink, University of Oxford; Daniel Clarke, World Bank; Ruth Hill, World Bank; Shadreck Mapfumo, International Finance Corporation

Basis Risk and the Welfare Gains from Index Insurance: Evidence from Northern Kenya
Nathaniel Jensen, Cornell University; Christopher Barrett, Cornell University; Andrew Mude, International Livestock Research Institute

Seasonal Forecasts, Index Insurance, Uncertainty, and Farmer Choices in Indonesia
Daniel Osgood, Columbia University; Geoffrey McCannery, Columbia University; Katya Vasilaky, Columbia University

Reducing Basic Risk in Index Insurance Contracts: A Dual-trigger Satellite Data Based Approach
Jon Einar Flatnes, University of California, Davis; Michael Carter, University of California, Davis
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