

#AAEA2015



2015 AAEA & WAEA
JOINT ANNUAL MEETING



JULY 26-28, 2015

2015 PROGRAM



AAEA
Agricultural & Applied
Economics Association



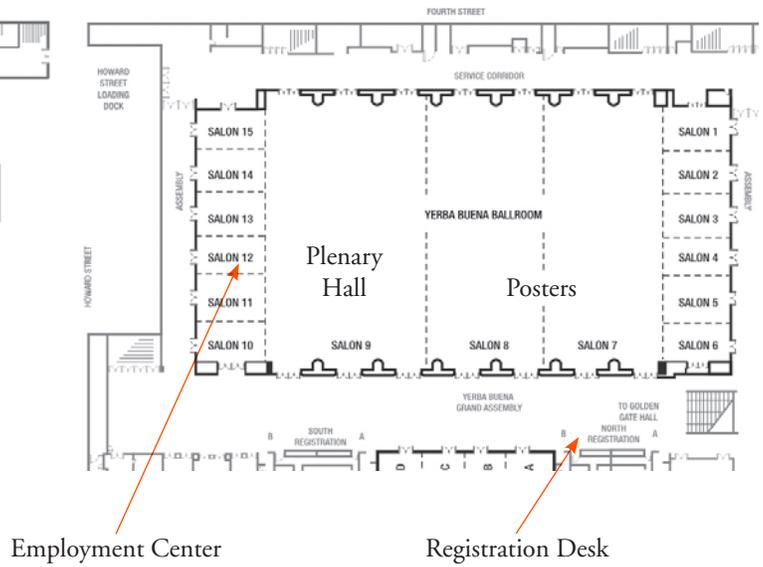
WESTERN AGRICULTURAL ECONOMICS ASSOCIATION

Marriott Marquis Floorplan

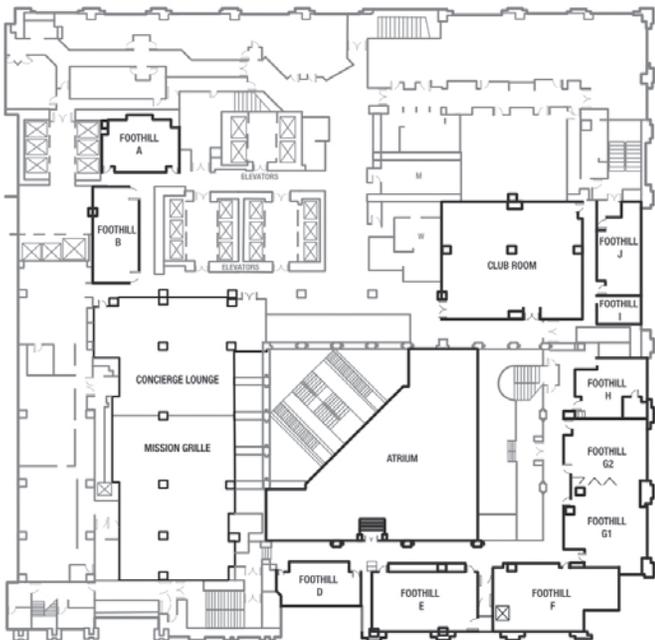
B2 LEVEL



LOWER B2 LEVEL



SECOND LEVEL



FOURTH & FIFTH LEVEL

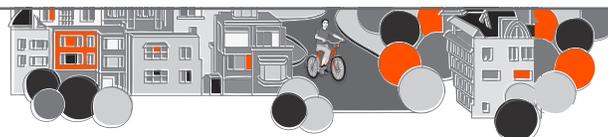
Pacific Rooms



Sierra Rooms



JULY 26-28, 2015



San Francisco

Welcome to San Francisco, CA!

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 the many 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!

WAEA PRESIDENT'S MESSAGE

Welcome to the joint meeting with AAFA 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 Key-note 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 AAFA 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 catchup 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 AAFA 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

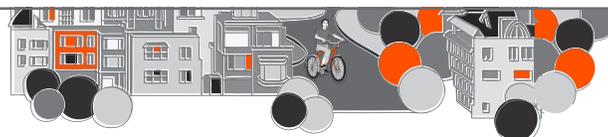


Table of Contents

Marriott Marquis Floorplans.....	Inside Cover
AAEA President’s Message.....	1
WAEA President’s Message.....	2
AAEA Leadership.....	4
WAEA Leadership.....	5
Thank You to the Selected Presentations Committee.....	5
Meeting Information.....	6
Sponsors.....	7
Exhibitors.....	8
Undergraduate Recruitment Fair.....	9
Plenary Sessions.....	10
WAEA Events.....	12
Speaker Series Events.....	14
Meeting Timeline.....	15
Reunions & Receptions.....	21
Posters.....	22
Types of Concurrent Sessions.....	35
Concurrent Sessions.....	36
Topical Index.....	121
Participant and Author Index.....	128

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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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AAEA Leadership

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Richard A. King 1980	Per Pinstrup-Andersen 2006
Luther G. Tweeten 1981	Steven T. Buccola 2007
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C.B. Baker 1985	Thomas W. Hertel 2011
William G. Tomek 1986	Robert P. King 2012
Joseoh Havlicek, Jr. 1987	Richard J. Sexton 2013
Daniel I. Padberg 1988	Julie A. Caswell 2014

AMERICAN JOURNAL OF AGRICULTURAL ECONOMICS (AJAE)

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Madhu Khanna, University of Illinois at Urbana-Champaign
JunJie Wu, Oregon State University
James Vercaemmen, University of British Columbia

Book Review Editor:

Michael Reed, University of Kentucky

CHOICES MAGAZINE

Editor:

Mary Ahearn, *Choices* Editor

APPLIED ECONOMICS PERSPECTIVES AND POLICY (AEPP)

Managing Editor:

Spiro Stefano, University of Florida

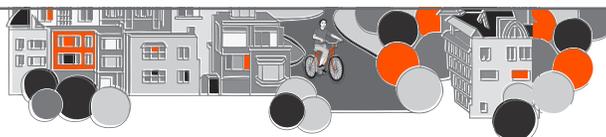
Submitted Article Editors:

Roderick Rejesus, North Carolina State University
Terrance M. Hurley, University of Minnesota

JOURNAL OF AGRICULTURAL AND RESOURCE ECONOMICS (JARE)

Editor:

Chris McIntosh, University of Idaho



WAEA Leadership

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Thank You to the Selected Presentations Committee

AAEA would like to extend a special thank you to the Selected Presentations Committee for their efforts in organizing the sessions taking place here in 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:

Joshua Woodard, Cornell University

Mindy Mallory, University of Illinois at Urbana-Champaign

Steven Vickner, Wilmington College

Joleen Hadrich, Colorado State University

Gregory Colson, University of Georgia

Collin Payne, New Mexico State University

Lisa Mancino, USDA-Economic Research Service

Brandon McFadden, University of Florida

Yuqing Zheng, University of Kentucky

Paula Cordero Salas, University of Alabama

Subhra Bhattacharjee, United Nations Development Program

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Sarah Low, USDA-Economic Research Service

Georgeanne Artz, Iowa State University

Metin Cakir, University of Minnesota

Alexander Saak, International Food and Policy Research Institute

Catherine Larochelle, Virginia Tech

Jacob Ricker-Gilbert, Purdue University

Mikael Sandberg, University of Florida

Jaime Malaga, Texas Tech University

Bo Xiong, University of California, Davis

Sergey Rabotyagov, University of Washington

Jordan Suter, Colorado State University

Kathleen Brooks, University of Nebraska-Lincoln

Juan-Pablo Sesmero, Purdue University

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Keith Evans, St. Lawrence University

Dayton Lambert, University of Tennessee

Nathan Hendricks, Kansas State University

Craig Landry, University of Georgia

Elizabeth Marshall, USDA-Economic Research Service

Fabio Mattos, University of Nebraska-Lincoln

Jaclyn Kropp, University of Florida

Rebekka Dudensing, Texas AgriLife Extension Service

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 were 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

Network Password: AAEA2015

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.

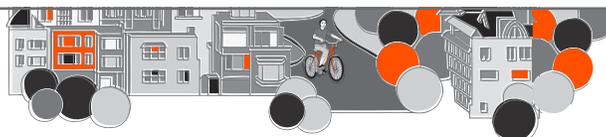
OTHER EVENTS

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 promotional materials for AAEA. If you prefer that you are not included in these photos, please notify the photographer.



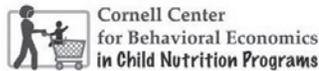
Sponsors

THANK YOU!



AAEA Trust

- AAEA Student & Early Career Professional Travel Grants
- Mentorship Workshop
- AAEA Travel Grants for Economists from Low Income/Low-Middle Income Counties
- 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)

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.



ROUTLEDGE

Routledge publishes quality academic books, journals, and online reference products in a variety of disciplines for both your research and classroom use. Our current publishing program encompasses the liveliest texts, and the best in research, with over 35,000 books in print. Visit our booth to browse new and recent titles and receive 20% off all book purchases. To see everything we offer, visit: www.routledge.com.



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Established in 1981, World Scientific Publishing Company today is one of the leading STM publishers. Publishing 500 titles a year and 120 journals, and with offices worldwide, our mission is to develop the highest quality knowledge-based products and services for the academic, scientific, professional, research, and student communities.



UNITED STATES DEPARTMENT OF AGRICULTURE NATIONAL AGRICULTURAL STATISTICS SERVICE

USDA, National Agricultural Statistic Services (NASS) disseminates data 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 data for every county in the nation. NASS reports are available at www.nass.usda.gov.



UNITED STATES DEPARTMENT OF AGRICULTURE - ECONOMIC RESEARCH SERVICE

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



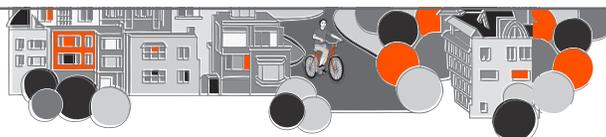
PURDUE UNIVERSITY

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

*October 5-7, 2015 · Louisville, KY
Marriott Louisville Downtown*

REGISTER NOW!

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 *Econometrica*, *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

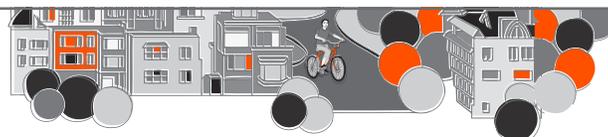
Yerba Buena Ballroom - Salon 9, Lower B2 Level



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

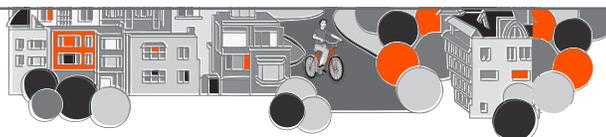


Dawn Thilmany McFadden, Colorado State University

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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.



WAEA EVENTS (continued)

2077 OS **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

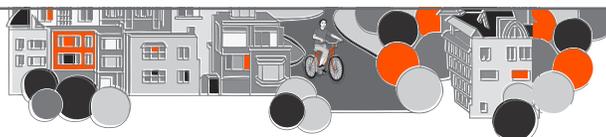
Club Room, Second Level

** 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 am–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

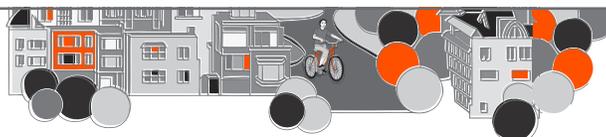
USDA Innovation Challenge 2015
Pacific H, Fourth Level (See page 45 for more information)

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

12:30 pm–1:30 pm

AFM Section Business Meeting
Sierra A, Fifth Level

12:30 pm–2:00 pm

TLC Section Business Meeting
Sierra H, Fifth Level

1:00 pm–2:30 pm

International Section Business Meeting
Sierra C, Fifth Level

1:00 pm–2:30 pm

C-FARE Board Meeting
Pacific I, Fourth Level

1:00 pm–3:00 pm

NAAEA Business Meeting
Pacific H, Fourth Level

1:15 pm–2:15 pm

Membership Committee Meeting
Sierra E, Fifth Level

1:30 pm–2:30 pm

AJAE Editorial Board Meeting
Sierra D, Fifth Level

2:00 pm–3:00 pm

ENV Section Business Meeting
Sierra A, Fifth Level

2:00 pm–3:00 pm

Econometrics Section Business Meeting
Sierra F, Fifth Level

2:30 pm–3:30 pm

Related Journal Editors' Meeting
Sierra D, Fifth Level

2:30 pm–3:30 pm

Finance Committee Meeting
Sierra C, Fifth Level

2:30 pm–4:30 pm

Latin American Section Business Meeting & Reception
Sierra H, Fifth Level

3:00 pm–4:00pm

CRENET Section Business Meeting
Sierra E, Fifth Level

3:00 pm–4:00pm

AEM Section Business Meeting
Sierra A, Fifth Level

Meeting Timeline

3:00 pm–5:00 pm

Extension Section Business Meeting
Sierra I, Fifth Level

3:00 pm–5:30 pm

Student Section Paper Competition
Pacific F, Fourth Level

3:30 pm–4:30 pm

Publications Committee Meeting
Sierra B, Fifth Level

3:30 pm–4:30 pm

Mentoring Recognition Reception
Nob Hill AB, Lower B2 Level

4:00 pm–5:00 pm

FAMPS Section Business Meeting and Reception
Sierra F, Fifth Level

4:00 pm–5:00 pm

Senior Section Business Meeting and Reception
Sierra C, Fifth Level

4:30 pm–5:30 pm

Early Career Professionals Networking Reception
Yerba Buena Ballroom – Salons 5-6, Lower B2 Level

5:00 pm–6:00 pm

Extension Section Reception
Yerba Buena Ballroom – Salon 1, Lower B2 Level

5:00 pm–6:00 pm

CWAE Section Reception
Yerba Buena Ballroom – Salon 2, Lower B2 Level

5:00 pm–6:00 pm

COSBAE Section Reception
Yerba Buena Ballroom – Salon 3, Lower B2 Level

5:00 pm–6:00 pm

AEM Section Reception
Yerba Buena Ballroom – Salon 4, Lower B2 Level

5:00 pm–6:00 pm

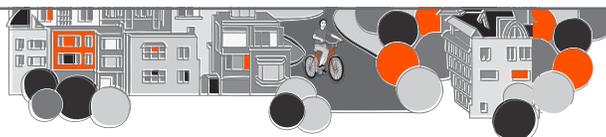
China Section Business Meeting and Reception
Nob Hill AB, Lower B2 Level

6:00 pm–7:00 pm

Keynote Address: David Dickey, North Carolina State University
Yerba Buena Ballroom – Salon 9, Lower B2 Level

7:00 pm–9:00 pm

SS-AAEA Student Mixer and Academic Bowl Orientation
Yerba Buena Ballroom – Salons 5-6, Lower B2 Level



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*)

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

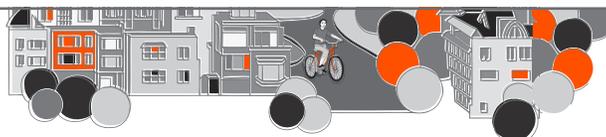
IBES Section Business Meeting
Yerba Buena Ballroom – Salon 6, Lower B2 Level

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 – Salons 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

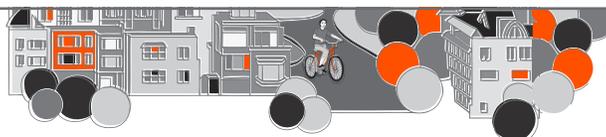
All posters will be on display during Sunday night's Poster Reception and on Monday and Tuesday. Poster presenters with odd poster numbers will present at 11:30 am–1:00 pm on Monday and posters with even numbers will present 11:15 am–12:45 pm on Tuesday.

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 Umberger**, 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 Hellwinkcel, University of Tennessee
- 4** Capital Structure in Agricultural Sole Proprietorships
Michael Friis Pedersen, University of Copenhagen
- 5** Cash Rents, Imputed Returns, and the Valuation of US Farmland: A Time-Series Analysis
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
- 7** Organic Wheat: Profitable Niche Market for Conventional Wheat Producers?
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
- 9** The Contribution of Energy Extraction Activities to Farm Household Wellbeing: An Analysis of Oil, Gas, and Wind Lease and Royalty Income in USDA's 2012 Agricultural Resource Management Survey
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

- 12** Greywater Footprint and Economic Tradeoff Analysis of Switchgrass Supply Chains: A Case Study of Tennessee
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



Posters

- 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 Verteramo 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 Lehan, 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 Von 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

Behavioral & Institutional Economics

- 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

Demand and Price Analysis

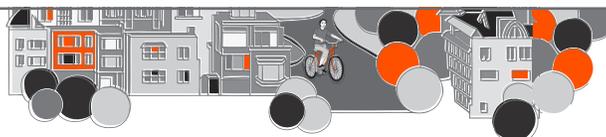
- 32** An Evaluation of Price Forecasts of the Cattle Market under Structural Changes
Selin Guney, North Carolina State University; Barry Goodwin, North Carolina State University
- 33** Causal Relationships among World Fertilizer Markets
Seon Woong Kim, Oklahoma State University; Wade Brorsen, Oklahoma 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
- 38 Elasticity of Demand for Cigarettes in the US: Evidence from Quantile Regression Analysis
Vardges Hovhannisyán, University of Minnesota; Vahe Heboyan, University of South Carolina
- 39 Forecasting Local Grain Prices: An Evaluation of Composite Models in 500 Corn Cash Markets
Xiaojie Xu, North Carolina State University; Walter Thurman, North Carolina State University
- 40 Price and Income Elasticities of Demand for Canine Wellness Visits: An Exploratory Analysis
J. Scott Shonkwiler, University of Georgia; Maureen Killenny, National Center for Food and Agricultural Policy; Stanley Johnson, National Center for Food and Agricultural Policy; Michael Dicks, American Veterinary Medical Association
- 41 Price Volatility in Food and Fuel Markets
Henry An, University of Alberta; Feng Qiu, University of Alberta; James Rude, University of Alberta
- 42 The Informational Content of Inventory Announcements: Intraday Evidence from Crude Oil Futures Market
Shiyu Ye, University of Georgia; Berna Karali, University of Georgia
- 43 Transmission of the International Price of Maize to the Mexican Regions
Jose Nuno-Ledesma, Purdue University

Environmental and Nonmarket Valuation

- 44 Do Improvements in Environmental Performance Lead to Job Loss?
Camila Stark, National Renewable Energy Laboratory; Madhu Khanna, University of Illinois at Urbana-Champaign; Xiang Bi, University of Florida
- 45 Estimating Producers' Willingness to Supply Switchgrass as a Bioenergy Crop
Mustapha Albassan, University of Nebraska-Lincoln; Richard Perrin, University of Nebraska; Lilyan Fulginiti, University of Nebraska
- 46 Financial Impact of Positive Environmental Media Release
Yanbing Wang, Purdue University; Michael Delgado, Purdue University; Neha Khanna, Binghamton University; Vicki Bogan, Cornell University
- 47 Scale Heterogeneity, Consequentiality, and Willingness-to-Pay for Public Goods: The Case of Beef Choices
Xiaogu Li, University of Tennessee; Kimberly Jensen, University of Tennessee; Christopher Clark, University of Tennessee; Dayton Lambert, University of Tennessee
- 48 The Evolution of Wilderness Demand: Investigating Price, Income, and Other Demographic Effects with a Quarter-century of Data
Thomas Holmes, USDA-Forest Service; *Jeffrey Englin*, Arizona State University
- 49 The Impact of Climate Change on Corn Production in the Southeastern US and the Adaptation Strategy
Juhyun Oh, University of Florida; Zhengfei Guan, University of Florida; Kenneth Boote, University of Florida
- 50 Using a Choice Experiment to Assess the Multiple Values of Land in Agricultural Uses in a Peri-urban Area: An Application to Edmonton, Canada
Haoluan Wang, University of Alberta; Brent Swallow, University of Alberta
- 51 Using Assurance Contract to Encourage Private Provision of Ecosystem Services: Evidence from a Pilot Field Experiment
Pengfei Liu, University of Connecticut; Stephen Swallow, University of Connecticut
- 53 Valuing the Impact of Harmful Algal Blooms on Lake Erie Beaches Using a Benefit Function Transfer: Is it Worth It?
Leah Palm-Forster, Michigan State University; Frank Lupi, Michigan State University
- 54 Water Quality Improvements in Florida: A Benefits Transfer Valuation Approach
Sergio Alvarez, Florida Department of Agriculture and Consumer Services; *Serbat Asci*, California State University, Fresno



Posters

- 55 Willingness-to-Pay and Willingness to Accept Shale Drilling: A Survey of Ohio Residents
Mitchell Livy, The Ohio State University; Allen Klaiber, The Ohio State University; Sathya Gopalakrishnan, The Ohio State University; Brian Roe, The Ohio State University

Experimental Economics

- 56 Assessing the Impact of Information and Social Norms on Energy Use of Non-Ratepayers Evidence From a Field Experiment
Christine Lasco Crago, University of Massachusetts Amherst; *Elizabeth Hunter*, University of Massachusetts Amherst; John Spraggon, University of Massachusetts Amherst
- 57 Consumer Willingness-to-pay Price Premiums for the Provision of Water-quality Environmental Services
Maik Kecinski, University of Delaware; Kent Messer, University of Delaware; Audrey Peo, University of Delaware
- 58 Peer Comparison Feedback and Financial Incentive in Inducing Healthy Behavior: Evidence from Dormitory Roommate Assignments
Bhagyashree Katare, University of Minnesota; Timothy Beatty, University of California, Davis
- 59 Policy Effectiveness in a Common Property Resource with Threshold Uncertainty and Heterogeneous Users
Alexander Maas, Colorado State University; Thomas Brown, Forest Service; Christopher Goemans, Colorado State University; Stephan Kroll, Colorado State University; Dale Manning, Colorado State University
- 60 Social Networks and their Role in Threshold Public Goods Games: An Experimental Study
Ursula Kreitmair, Indiana University; Simanti Banerjee, University of Nebraska-Lincoln; James Walker, Indiana University
- 61 Spatial Attribution in Nonpoint Source Pollution Settings
Jacob Fooks, University of Delaware; Kent Messer, University of Delaware; Jordan Suter, Colorado State University
- 62 Survey Response Rate and Potential Response Bias Induced by Selected Techniques: The Case of Michigan Greenhouse Growers Survey
Feng Wu, University of Florida; Zhengfei Guan, University of Florida
- 63 Tracking Turnips and Other Measures of Food Literacy Education: The Impact of a School-based Intervention on Children's Attitudes, Knowledge and Food Choices
Kristin Kiesel, California State University, Sacramento; Amber Stott, Food Literacy Center

Food and Agricultural Marketing

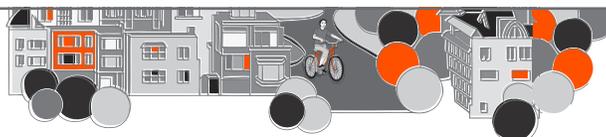
- 64 Adapting Community Supported Agriculture to Modern Markets – Where is it Working?
Timothy Woods, University of Kentucky; Debra Tropp, USDA-Agricultural Marketing Service
- 65 Commodity Effects of Food Away From Home
James Binkley, Purdue University; *Yuhang Liu*, Purdue University
- 66 Do Firms Leverage the FDA Nutrient Label Rounding Rules?
Melissa Wright, Washington State University; Timothy Beatty, University of California, Davis; Hayley Chouinard, Washington State University
- 67 Economically Optimal Timing of Insect Control in Food Processing Facilities: An Options Approach
Suling Duan, Oklahoma State University; *Brian Adam*, Oklahoma State University; Wade Borsen, Oklahoma State University
- 68 Effects of Typical Assumptions on the Measurement of the Upstream Transmission of Checkoff Program Benefits
Sang Hyeon Lee, Korea Rural Economic Institute; Gary Williams, Texas A&M University
- 69 Estimating Market Power of Agricultural and Food Industries: An Issue of Data Aggregation
Jung Min Lee, Oklahoma State University; Chanjin Chung, Oklahoma State University
- 70 Evaluating the Marketing Impact of a Regional Branding Program Using Contingent Valuation Methods: The Case of the Appalachian Grown™ Branding Program
Carlos Carpio, Texas Tech University; Leah Mathews, University of North Carolina - Asheville; Tullaya Boonsaeng, Texas Tech University; Allison Perrett, Appalachian Sustainable Agriculture Project; Katie Descieux, Appalachian Sustainable Agriculture Project

Posters

- 71** Food Waste: The Role of Date Labels, Package Size, and Product Category
Norbert Wilson, Auburn University; Bradley Rickard, Cornell University; Shuay-Tsyr Ho, Cornell University; Rachel Saputo, Cornell University
- 72** Hunters' Perspectives on Animal Welfare and Meat Demand: An Application of Maximum Difference and Choice Experiment Methods
Elizabeth Byrd, Purdue University; Nicole Widmar, Purdue University; John Lee, Purdue University; Ben Gramig, Purdue University; Michael Wilcox, Jr., Purdue University; Joan Fulton, Purdue University
- 73** Market Integration and Price Leadership in the Low Quality Rice Export Market
Chotima Pornsawang, North Carolina State University; **Roderick Rejesus**, North Carolina State University; Samarendu Mohanty, International Rice Research Institute
- 74** Mechanisms of Patent Licensing for Varietal Innovation
Pratikshya Sapkota Bastola, Washington State University; Karina Gallardo, Washington State University; Jill McCluskey, Washington State University; Bradley Rickard, Cornell University
- 75** Potential Economic Impacts of a Highly Pathogenic Avian Influenza Outbreak on Upper Midwestern United States Table-Egg Laying Operations
Jada Thompson, Colorado State University; Dustin Pendell, Colorado State University; Todd Weaver, USDA-Animal and Plant Health Inspection Service; Sasidhar Malladi, USDA-Animal and Plant Health Inspection Service; Kelly Patyk, USDA-Animal and Plant Health Inspection Service; Kamina Johnson, USDA-Animal and Plant Health Inspection Service
- 76** Supply Shocks, Futures Prices, and Trader Positions
Joseph Janzen, Montana State University; Nicolas Merener, Universidad Torcuato di Tella
- 77** Value Elicitation for Multiple Quantities of New Differentiated Products Using Non-hypothetical Open-ended Choice Experiments
Maurizio Canavari, University of Bologna; **Rungsaran Wongprawmas**, University of Bologna; Gioacchino Pappalardo, University of Catania; Biagio Pecorino, University of Catania
- 78** What's a Cup Worth?: A Hedonic Analysis of US Retail Coffees Prices
John Hoehn, Michigan State University
- 79** Willingness to Pay for Eco-labeled Fresh Strawberry: Are All Environmentally Friendly Techniques Equal?
Xuqi Chen, University of Florida; Zhifeng Gao, University of Florida; Marilyn Swisher, University of Florida; Lisa House, University of Florida

Food and Agricultural Policy Analysis

- 80** Agricultural Land Value in Poland: Are Farm Subsidies Driving Price Increases?
Gwen Busby, GreenWood Resources; Clark Binkley, GreenWood Resources
- 81** Alternative Control Strategies with Uncertain Trade Barriers for Foot-and-Mouth Disease in Feedlot Operations
Amy Hagerman, USDA-Animal and Plant Health Inspection Service; Amy Delgado, USDA-Animal and Plant Health Inspection Service; Melissa Schoenbaum, USDA-Animal and Plant Health Inspection Service
- 82** Alternative Nutrient Management Policies and the Trade-offs between Agricultural Profits and Water Quality Improvements
Wendong Zhang, The Ohio State University; Elena Irwin, The Ohio State University
- 83** An Empirical Application of a Differential Output Allocation Model for Major US Crops
Manhong Zbu, University of Florida; Gulcan Onel, University of Florida; James Seale, Jr., University of Florida
- 84** Calorie Labeling in Chain Restaurants and Body Weight: Evidence from New York
Brandon Restrepo, US Food and Drug Administration
- 85** Climate Change in the Andes: Predictions, Perceptions and Adaptation by Rice Farmers
Pilar Useche, University of Florida; **Boaz Anglade**, University of Florida
- 86** Commodity Support Payments and Climatic Variability
Anh Nam Tran, University of Missouri; Joseph Cooper, USDA-Economic Research Service



Posters

- 87** Controlling an Imported Disease in California Lettuce: A Dynamic Structural Econometric Model of Short- vs. Long-Term Decision-Making
Christine Carroll, University of California, Davis; Colin Andre Carter, University of California, Davis; C.-Y. Cynthia Lin, University of California, Davis
- 88** Difficulties in Determining the Future of China's Commodity Trade: Policy Issues and Grain Productions
James Hansen, USDA-Economic Research Service; Fred Gale, USDA-Economic Research Service
- 89** Does Farm-County Dependence Explain County Program Payments?: Analysis of Illinois and Kansas Farm-Level Data Based on Student's t-Copula Method
Sanghyo Kim, The Ohio State University; **Carl Zulauf**, The Ohio State University; **Jinsoon Lim**, The Ohio State University
- 90** Effect of Trans Fatty Acids Labeling Rule in the US: Evidence from the US Margarine/Butter Market
Emily Wang, University of Massachusetts; **Hongli Wei**, University of Massachusetts Amherst; Julie Caswell, University of Massachusetts Amherst
- 91** Estimates of the Incidence of Agricultural Subsidies Using Soil - Climatic Regimes
Nathan Hendricks, Kansas State University; **Krishna Pokharel**, Kansas State University
- 92** Food Desert and Childhood Obesity: Quasi-Experimental Evidence from Supermarket Openings and Closures in Arkansas, United States
Di Zeng, University of Arkansas; Michael Thomsen, University of Arkansas; Rodolfo Nayga, University of Arkansas; Heather Rouse, University of Arkansas
- 93** Global Changes in Harvested Area in Corn, Sugarcane and Oilseeds: The Econometric Estimation of the Role of Biofuel Production, Foreign Direct Investment, Income and Population Growth
Luis Pena-Levano, Purdue University; Michele Rasetti, Università Politecnica delle Marche; Xin Zhao, Purdue University; Jeff Opgrand, Purdue University; Mario Renteria Pinon, University of Washington; Grace Rocio Melo, University of Georgia
- 94** How Much Should We Compensate Farmers in Global South to Mitigate Climate Change while Meeting Increasing Food Demand?
Subyun Jung, University of Minnesota
- 95** Impacts of Crop Insurance on US Corn and Soybeans Harvested Acreages
Anh Nam Tran, University of Missouri; Mesbah Motamed, USDA-Economic Research Service
- 96** Institutional Environment: Property Tax Assessment Policy and Farm Property Tax Liability
Matthew Elliott, South Dakota State University; Larry Janssen, South Dakota State University; Lisa Elliott, South Dakota State University
- 97** Noisy Information Signals and Endogenous Preferences for Labeled Attributes
Jura Liaukonyte, Cornell University; Nadia Streletskaya, Cornell University; Harry Kaiser, Cornell University
- 98** One Decade After The Dairy Compact: The Response of Retail Fluid Milk Prices in New England
Jill Ann Fitzsimmons, University of Massachusetts; Luca Cacchiarelli, University of Tuscia; Eric Hoyt, University of Massachusetts Amherst
- 99** Optimal Allocation of Agricultural Water Use in the Southeastern US Using Hydro-Economic Modeling
Lixia He, University of Tennessee; Dayton Lambert, University of Tennessee; Christopher Boyer, University of Tennessee; Christopher Clark, University of Tennessee; Burton English, University of Tennessee; Jamey Menard, University of Tennessee; Thanos Papanicolaou, University of Tennessee
- 100** Pigs on the Levee: [Gun]smoke on the Water
Jason Holderieath, Colorado State University; Chris Sloomaker, USDA-Animal and Plant Health Inspection Service WS NWRC; Aaron Anderson, USDA-Animal and Plant Health Inspection Service; Stephanie Shwiff, USDA-Animal and Plant Health Inspection Service
- 101** Step One to Understanding the Vote-buy Gap: A Look at County Level Outcomes in Recent Ballot Initiatives
Melissa McKendree, Kansas State University; Glynn Tonsor, Kansas State University; Jayson Lusk, Oklahoma State University; Franklin Norwood, Oklahoma State University; Kathleen Brooks, University of Nebraska-Lincoln
- 102** The CRP Choice
Justin Benavidez, Texas A&M University; James Richardson, Texas A&M University

Posters

- 103** The Impact of Agricultural Subsidies on the Corn Market with Farm Heterogeneity and Endogenous Entry and Exit
Stephen Devadoss, University of Idaho; **Mark Gibson**, Washington State University; Jeff Luckstead, University of Arkansas
- 104** The Mirage of Food Deserts: Disparities between Stated and Revealed Results
Haoluan Wang, University of Alberta; Feng Qiu, University of Alberta; Brent Swallow, University of Alberta

Food Safety and Nutrition

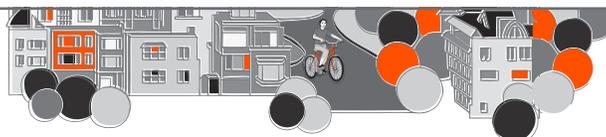
- 105** Assessing Health and Nutritional Consequences of Drinking Water Quality: Evidence from Rural Ethiopia
Evita Hanie Pangaribowo, University of Bonn; **Muhammed Usman**, University of Bonn
- 106** Comparing Forecasting Ability of Demand Systems Using Different Data Sources: the Case of US Meat Demand with Food Safety Recalls
Xia Shang, Kansas State University; Glynn Tonsor, Kansas State University
- 107** Delegation of Monitoring, Transparency, and Reputation
Alexander Saak, International Food Policy Research Institute
- 108** Demand for a Transgenic Good with Nutritional, Medical, and Environmental Qualities
Yoko Saito, Hokkaido University; Hideo Aizaki, Hokkaido University; Hisamitsu Saito, Hokkaido University; Yasutaka Yamamoto, Hokkaido University; Takumi Kondo, Hokkaido University
- 109** Evaluating Spillover Effects of Red Meat and Poultry Recalls across Firms
Veronica Pozo, Utah State University; Ted Schroeder, Kansas State University
- 110** How a Race to the Bottom Can Lead to Obesity
Benjamin Cowan, Washington State University; **Gregmar Galinato**, Washington State University; You Zhou, Washington State University
- 111** Local Economic Conditions and Supplemental Nutrition Assistance Program (SNAP) Participation: A Spatial Panel Analysis
Erik Scherpf, USDA-Economic Research Service; Katie Fitzpatrick, Seattle University; Laura Tiehen, USDA-Economic Research Service

Household and Labor Economics

- 112** Analysis of the Structural Changes in Vietnamese Households' Food Demand: 2010 to 2030
Hoa Hoang, University of Missouri; William Meyers, University of Missouri
- 113** Determinants of Entrepreneurial Intention
Alison Davis, University of Kentucky; Shaheer Burney, University of Kentucky
- 114** Employer-provided Health Insurance Benefit and the Employment Decisions of Documented and Undocumented Farm Workers
Tianyuan Luo, University of Georgia; Cesar Escalante, University of Georgia
- 115** Household Behavior and Livestock Diseases: The Case of Foot-and-Mouth Disease in Tanzania
Umesh Bastola, Washington State University; Thomas Marsh, Washington State University
- 116** Peer Effects in Middle School Students' Test Scores with Accounting for Individual Heterogeneity
Jeffrey Jordan, University of Georgia; **Abdul Munasib**, University of Georgia
- 117** Regional Fresh Fruit and Vegetable Price Indices using Supermarket Scanner Data
Timothy Beatty, University of California, Davis; Samantha Snyder, University of Minnesota

Industrial Org./Supply Chain Management

- 118** Competitive Package Size Decisions
Koichi Yonezawa, Technische Universität München; Timothy Richards, Arizona State University
- 119** Entry of Vendors, Cost Containment, and Participant Access in the Women, Infants and Children Program
Patrick McLaughlin, University of California, Davis; Tina Saitone, University of California, Davis; Richard Sexton, University of California, Davis



Posters

- 120** Firm Performance and Market Structure in the US Food Retailing
Vardges Hovhannisyan, University of Minnesota; Marin Bozic, University of Minnesota
- 121** Persistent Firm Profitability in the US and EU Food Processing Industry
Stefan Hirsch, University of Bonn
- 122** Why Do Manufacturers of Leading National Brands Produce Private Labels for Food Retailers?
Tian Xia, Kansas State University; Xianghong Li, Kansas State University

International Development

- 123** Can Land and Food Entitlement Reduce Conflict: Evidence from Violence Prone Eastern DR Congo
Naureen Fatema, McGill University; *Shabriar Kibriya*, Conflict and Development Center
- 124** Assessing the Impact of Manufacturer Power on Private Brand Success in an Equilibrium Framework
Simba Pasirayi, Arizona State University
- 125** Child Malnutrition in Malawi: Does the Farm Input Subsidy Program Play a Role?
Francis Darko, Purdue University
- 126** Does She Have a Say? The Impact of Livestock Donation and Associated Training on Women's Empowerment in Nepal
Kashi Kafle, University of Illinois at Urbana-Champaign
- 127** Does Time Allocation Really Matter for the Women's Empowerment in Agriculture? An Evaluation of the Women's Empowerment in Agriculture Index WEAI
Sandra Contreras, Kansas State University; Yacob Zereyesus, Kansas State University
- 128** Effect of School Nutritional Campaigns on Biofortified Sweet Potato Adoption and Food Security among Smallholder Farm Households in Ethiopia
Norman Kwikiriza, International Potato Center; Julius Okello, International Potato Center; Wellington Jogo, International Potato Center; *Kennedy Pambo*, University of Nairobi
- 129** Explaining Cropping Systems under Extreme Uncertainty: Evidence from Conflict Prone North Kivu, DR Congo
Naureen Fatema, McGill University; *Shabriar Kibriya*, Conflict and Development Center
- 130** ICTs for Agriculture: Exploring the Impact of a Text-message Based Intervention on Adoption of Blackberry ICM in Ecuador
Vanessa Carrion, Virginia Tech; Jeffrey Alwang, Virginia Tech; George Norton, Virginia Tech; Victor Barrera, Instituto Nacional Autonomo de Investigaciones Agropecuarias
- 131** On the Possibility of Maize Green Revolution in Highlands of Kenya: An Assessment of Emerging Intensive Farming Systems
Rie Muraoka, Michigan State University; Tomoya Matsumoto, National Graduate Institute for Policy Studies; Songqing Jin, Michigan State University; Keijiro Otsuka, National Graduate Institute for Policy Studies
- 132** Potential Spillover Effects of Farmer Field Schools in Sub-Saharan Africa: The Case of Cocoa
Francis Tsiboe, University of Arkansas; Jeff Luckstead, University of Arkansas; Lawton Lanier Nalley, University of Arkansas; Bruce Dixon, University of Arkansas; Jennie Popp, University of Arkansas
- 133** Primary School Attendance and the Perceived Value of Education: Evidence from Tanzania
Christopher Gustafson, University of Nebraska-Lincoln
- 134** Promoting Peru's Smallholder Farmers' Access to Profitable Markets: The Effects of Farmers' Associations and Social Networks
Vania Salas Garcia, Instituto del Perú; Qin Fan, California State University, Fresno
- 135** Sorghum Research and Poverty Reduction under Trade Distortions in Ethiopia
Weldensie Embaye, Kansas State University; Nina Lilja, Kansas State University; Hendricks Nathan, Kansas State University
- 136** South Africa Poultry Production and Trade: A Look at Alternative Domestic and Trade Policies
Nancy Cochrane, USDA-Economic Research Service; James Hansen, USDA-Economic Research Service; Ralph Seeley, USDA-Economic Research Service
- 137** Structural Determinants of Adoption of Artificial Insemination among Livestock Farmers in Pakistan
Muhammad Imran Chaudhry, The Ohio State University; Mario Miranda, The Ohio State University

Posters

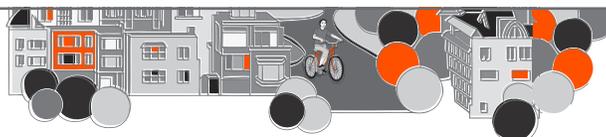
- 138** The Effects of Kenya's 'Smarter' Input Subsidy Program on Smallholder Behavior and Economic Well-being: Do Different Quasi-experimental Approaches Lead to the Same Conclusions?
Nicole Mason, Michigan State University; Ayala Winemsn, Michigan State University; Lilian Kirimi, Tegemeo Institute; David Mather, Michigan State University
- 139** The Role of Foreign Aid and Foreign Direct Investment in Reducing Poverty
El Koudouss EL Mechry, Fordham University; *Evert Van Der Sluis*, South Dakota State University

International Trade

- 140** A Partial Equilibrium of the Grain Sorghum Markets in US, Mexico, and Japan
Kazuyoshi Ishida, Texas Tech University
- 141** Agricultural Commodity Prices and Exchange Rates under Structural Change
Patrick Hatzenbuehler, Purdue University; Philip Abbott, Purdue University; Kenneth Foster, Purdue University
- 142** An Empirical Investigation of the Relationship between the Quality of Food and the Direction of Trade
Sandro Steinbach, ETH Zurich
- 143** Assessing the Impact of Competition from Mexico on the US Strawberry Industry
Dong Hee Suh, University of Florida; Zhengfei Guan, University of Florida; Hayk Khachatryan, University of Florida
- 144** Changes in Technology Use in the Beef Industry: Welfare Analysis and Trade Implications
Lia Nogueira-Rodriguez, University of Nebraska-Lincoln; *Kathleen Brooks*, University of Nebraska-Lincoln; David Bullock, University of Illinois at Urbana-Champaign
- 145** Estimating the Trade Duration of Kazakhstan's Wheat Exports
Nizami Imamverdiyev, IAMO - Agricultural Markets, Marketing and World Agricultural Trade; *Sven Anders*, University of Alberta
- 146** Effects of Lower Energy Prices on Brazilian Agriculture and Associated Land Use
Constanza Valdes, USDA-Economic Research Service; Kim Hjort, Economic Analysis Systems; Ralph Seeley, USDA-Economic Research Service; *Andrew Muhammad*, USDA-Economic Research Service
- 147** Impacts of the Food Safety Regulations on Trade Flows: An Application to the Hazelnut and Almonds Industries
Muhammet Sisman, Auburn University
- 148** Terms of Trade Volatility and Persistence to Shocks in the United States
Mahdi Asgari, University of Kentucky; Michael Reed, University of Kentucky
- 149** The Analysis of the Inter-Regional Trade and Investment Flows: The Aggregated Net Trade Level in the Spanish Provinces
Luis Pena-Levano, Purdue University; Francisco Scott, Purdue University; Steffen Becker, Ruhr Universität Bochum; *Adenola Osinubi*, The University of Georgia; Francisco Scott, Purdue University; Matthew Rachal, Purdue University; William Pena-Levano, Universidad Inca Garcilaso de la Vega; Priscilla Pena-Levano, Universidad Mayor de San Marcos; Jorge Diaz, Universidad Rey Juan Carlos
- 151** Trade Costs of Pests and Pathogens: the Case of Foot-and-Mouth Disease
Umesh Bastola, Washington State University; Thomas Marsh, Washington State University

Natural Resource Economics

- 152** A Socio Economic Assessment of Yield Increasing GM Wheat in Germany
Philipp Wree, Technische Universität München; Johannes Sauer, Technical University Munich
- 153** A Spatial Bioeconomic Model of Invasive Insect Diffusion and Control: The Case of Spotted Wing Drosophila in the United States
Xiaoli Fan, Cornell University; Shady Atallah, Purdue University; Miguel Gomez, Cornell University
- 154** An Economic Approach to Measuring the Impacts of Higher Temperatures on Wildfire Size in the Western United States
Dallas Wood, North Carolina State University
- 156** Economic and Environmental Impacts of Expanding Irrigation in the Southeast
Jeffrey Mullen, University of Georgia; Aaron Bose, Sun Trust Bank; Nicholas Magnan, University of Georgia



Posters

- 157** Economics of Precision Conservation: The Case of Dairy Manure Management In Ohio
Edward Osei, Tarleton State University; Huijun Li, Ranger College
- 158** Effects of Groundwater Management on Groundwater Use and Production Efficiency in North China
Qiuqiong Huang, University of Arkansas
- 159** Embedding an Individual-based Model of Wildlife Disturbance in an Agent-based Model of Outdoor Recreation
Shady Atallah, Purdue University; Alexander Cohen, Purdue University; Patrick Zollner, Purdue University
- 160** How Well is the Relationship Between Poaching and Education Understood?
Biswo Poudel, Kathmandu University; *Krishna Paudel*, Louisiana State University
- 161** Impact of On-farm Water Conservation Practices on Groundwater Use in Arkansas
Ying Xu, University of Arkansas; *Qiuqiong Huang*, University of Arkansas
- 162** Infant Mortality: Climate Factors Surrounding Death
Peter Han, University of Wisconsin; Jeremy Foltz, University of Wisconsin
- 163** New Theoretical Framework for Analysis of the Effect of Crop Insurance on Fertilizer Use: Two-Period Discrete Model
Iuliia Protopop, University of Nebraska-Lincoln; Karina Schoengold, University of Nebraska-Lincoln; Cory Walters, University of Nebraska-Lincoln
- 164** Occurrence vs. Severity: Optimal Forest Management and Rotation Length in the Presence of Fire Risk in Florida
Kelly Grogan, University of Florida
- 165** The Effect of the Unconventional Energy Boom on Schooling Decisions in the US
Na Zuo, University of Kentucky; Jack Schieffer, University of Kentucky
- 166** Water-efficient Irrigation Technology Adoption in Punjab
Juan Pablo Sesmero, Purdue University; Sheng Homan, Purdue University; Molly Van Dopp, Purdue University; Taisha Venort, Purdue University

Production Economics

- 168** Developing Decision Criteria for Soil Salinity Management Options on Cropland: A Case Study in Southeast North Dakota
Nazea Khan Chowdhury, North Dakota State University; David Roberts, North Dakota State University; David Clay, South Dakota State University; Thomas DeSutter, North Dakota State University
- 169** Economic and Financial Determinants of Firm Bankruptcy: Evidence from the French Food Industry
Lilia Aleksanyan, Paris School of Economics
- 170** Economic Forces Affecting Louisiana Agriculture Production through Space and Time
John Westra, Louisiana State University; Hiuzhen Niu, Louisiana State University; *James Fannin*, Louisiana State University
- 171** Economic Impact of Reducing Bovine Respiratory Disease in United States Beef Cattle Feedlots
Kamina Johnson, USDA-Animal and Plant Health Inspection Service; Dustin Pendell, Colorado State University
- 172** Effects of Joint Primal-dual Estimation and Concavity Restrictions on Parameter Estimates of US Agricultural Production
Alejandro Plastina, Iowa State University; Sergio Lence, Iowa State University
- 173** Endogenizing Sustainability in US Corn Production: A Cost Function Analysis
Fengxia Dong, University of Wisconsin; *Paul Mitchell*, University of Wisconsin
- 174** Evaluating Cost of Production of Maine Dairy Farms Using an On-Site Interview
Dylan Bouchard, University of Maine; Xuan Chen, University of Maine; Gary Anderson, University of Maine; Richard Kersbergen, University of Maine; George Criner, University of Maine
- 175** Is Irrigated Farm is More Efficient than Non-irrigated Non-tillage Farm and Non-irrigated Conventional Farm for a Sample of Kansas Corn Farmer?
Rulianda Wibowo, Kansas State University; Allen Featherstone, Kansas State University
- 176** Nevada Ranchers Attitudes Toward the Trichomoniasis Vaccine
Florina Salaghe, University of Nevada, Reno; Thomas Harris, University of Nevada, Reno

Posters

- 177** Non-Neutral Marginal Research Costs and Induced Innovation Hypothesis
Daegoon Lee, Washington State University; Benjamin Cowan, Washington State University; C. Richard Shumway, Washington State University
- 178** Producer Willingness to Adopt GM Rice: A Multi-Country Assessment
Alvaro Durand-Morat, University of Arkansas; Eric Wailes, University of Arkansas; Mohammad Alam, Bangladesh Agricultural University; Francis Mwaijande, Mzumbe University; Francis Tsiboe, University of Arkansas
- 179** Technical Efficiency and Adoption of Conservation Practices in Iowa Soybean Production
Alejandro Plastina, Iowa State University; *Fangge Liu*, Iowa State University
- 180** The Information Value of Decadal Climate Variability and Adaptation: A Case in the Missouri River Basin
Pei Huang, Texas A&M University; Bruce McCarl, Texas A&M University

Productivity Analysis and Emerging Technologies

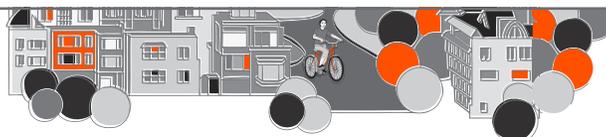
- 181** Estimating the Role of Technology in Converting to Organic Dairy Production
Tristan Skolrud, Washington State University
- 182** Potential Welfare Effects of Soy-Based Mariculture Feed
Subir Bairagi, University of Nebraska-Lincoln; Richard Perrin, University of Nebraska-Lincoln; Lilyan Fulginiti, University of Nebraska-Lincoln
- 183** Rootworm Resistance in US Corn Fields: A Structural Model of Insect Control Decisions
Seth Wechsler, USDA-Economic Research Service
- 184** Testing for Complementarity: Glyphosate Tolerant Soybeans and Conservation Tillage
Edward Perry, Iowa State University; GianCarlo Moschini, Iowa State University; David Hennessy, Iowa State University

Research Methods/Econometrics/Stats

- 185** Developing Forecasting Model of Vegetable Demand based on a Big Data Processing
Do-il Yoo, Chungbuk National University
- 186** Evaluation of an Alternative Attribute Non-attendance Elicitation Format
Yuan Yuan, Virginia Tech; Wen You, Virginia Tech; Kevin Boyle, Virginia Tech; Christopher Parmeter, University of Miami
- 187** Improving a Measure of Women's Empowerment: Cognitively Pretesting the WEAI in Uganda and Bangladesh
Chiara Kovarik, International Food Policy Research Institute; Kathryn Sproule, International Food Policy Research Institute; Hazel Malapit, International Food Policy Research Institute
- 188** Is Money Neutral for Agriculture?
Jeffrey Dorfman, University of Georgia
- 189** Is Price Volatility of Mexican Agricultural Products Increasing? An Application of an ARCH with Trend Model
Santiago Guerrero, Banco de Mexico; *Miriam Juarez-Torres*, Banco de Mexico
- 190** The Role of Data Frequency in Stationarity Testing
Xuedong Wu, University of Georgia; Jeffrey Dorfman, University of Georgia; Berna Karali, University of Georgia

Resource and Environmental Policy Analysis

- 191** A Hedonic Analysis of the US Frozen Seafood Market
Steven Vickner, Wilmington College
- 192** A Techno-Economic Analysis of the Corn Stover to Aviation Biofuels Pathway
Amanda Bittner, Purdue University; Wallace Tyner, Purdue University; *Xin Zhao*, Purdue University
- 193** An Empirical Structural Model of Productivity and the CRP Land Use Decision
Heesun Jang, University of Wisconsin; Xiaodong Du, University of Wisconsin; Xiaodong Du, University of Wisconsin
- 194** Conservation Program Contract Modification: Evidence from USDA's Environmental Quality Incentives Program
Steven Wallander, USDA-Economic Research Service; Alexandra Hill, University of California, Davis; Roger Claassen, USDA-Economic Research Service



Posters

- 195** Disruptive Policy Impacts on Biodiesel Investment: The Third Leg in 3-T Policy
Shen Liu, University of Georgia; Gregory Colson, University of Georgia; Michael Wetzstein, Purdue University
- 196** Energy Price Uncertainty and Global Land Use
Alla Golub, Purdue University; Yongyang Cai, Hoover Institution, Stanford University; Thomas Hertel, Purdue University; Jevgenijs Steinbuks, World Bank
- 197** Estimating the Ecological and Economic Impact of Urban Stormwater Runoff
Kelly Miller, University of Massachusetts Amherst
- 198** Land Sharing Versus Land Sparing to Protect Water from Pesticide Pollution?
Elsa Martin, CESAER, INRA-AgroSup Dijon; Sophie Legras, CESAER, INRA-AgroSup Dijon; Virginie Piguet, CESAER, INRA-AgroSup Dijon
- 199** Policy Tools for Managing Biological Pollution Risks from Trade
Carson Reeling, Michigan State University; Richard Horan, Michigan State University
- 200** Regional Irrigation Management with Conjunctive Surface and Groundwater Use
Kent Kovacs, University of Arkansas
- 201** Short- and Long-Run Analysis of Factors Affecting Electricity Consumption in Sub-Saharan Africa
Nyakundi Michieka, California State University, Bakersfield
- 202** Subsidies in Conflict and the “War of Attrition:” Does Ethanol Plant Location Cause Early Exits in the Conservation Reserve Program?
Thomas Krumel, Jr., University of Minnesota; Steven Wallander, USDA-Economic Research Service
- 203** Subsidizing Carbon Sequestration via Forestry in Maryland: A Benefit-Cost Assessment
Rachel Hettich, Purdue University; *Philip Abbott*, Purdue University
- 204** Testing the Effect of New Neighboring Open Space on Development
Charles Towe, University of Connecticut
- 205** The Economic Performance and the Potential for Self Governance in the Fishery
Sergio Colin-Castillo, Centro de Estudios Socio Economicos (CISE); Richard Woodward, Texas A&M University
- 206** The Potential Role for Nitrogen Compliance in Mitigating Gulf Hypoxia
Marc Ribaud, USDA-Economic Research Service; Nigel Key, USDA-Economic Research Service; Stacy Sneeringer, USDA-Economic Research Service
- 207** The Welfare Effects of Opening to Foreign Direct Investment in Polluting Sectors
Gregmar Galinato, Washington State University; *Xin Zhao*, Washington State University
- 208** VMT Taxes: The Impacts of Switching from a Volumetric Fuel Tax to a Mileage Tax
Eric O’Rear, Purdue University; Kemal Sarica, Purdue University; *Wallace Tyner*, Purdue University
- 209** Welfare Implications of the Renewable Fuel Standard with a Revenue Neutral Carbon Tax
Tristan Skolrud, Washington State University; Gregmar Galinato, Washington State University

Risk and Uncertainty

- 210** Do Continuing Education Courses Change Grower Behavior? Powdery Mildew and California Grape Growers
Olena Sambucci, University of California, Davis; Travis Lybbert, University of California, Davis
- 211** Estimation of Yield Densities: A Bayesian Nonparametric Perspective
Francis Annan, Columbia University; *Yang Wang*, North Carolina State University
- 212** Investment Decisions in Small Ethanol Plant under Risk and Uncertainty
Kassu Wamisho, North Dakota State University; David Ripplinger, North Dakota State University
- 213** Labor Responses to Rainfall Variability in Rural Ethiopia: A Model of Migration, Off-farm Activities and Remittance
Jianfeng Gao, Virginia Tech; Bradford Mills, Virginia Tech
- 214** Learning about a Moving Target in Resource Management: Optimal Bayesian Disease Control
Matthew MacLachlan, University of California, Davis; Michael Springborn, University of California, Davis; Paul Fackler, North Carolina State University

Posters

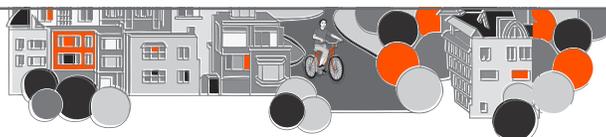
- 215** Mitigation Index Insurance for Developing Countries: Insure the Loss or Insure the Signal?
Yiting Li, The Ohio State University; Mario Miranda, The Ohio State University
- 216** Risk Premium Under Price and Yield Uncertainty
Sankalp Sharma, University of Nebraska-Lincoln; Karina Schoengold, University of Nebraska-Lincoln
- 217** The Effects of Extreme Climatic Events on Dairy Farmers' Risk Preferences
Stephane Couture, INRA; *Christophe Bontemps*, Toulouse School of Economics -INRA
- 218** The Ground-Level Ozone-Related Social Welfare Impact of Climate Change in the US
Jin Huang, Abt Associates Inc.; Anna Belova, Abt Associates Inc.; Jonathan Dorn, Abt Associates Inc.; Frank Divita, Abt Associates Inc.

Rural/Community Development

- 219** Does Social Capital Explain Small Business Resilience After a Natural Disaster?
Ariana Torres, Purdue University; Maria Marshall, Purdue University
- 220** Estimating Agriculture's Contribution to the Arkansas Economy over Time
Leah English, University of Arkansas; Jennie Popp, University of Arkansas; Wayne Miller, University of Arkansas
- 221** Highway Infrastructure Investment and Induced Vehicle Emissions
You Zhou, Washington State University
- 222** Individual and Contextual Factors Explaining Latino Entrepreneurship in Rural Communities of the Midwest
Andrick Payen Diaz De La Vega, University of Missouri; Corinne Valdivia, University of Missouri; Lisa Flores, University of Missouri
- 223** Measuring Vulnerability to Poverty Allowing for Agricultural and Non-Agricultural Risks: Evidence from Tanzanian Household Data
Ryosuke Inoue, The University of Tokyo; *Toru Nakajima*, The University of Tokyo; Taro Takahashi, The University of Tokyo
- 224** Response to Economic Shock: Impacts of Rurality and the Great Recession on Suicide Rates in the United States
Danielle Carriere, Purdue University
- 225** The Role of US Certifiers in Organic Hotspot Formation
Ioana Marasteanu, Food and Drug Administration; Edward Jaenicke, The Pennsylvania State University
- 226** University Research Productivity and its Impact on the Regional Agricultural Economy: The Case of Colorado State University and the Colorado Economy
Yoo Hwan Lee, Colorado State University; Gregory Graff, Colorado State University

Teaching, Communication, and Extension

- 227** Knowledge and Adoption of Best Management Practices to Address Water Quality Issues
Michael Black, University of Arkansas; Jennie Popp, University of Arkansas; Andrew Sharpley, University of Arkansas; Mike Daniels, University of Arkansas



Types of Concurrent Sessions

INVITED PAPER SESSIONS IP

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 IPC

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

ORGANIZED SYMPOSIA OS

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

SELECTED PRESENTATION LIGHTNING SESSION ⚡

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

SELECTED PRESENTATIONS SP

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 TS

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).

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

1001 **IP** 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

1002 **OS** Measurement of US Agricultural Productivity: What Follows the External Review?

Salon 2, Lower B2 Level

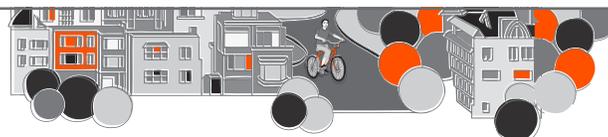
Organized Symposium

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 Loubichi, European Commission; Pavel Ciaian, European Commission, IPTS - JRC; Maria Espinosa, European Commission-JRC-IPTS; Liesbeth Colen European Commission, 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

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

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

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

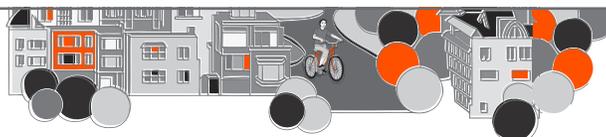
Yvonne Zavelberg, University of Bonn; Christine Wieck, University of Bonn; Thomas Heckeley, University of Bonn

Farm-Level and Consumption Responses to Improved Efficiency of Tanzania's Informal Dairy Value Chain

Edgar Twine, International Livestock Research Institute; Hikupeki 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



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

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 University; 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

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

1009 **SP** 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; **Georgianne 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

1010 **SP** 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

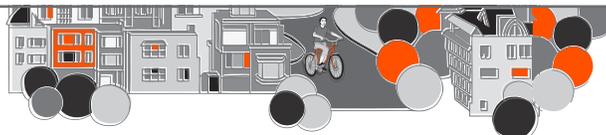
Benjamin Crost, University of Illinois at Urbana-Champaign; **Claire Duquenois**, University of Colorado Denver; **Joseph Felner**, Stanford University; **Daniel Rees**, University of Colorado Denver

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

Measuring the Accuracy of Engineering Models in Predicting Energy Savings from Home Retrofits: Evidence from Monthly Billing Data

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

Mid 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

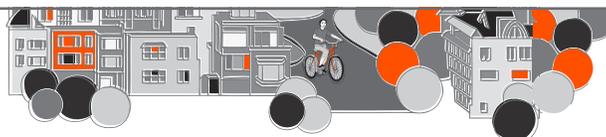
Jisang Yu, University of California, Davis

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



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

1016 **TS** **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
Bart Fischer, US House of Representatives

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

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

1017 **TS** **Investigating Decision Making: The Inclusion of Eye Tracking in Economic Experiments** *Sierra F, 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 **TS** 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 Galindo Pardo**, 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 **TS** 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"

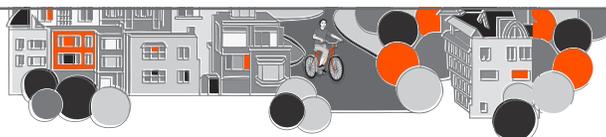
Jane Kolodinsky, University of Vermont

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



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

1020 **TS** 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 Kuethe, 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 **TS** 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> .

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 TS** 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

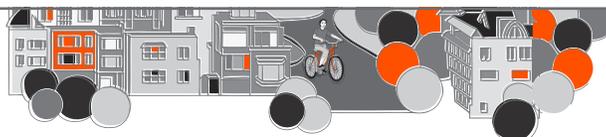
Organized Symposium

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 OS 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

Rezwani 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 Mafmisebi, 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 States 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

Tae-hoo 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

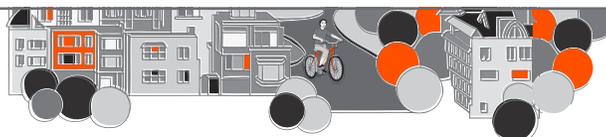
Andrea Leschewski, Michigan State University; Dave Weatherspoon, Michigan State University; Annemarie Kuhns, USDA-Economic Research Service; Christopher Dicken, USDA-Economic Research Service

The Relationship Between Supermarket Concentration and the Shopping Habits of the Urban Poor: A Prepared Foods Example

Dave Weatherspoon, Michigan State University; Andrea Leschewski, 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



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

1029 **SP** 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 Depositorio, University of Philippines; Rodolfo Nayga, University of Arkansas; **Yu Yvette Zhang**, Texas A&M University

1030 **SP** 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

Disentangling 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

Elizabeth 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 **SP** 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 **SP** Issues Related to Trade and Contracting among Smallholders

Pacific F, Fourth Level

Selected Presentation

The papers presented in this session investigate the impacts of contracting 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 **SP** 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

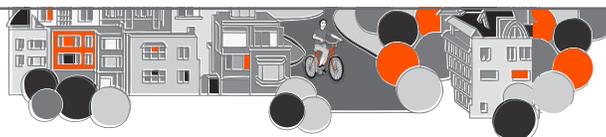
Richard Nebring, USDA-Economic Research Service; Sun Ling Wang, USDA-Economic Research Service; Jorge Fernandez-Cornejo, USDA-Economic Research Service; Seth Wechsler, USDA-Economic Research Service; Roberto Mosheim, USDA-Economic Research Service; Jarrett Hart, University of California, Davis

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 **TS** 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 **TS** 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

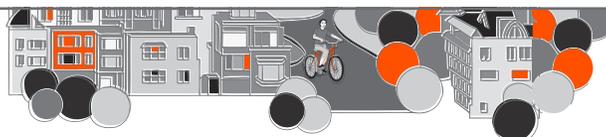
Zhibao Zheng, China Agricultural University; Yinyu Zhao, China Agricultural University; Ying Gao, China Agricultural University; Shida Rastegari Henneberry, China Agricultural University

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



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

1039 **TS** Nexus of the Local Food System, Small Farm Agriculture, and the New Farm Legislation

Sierra H, Fifth Level

Track Session – COSBAE/Extension Sections

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 **TS** Emerging Trends in Local Food Marketing: Future Research and Outreach Perspectives

Sierra I, Fifth Level

Track Session – AEM Section

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

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

1041 **TS** The Future of the CGIAR

Sierra J, Fifth Level

Track Session – LAS/Senior Section

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

1042 **TS** Identification of Causal Effects in Time Series Models

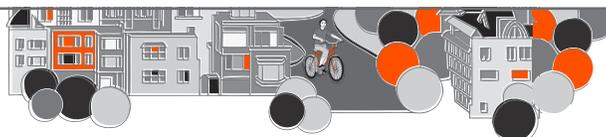
Sierra K, Fifth Level

Track Session – Econometrics Section

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 **IP** 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.

Discussant: 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 **OS** 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 **OS** 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 Policies 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 Babalim, 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 Tantikharnchana, 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 Univeristy

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

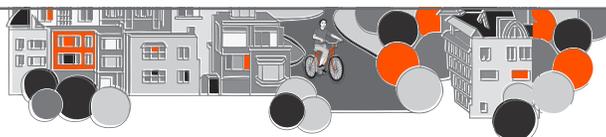
So Hyun Kim, Seoul National University; Kyeong Ah Ahn, Seoul National University; Young-Chan Choe, Seoul National University

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

Francisco Ceballos, International Food Policy Research Institute; **Manuel Hernandez**, International Food Policy Research Institute; Nicholas Minot, International Food Policy Research Institute; Miguel Robles, International Food Policy Research Institute

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

1050 **SP** 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

1051 **SP** 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

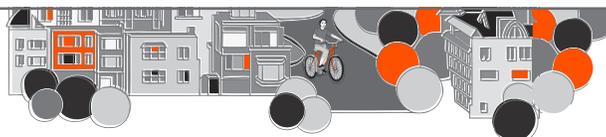
Joint Evaluation of Cash and In-kind Transfer Programs in Indonesia: What are the Roles in Food and Nutrition Security?
Rythia Afkar, University of Bonn

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



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

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

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

1054 **SP** The Role of Transfers Programs and Credit in Poverty Alleviation

Pacific J, Fourth Level

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

1055 **SP** Trade II - Advancements in Data, Theory, and Empirical Approaches

Pacific F, Fourth Level

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

1056 **SP** Water Use I - Managerial Decision-Making and Depletion

Sierra A, Fifth Level

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

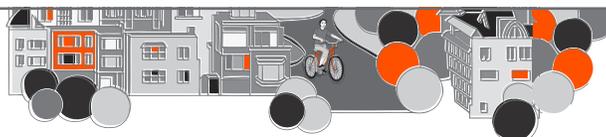
Samuel Collie, Colorado State University; Jordan Suter, Colorado State University; Dale Manning, Colorado State University; Joel Schneckloth, Colorado State University

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

Shengfei 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

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

1059 **TS** 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

1060 **TS** 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

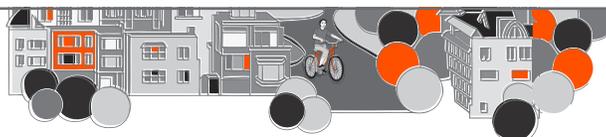
Monika Hartmann, University of Bonn; Stefanie Hecht, University of Bonn; Sean Cash, Tufts University; Anna McAlister, Michigan State University

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



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

1061 **TS** **Economics of Food Losses and Waste: What are the Right Questions?**

Sierra I, Fifth Level

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 Polices in Reducing Food Waste: A Behavioral Economics Approach

David Just, Cornell University

1062 **TS** **Tradable Permits**

Sierra J, Fifth Level

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

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

1063 **TS** Including Subjective Beliefs in Empirical Models of Choice and Preferences: Methodological and Food Policy Implications

Sierra K, Fifth Level

Track Session – FAMPS/FSN Sections

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

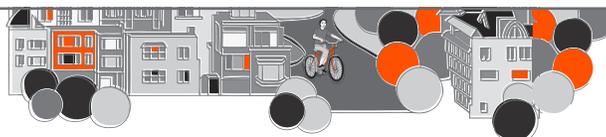
Marco Costanigro, Colorado State University; Gabriele Scozzafava, University of Florence; Leonardo Cassini, University of Florence

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 **IP** 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 **OS** 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

Getachew Nigatu, USDA-Economic Research Service; Kim Hjort, Economic Analysis Systems; James Hansen, USDA-Economic Research Service; Agapi Somwaru

Factors Affecting Food Purchase Decisions of US Households with Children across Food Retail Channels over the Period 1998-2013

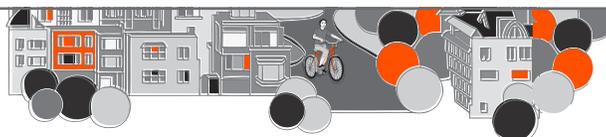
Senarath Dharmasena, Texas A&M University; Oral Capps, Jr., Texas A&M University

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



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

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?

Jinzhi 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 Nayga**, 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 sessions 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 **SP** 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

Shabeer Burney, University of Kentucky

Consumption Smoothing through Food Sharing in SNAP Households

Timothy Beatty, University of California, Davis; **Xinzhe 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 **SP** 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.

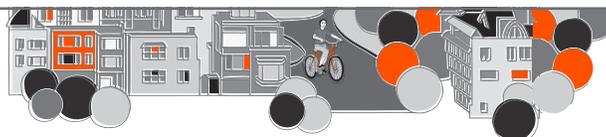
Michael Ollinger, USDA-Economic Research Service; John Bovay, USDA-Economic Research Service; Megan Hrdlicka, Georgetown University; James Wilkus, USDA-Food Safety and Inspection Service

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 **SP** 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 intra-household 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 Mishra, The Ohio State University; Abdoul Sam, The Ohio State University; Mario Miranda, The Ohio State University

1074 **SP** 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 **SP** 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 **SP** 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 Savchenko, University of Illinois at Urbana-Champaign; Amy Ando, University of Illinois at Urbana-Champaign

1077 **SP** 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 **TS** 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

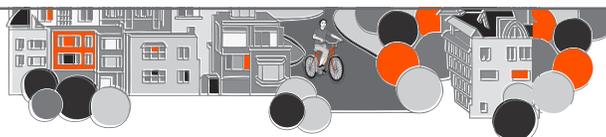
Allen Klaiber, The Ohio State University

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 TS 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 Knoblauch, Cornell University; Mark Stephenson, Cornell University

1080 TS Enhancing the Applied Knowledge of Local Food Systems' Economic Impacts: A National Research and Training Effort

Sierra F, 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 **TS** 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?

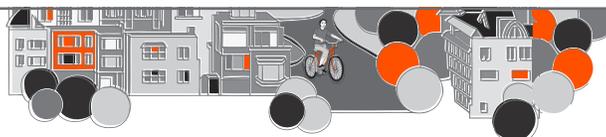
Chen Zhen, Research Triangle Institute; Mary Muth, Research Triangle Institute; Shawn Karns, Research Triangle Institute; Derick Brown, Research Triangle Institute; Peter Siegel, Research Triangle Institute; Abigail Okrent, USDA-Economic Research Service

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



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

1082 **TS** **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

1083 **TS** **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 transitioning 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

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

1084 **TS** Immigration and Agricultural Labor *Sierra K, Fifth Level*

Track Session – LAS/Senior Sections

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

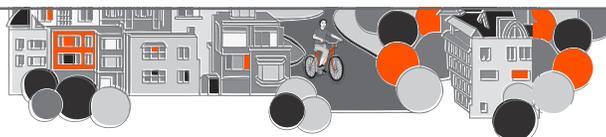
Philip Martin, University of California, Davis; *J. Edward Taylor*, University of California

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 **ICS** 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

Raised Without Antibiotics: Lessons from Voluntary Labeling of Antibiotic Use Practices in the Broiler Industry

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 **OS** 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

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

2003 OS 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

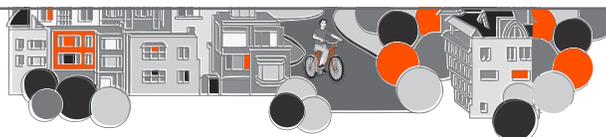
Frank Ward, New Mexico State University

Hydro-Economic Analysis of Drought Impacts in California

Duncan MacEwan, ERA Economics

A CGE Approach to Modeling Drought Impacts

Glyn Wittwer, Victoria University.



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

2004 Agricultural Production, Labor and Land Issues

Salon 4, Lower B2 Level

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

2005 Experimental Economics III - Agribusiness Research Findings

Salon 5, Lower B2 Level

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; Brenna 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 Gardebreek, Wageningen University; **Niccolo Meriggi**, Wageningen University; Koen Leuvelde, 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

Zhibua 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 Agriocultural 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

Talia Bar, University of Connecticut; **Yuqing Zheng**, University of Kentucky

Food Safety Recalls and the Demand for Leafy Greens

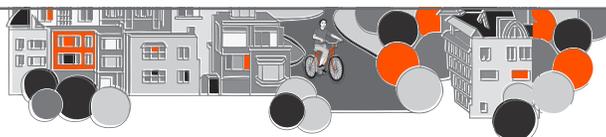
Elina Tselepidakis, University of Maryland

Penalties for Foodborne Illness: Jury Decisions and Awards in Foodborne Illness Lawsuits

Omchand Mahdu, 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

Kassu 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: Seanica Edwards, USDA-Economic Research Service

Using Genetic Testing to Improve Fed Cattle Marketing Decisions

Nathanael Thompson, Oklahoma State University; Eric Devuyt, 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

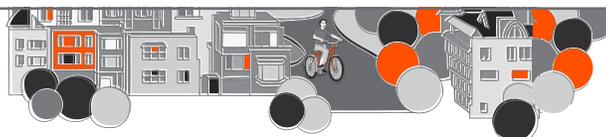
Basu Deb Bhandari, Louisiana State University; Jeffrey Gillespie, Louisiana State University; Guillermo Scaglia, Louisiana State University

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

Cortney Cowley, Oklahoma State University; Wade Brorsen, Oklahoma State University



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

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

A Meta-Frontier Approach for Causal Inference in Productivity Analysis: The Effect of Contract Farming on Sunflower Productivity in Tanzania

Arne Henningsen, University of Copenhagen; Daniel Mpeti, Institute of Rural Development Planning, Tanzania; Anwar Adem, University of Copenhagen; Joseph Kuzilwa, Mzumbe University, Tanzania; Tomasz 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

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

2015 **SP** Teaching, Communication, and Extension

Pacific I, Fourth Level

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 **TS**ACING THE RACE TO TENURE: A FORUM ON PUBLICATION AND CAREER STRATEGIES

Pacific J, Fourth Level

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

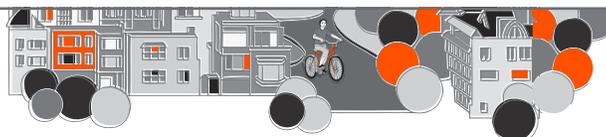
Lisa House, University of Florida

Publishing Inside and Outside of Your Field

David Just, Cornell University

Accept or Reject: An Editor's Insight

Wade Brorsen, Oklahoma State University



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

2017 **TS** Crop Insurance: Opportunities and Challenges Facing the Industry

Sierra A, Fifth Level

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 **TS** Extension Section Livestock Outlook

Sierra B, Fifth Level

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 **TS** How Can We Analyze Climate Change Policy When We Don't Have Enough Data?

Sierra C, Fifth Level

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 **TS** 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 **TS** Soil Tests & Smallholder Farmers: How Potent a Productive Input is Soil Fertility Information?

Sierra E, 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

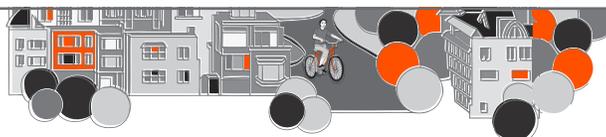
Emilia Tjernstrom, University of California; Michael Carter, University of California, Davis; Travis Lybbert, University of California, Davis

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



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

2022 **TS** 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

2023 **TS** 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

Concurrent Sessions – Tuesday, 9:45 AM - 11:15 AM

2024 **TS** 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

Containing Deep Capture without Stifling Innovation: Policy Options

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

2025 **TS** Keys to Responding Successfully to Funding Opportunities for Economics: Look, Read, Respond

Sierra K, Fifth Level

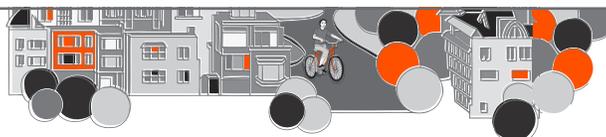
Track Session – AEM Senior Section

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 OS 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 OS 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

Teevrat 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 Manoa; Michael Roberts, University of Hawaii at Manoa

2028 OS 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

Selected Presentation – Lightning Session

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.

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 Arnoult, 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

Selected Presentation

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.

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

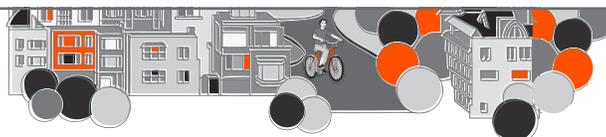
Larry Janssen, South Dakota State University; Bronc McMurtry, South Dakota State University; Matthew Stockton, University of Nebraska-Lincoln

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



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

2031 **SP** 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

2032 **SP** 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

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

2033 **SP** Marketing Issues with Meat, Livestock and Grain

Nob Hill B, Lower B2 Level

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 Mafmisebi, 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 Gagné, 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

2034 **SP** Farm Policy II - Programs and Politics in the United States

Pacific A, Fourth Level

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

2035 **SP** Obesity, Nutrition Labeling, and Social Network

Pacific B, Fourth Level

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

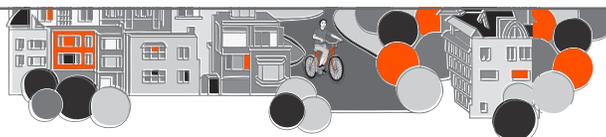
Christian Henning, University of Kiel; Nana Zarnekow, University of Kiel

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

Can the New Label Make a Difference? Comparing Consumer Attention for the Current versus Proposed Nutrition Facts Panel

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

Tibo 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

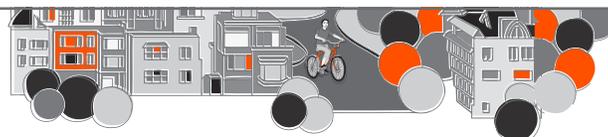
Daniel Capitani, University of Campinas; Fabio Mattos, University of Nebraska-Lincoln

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



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

2042 **SP** 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

2043 **TS** 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 **TS** 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 **TS** 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

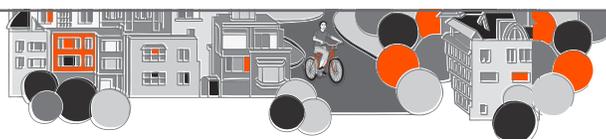
Jayson Lusk, Oklahoma State University

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



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

2046 **TS** Making Agricultural Research Matter to Women Farmers

Sierra F, Fifth Level

Track Session – International/CWAE Sections

The aim of this session is to critically look at approaches used in engaging with rural communities in projects working with small-holder 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

2047 **TS** 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

2048 **TS** 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 Lev, 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 **TS** 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 AAEE/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 **OS** 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

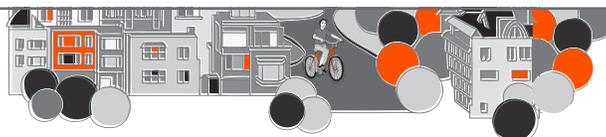
Jikun Huang, Chinese Academy of Sciences; Jun Yang, Chinese Academy of Sciences; Scott Rozelle, Stanford University

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

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

2053 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 Atreya, 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

2054 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

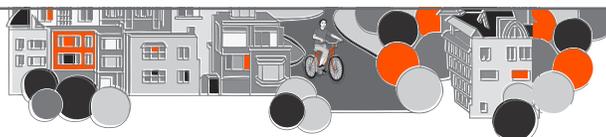
Edgar Twine, International Livestock Research Institute

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 PM

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; Xiuqing 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; Linwood Hoffman, USDA-Economic Research Service

Dynamic Relationships and Price Discovery of Western Alfalfa Markets

Hernan Tejada, 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 Tantikharnchana, Washington State University

Recreation Survey Response Data: Patterns and Problems

J. Scott Shonkwiler, University of Georgia; **Ashley Barfield**, University of Georgia

Valuing Improvements in Urban Water Security: Evidence of Heterogeneity Derived from a Latent Class Model for Eastern Australia

Bethany Cooper, La Trobe University; Michael Burton, University of Western Australia; Lin Crase, Centre for Water Policy and Management, La Trobe University

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

2057 **SP** 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 Bennet, 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

2058 **SP** 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

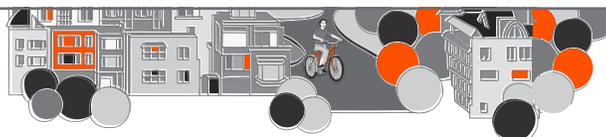
Simone Johnson, University of Georgia; **Joshua Berning**, University of Georgia; Gregory Colson, University of Georgia; Travis Smith, University of Georgia

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 Rebkamp, 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 Disdier, INRA; **Charlotte Emlinger**, CEPII; Jean Fouré, CEPII

The Transatlantic Trade and Investment Partnership: Effects on US, EU, and World Agriculture

Shawn Arita, USDA-Economic Research Service; Lorraine Mitchell, USDA-Economic Research Service; **Jayson Beckman**, USDA-Economic Research Service

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

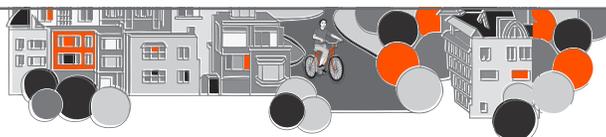
Kyle Binder, Texas A&M University; Richard Woodward, Texas A&M University; James Mjelde, Texas A&M University

Cost-Effectiveness of Policies Supporting Solar Panels in Indiana

Juan Pablo Sesmero, Purdue University; Jinho Jung, Purdue University; Wallace Tyner, Purdue University

Renewable Energy Policy Impact on Utility Plant Production and Cost Efficiencies

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 Adbikari, 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

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

2067 **TS** 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

2068 **TS** 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

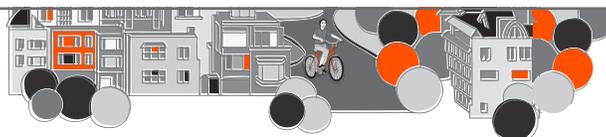
Anthony Murray, USDA-Economic Research Service; John Beghin, Iowa State University; Birgit Meade, USDA-Economic Research Service; Stacey Rosen, USDA-Economic Research Service

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



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

2069 **TS** **Chinese Food and Agricultural Issues: Food Safety and Consumer, WPT, Agricultural Services, Farmer Education Programs and Food Security**

Sierra C, Fifth Level

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 Suburban 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

2070 **TS** **Identifying Standards and Assessing Performance for Undergraduate Programs in Agricultural Business**

Sierra E, Fifth Level

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 **TS** 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

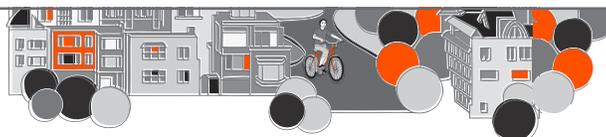
2072 **TS** New Developments in Identifying Causal Effects in Econometrics *Sierra H, Fifth Level*

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



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

2073 **TS** Assessing the Status of Global Dairy Trade

Sierra I, Fifth Level

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 **TS** 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-racking 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 **TS** 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

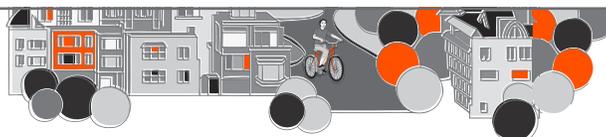
Sandra Hoffmann, USDA-Economic Research Service

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 **IP** 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 **OS** 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 OS Sustainable Management Approaches to Address Water Scarcity in the 21st Century

Sierra A, Fifth Level

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 OS Developing Success Strategies for Mid-Career Reinvigoration

Salon 3, Lower B2 Level

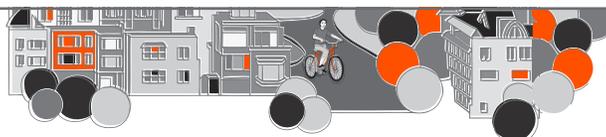
Organized Symposium

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



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

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

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

2082 **SP** 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

2083 **SP** 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

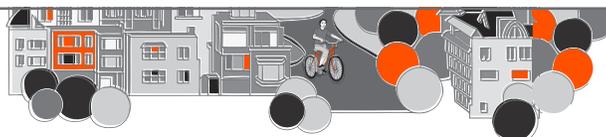
Hua Zhong, University of Kentucky; Wuyang Hu, University of Kentucky

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



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

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 **SP** 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 Twum Barima, University of California, Davis

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

2087 **SP** 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 **SP** 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

Jinxu Ding, Xiamen University; Chin-Hsien Yu, Southwestern University of Finance and Economics; Bruce McCarl, Texas A&M University

Land Use Change as an Adaptation Strategy of US Farms to Climate and Risk

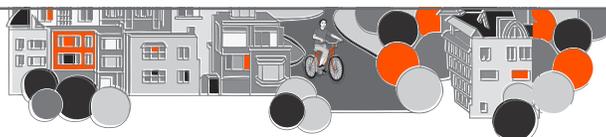
Jae-hoon Sung, Iowa State University; John Miranowski, Iowa State University

Additionality, GHG Offsets, and Avoiding Grassland Conversion in the Prairie Pothole Region

Justin Baker, RTI International; Annah 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

Welfare Transitions and its Correlates among Cocoa Farming Households in Nigeria: An Application of Ordered Probit Approach
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 **TS** 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

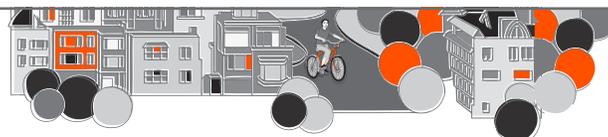
Achla Marathe, Virginia Tech

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

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

2096 **TS** 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

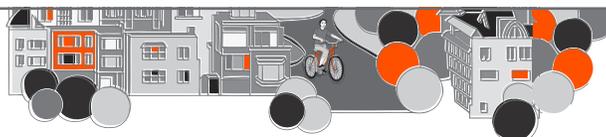
Gopinath Munisamy, USDA-Economic Research Service; Maurice Landes, III, USDA-Economic Research Service

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



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

2097 **TS** 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

2098 **TS** 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

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

2099 **TS** 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

2100 **TS** 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, ESPOLE

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

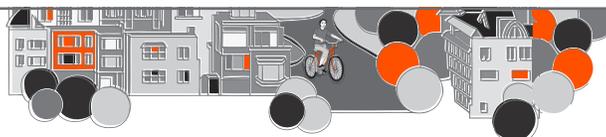
Nathaniel Jensen, Cornell University; Christopher Barrett, Cornell University; Andrew Mude, International Livestock Research Institute

Seasonal Forecasts, Index Insurance, Uncertainty, and Farmer Choices in Indonesia

Daniel Osgood, Columbia University; Geoffrey McCarney, Columbia University; Katy 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



Topical Index

TOPICAL INDEX TABLE OF CONTENTS

Ag Finance and Farm Management	121	Food Safety and Nutrition Section (FSN)	124
Agribusiness Economics and Management	121	Graduate Student Section (GSS)	124
Agribusiness Economics and Management Section (AEM)	122	Household and Labor Economics.....	125
Agricultural Finance and Management Section (AFM).....	122	Institutional and Behavioral Economics Section (IBES)	125
Applied Risk Analysis Section (ARA).....	122	International Association of Agricultural Economists (IAAE)	125
Association of Environmental and Resource Economists (AERE)	122	International Development	125
Australian Agricultural and Resource Economics Society (AARES)	122	International Section	125
Australasia Section.....	122	International Trade.....	126
Behavioral & Institutional Economics.....	122	Land, Water and Environmental Economics Section (ENV).....	126
China Section.....	122	Latin American Section (LAS).....	126
Committee on the Opportunities and Status of Blacks in Agricultural Economics Section (COSBAE)	122	National Association of Agricultural Economics Administrators (NAAEA)	126
Committee on Women in Agricultural Economics Section (CWAE).....	122	Natural Resource Economics.....	126
Community and Regional Economics Network Section (CRENET)	123	Production Economics	126
Demand and Price Analysis.....	123	Productivity Analysis and Emerging Technologies	126
Econometrics Section	123	Research Methods/Econometrics/Stats	126
Environmental and Nonmarket Valuation.....	123	Resource and Environmental Policy Analysis.....	127
European Association of Agricultural Economists (EAAE)	123	Risk and Uncertainty.....	127
Experimental Economics.....	123	Rural/Community Development.....	127
Extension Section (EXT).....	123	Senior Section	127
Food and Agricultural Marketing	123	Teaching, Communication, and Extension.....	127
Food and Agricultural Marketing Policy Section (FAMPS).....	124	Teaching, Learning, and Communications Section (TLC)..	127
Food and Agricultural Policy Analysis.....	124	Undergraduate Student Section (SS-AAEA)	127
Food Safety and Nutrition.....	124	Western Agricultural Economics Association (WAEA)	127

Ag Finance and Farm Management

- 1005** Farm Credit - Analysis of Credit Access and Constraints on Farm Profitability and Survival
- 1027** Crop Insurance I - Issues with Hedging, Moral Hazard, Farm Solvency and Climate Change
- 2030** Production and Risk Management
- 2052** The Political Economy of Food and Bio-Energy Policy in an Age of Price Volatility: International Perspectives
- 2054** Dairy Finance and Management
- 2081** Farmland and Asset Values - Measurement and the Effect of Environmental Policies
- Posters** 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Agribusiness Economics and Management

- 1004** Cooperatives: Strategies, Efficiencies, and Constraints
- 1026** Agribusiness Practices in Africa
- 1047** Agribusiness Issues in Asia
- 1068** Time Series Data and Analytics in the Agribusiness Sector
- 2005** Experimental Economics III - Agribusiness Research Findings
- Posters** 12, 13, 14, 15, 16, 18, 19, 20, 21

Topical Index

Agribusiness Economics and Management (AEM)

- 1040** Emerging Trends in Local Food Marketing: Future Research and Outreach Perspectives
- 1061** Economics of Food Losses and Waste: What are the right questions?
- 1082** Innovative Methods for Teaching Industry Skills to Students
- 2025** Keys to Responding Successfully to Funding Opportunities for Economics: Look, Read, Respond
- 2048** Whither "Agriculture of the Middle"
- 2073** Assessing the Status of Global Dairy Trade
- 2095** Understanding the Role of Performance Management in Food and Agribusiness Firms

Agricultural Finance and Management (AFM)

- 1020** Lending in Volatile Times
- 2067** Current Issues in Cooperative Finance

Applied Risk Analysis (ARA)

- 1079** Costs and Consequences of Recent Legislation Affecting Dairy and Food Safety
- 2017** Crop Insurance: Opportunities and Challenges Facing the Industry
- 2068** Food Security in an Imperfect World: Method, Causes and Remedies
- 2100** Basis Risk and Contract Design of Index Insurance in Developing Countries

Association of Environmental and Resource Economists (AERE)

- 1024** Water, Industrial Production, and International Trade
- 2027** Electricity Supply and Demand

Australian Agricultural and Resource Economics Society (AARES)

- 2003** Hydro-Economic Modeling Approaches
- 2028** Drought Policy Response

Australasia Section

- 2097** Policy for Managing Infections Livestock Diseases

Behavioral & Institutional Economics

- 1048** Can't We All Just Get Along? Institutional and Behavioral Economic Insights for Encouraging Cooperative Outcomes
- 1069** Decision Making Biases and Food Choices
- 2006** The Games People Play: Methodological Advances in Aspiration Windows, Auctions, and Investments
- Posters** 22, 23, 24, 25, 26, 27, 28, 29, 30, 31

China Section

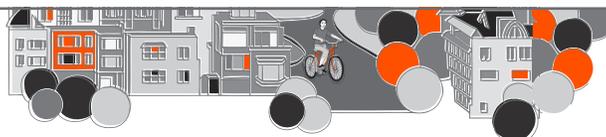
- 1018** Agriculture in Africa: Telling Facts from Myths
- 1038** Emerging Development Issues in Rural China: Land Titling, Agricultural Subsidy, Non-Farm Employment and Food Safety
- 2069** Chinese Food and Agricultural Issues: Food Safety and Consumer WTP, Agricultural Services, Farmer Education Programs and Food Security

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

- 1039** Nexus of the Local Food System, Small Farm Agriculture and the New Farm Legislation
- 1064** Guiding Investments in Sustainable Agricultural Intensification in Africa: New Research Evidence and Implications for Policy
- 2023** Diversity in Agricultural and Applied Economics: Where are We and Where are We Going?
- 2073** Assessing the Status of Global Dairy Trade

Committee on Women in Agricultural Economics (CWAE)

- 2023** Diversity in Agricultural and Applied Economics: Where are We and Where are We Going?
- 2046** Making Agricultural Research Matter to Women Farmers



Topical Index

Community and Regional Economics Network (CRENET)

- 1021** Measuring Wealth for Developing and Evaluating Rural Development Policy and Strategy
- 1080** Enhancing the Applied Knowledge of Local Food Systems' Economic Impacts: A National Research and Training Effort

Demand and Price Analysis

- 1006** Dairy Demand in the United States, Germany, and Tanzania
- 1028** Food Security I - Connecting the Food Environment, Consumption and Security
- 1049** Price Transmission - Empirical Applications to Tax and Exchange Rate Pass Through
- 1070** Energy Economics II - Gasoline and Natural Gas Price Determination and Policy Implications
- 2029** Preferences, Demand and Government Policy
- 2055** What More Can We Learn about Price Discovery?
- 2082** Commodity Prices in a New Era
- Posters** 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43

Econometrics Section

- 1019** Modeling Current Issues in Food System Analysis
- 1042** Identification of Causal Effects in Time Series Models
- 2019** How Can We Analyze Climate Change Policy When We Don't Have Enough Data?
- 2072** New Developments in Identifying Causal Effects in Econometrics

Environmental and Nonmarket Valuation

- 1007** Information, Risk and Uncertainty
- 1046** Advances in Environmental and Hedonic Valuation I
- 2031** Advances in Environmental and Hedonic Valuation II
- 2056** Advances in Environmental and Hedonic Valuation III
- 2083** Informing Public Policy to Best Use Markets
- Posters** 44, 45, 46, 47, 48, 49, 50, 51, 53, 54, 55

European Association of Agricultural Economists (EAAE)

- 1045** EAAE Organized Session - Restarting WTO Negotiations. The Post-Bali Work-Program: What is on the Table, What Would be Needed

Experimental Economics

- 1029** Experimental Economics I - Issues in Auctions and Choice Experiments
- 1050** Experimental Economics II - Developmental Economics Applications
- 2076** Controversies and Frontiers in Experimental Economics
- Posters** 56, 57, 58, 59, 60, 61, 62, 63

Extension Section (EXT)

- 1016** Washington Policy Update by Chief Economists from the House and Senate Ag Committees
- 1037** Protecting Agricultural Operations in Today's Legal Environment
- 1039** Nexus of the Local Food System, Small Farm Agriculture and the New Farm Legislation
- 1059** The Implications of "Big Ag Data" for Agricultural Risk/Farm Management
- 2018** Extension Section Livestock Outlook
- 2044** Crops Outlook
- 2071** Prospects for GMOs and GMO Labeling
- 2098** Graduate Student Extension Competition Winners

Food and Agricultural Marketing

- 1023** Mapping the Economics of the Beef Genome
- 1067** Food and Agricultural Marketing II
- 2028** Drought Policy Response
- 2032** Demand Analysis for Product Attributes and Supply Chains
- 2033** Marketing Issues with Meat, Livestock and Grain
- 2051** What Should Be Done about Increasing Market Thinness?
- 2057** Marketing Aspects of Coffee, Apple, Maize and Local Foods
- 2084** Beverage Marketing, Menu Labeling and Local Foods
- Posters** 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79

Topical Index

Food and Agricultural Marketing Policy Section (FAMPS)

- 1017** Investigating Decision Making: The Inclusion of Eye Tracking in Economic Experiments
- 1063** Including Subjective Beliefs in Empirical Models of Choice and Preferences: Methodological and Food Policy Implications
- 2043** Analyzing Food Choices: The Effects of Social Networks, Nutrition Facts in Lunchrooms and Cognitive Abilities
- 2075** Food Safety as a Global Public Good: Recent Advances in Strengthening the Foundation for More Effective Food Safety Management

Food and Agricultural Policy Analysis

- 1001** The When, Where and How of SNAP Spending: New Evidence from the Food Acquisition and Purchase Survey (FoodAPS)
- 1003** Farm Policy I - Food, Farms and the Environment
- 1008** Food and Agricultural Marketing I - Organic Agriculture, Value Chains and Farm-to-School Programs
- 1030** Energy Economics I - Agricultural and Energy Market Linkages
- 1051** Food Security II - Global Food Security
- 1071** Food Security III - The Role and Impact of SNAP in the US
- 2007** Technology Adoption II - R&D Spillovers, GMO Adoption and Land Use
- 2034** Farm Policy II - Programs and Politics in the United States
- 2058** Food Choices and Impacts
- 2085** Trade IV - Trade Restrictions and the Politics of Trade Policy
- 2094** Crop Insurance IV - Participation, Welfare Impacts and Production Effects
- Posters** 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104

Food Safety and Nutrition

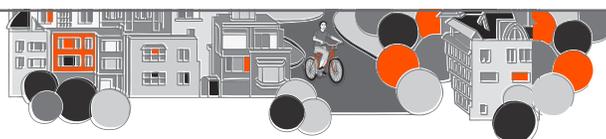
- 1022** Hunger Relief Programs: Exploring Methods to Improve Food Access
- 1053** Food Environment and Food Choices
- 1072** Food Safety I - Consumer Attitudes, Outbreak Effects, Public Disclosure, and Regulatory Costs
- 2008** Food Safety II - Safety Certification, Food Recalls and Liability Costs
- 2035** Obesity, Nutrition Labeling and Social Network
- Posters** 105, 106, 107, 108, 109, 110, 111

Food Safety and Nutrition Section (FSN)

- 1019** Modeling Current Issues in Food System Analysis
- 1022** Hunger Relief Programs: Exploring Methods to Improve Food Access
- 1060** Children's Food Choices throughout the Day: Looking Beyond the School Lunchroom
- 1063** Including Subjective Beliefs in Empirical Models of Choice and Preferences: Methodological and Food Policy Implications
- 1079** Costs and Consequences of Recent Legislation Affecting Dairy and Food Safety
- 1081** Understanding and Analyzing IRI Scanner Data
- 2016** Acing the Race to Tenure: A Forum on Publication and Career Strategies
- 2043** Analyzing Food Choices: The Effects of Social Networks, Nutrition Facts in Lunchrooms and Cognitive Abilities
- 2075** Food Safety as a Global Public Good: Recent Advances in Strengthening the Foundation for More Effective Food Safety Management
- 2099** Advancing Behavioral Methods for Assessing Consumer Demand: Applications to Food Safety and Animal Welfare

Graduate Student Section (GSS)

- 1081** Understanding and Analyzing IRI Scanner Data
- 2016** Acing the Race to Tenure: A Forum on Publication and Career Strategies
- 2047** Teaching Tips from AAEE Award Winners
- 2074** Tips on Securing a Job with an Agricultural or Applied Economics Graduate Degree
- 2098** Graduate Student Extension Competition Winners



Topical Index

Household and Labor Economics

- 1009** Human Capital: Wages, Skills, and Wealth
- 1031** Agriculture in Transitions: Household Perspectives
- 2059** Health and Nutrition: Household Perspectives
- 2086** Intra-household Allocation of Resources
- Posters** 112, 113, 114, 115, 116, 117

Industrial Org./Supply Chain Management

- 1043** Strategic Behavior and Retail Food Prices
- 2009** Competition, Contracting, and Innovation in Agricultural Markets
- 2036** Online Search, Price Dispersion, and Standards and Labeling in Food Markets
- Posters** 118, 119, 120, 121, 122

Institutional and Behavioral Economics Section (IBES)

- 1017** Investigating Decision Making: The Inclusion of Eye Tracking in Economic Experiments
- 1060** Children's Food Choices throughout the Day: Looking Beyond the School Lunchroom
- 2024** The Economics and Psychology of "Deep Capture"
- 2045** Incorporating Ethics in Economic Analysis
- 2099** Advancing Behavioral Methods for Assessing Consumer Demand: Applications to Food Safety and Animal Welfare

International Association of Agricultural Economists (IAAE)

- 1083** Reexamining Agricultural Commercialization in the Developing World: The Cash versus Food Production Tradeoff
- 2052** The Political Economy of Food and Bio-Energy Policy in an Age of Price Volatility: International Perspectives

International Development

- 1010** Climate Change Adaptation and Impact I - Smallholder Agriculture
- 1032** Issues Related to Trade and Contracting among Smallholders
- 1054** The Role of Transfers Programs and Credit in Poverty Alleviation
- 1064** Guiding Investments in Sustainable Agricultural Intensification in Africa: New Research Evidence and Implications for Policy
- 1065** Global Health: The Role of Pathogens and Pests
- 1073** Gender and Intrahousehold Allocation Issues
- 2002** Enhancing African Agricultural Transformation
- 2004** Agricultural Production, Labor and Land Issues
- 2010** Child Health and Food Security Measures
- 2037** Smallholder Marketing Issues
- 2060** Schooling, Labor Force, and Migration
- 2087** Economic and Weather Shocks
- Posters** 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139

International Section

- 1018** Agriculture in Africa: Telling Facts from Myths
- 1038** Emerging Development Issues in Rural China: Land Titling, Agricultural Subsidy, Non-farm Employment and Food Safety
- 1061** Economics of Food Losses and Waste: What are the Right Questions?
- 1064** Guiding Investments in Sustainable Agricultural Intensification in Africa: New Research Evidence and Implications for Policy
- 1083** Reexamining Agricultural Commercialization in the Developing World: The Cash Versus Food Production Tradeoff
- 2021** Soil Tests & Smallholder Farmers: How Potent a Productive Input is Soil Fertility Information?
- 2046** Making Agricultural Research Matter to Women Farmers
- 2068** Food Security in an Imperfect World: Method, Causes and Remedies
- 2093** Ebola: Predicting it, Addressing it, and Food Security Impacts
- 2096** The Role of the Developing and Emerging Countries in Shaping the Future of the Global Trade System

Topical Index

International Trade

- 1011** Trade I - The Interaction of Trade and Non-Trade Policies in Food and Agriculture
- 1045** EAAE Organized Session - Restarting WTO Negotiations. The Post-Bali Work-program: What is on the Table, what would be Needed
- 1055** Trade II - Advancements in Data, Theory and Empirical Approaches
- 2038** Trade III - Issues in Developing Countries
- 2050** Perspectives on China as the Leading US Agricultural Export Market
- 2061** Trade V - Evaluation of Current and Prospective Trade Liberalization Agreements
- Posters** 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 151

Land, Water and Environmental Economics (ENV)

- 1062** Tradable Permits
- 1078** Challenges in Non-Market Valuation and Techniques to Address Them
- 2049** Natural Hazard Adaptation, Resilience and Green Infrastructure
- 2066** Agricultural Conservation and Land Use Change: Experimental and Econometric Investigations of Behavior and Policy

Latin American Section (LAS)

- 1041** The Future of the CGIAR
- 1084** Immigration and Agricultural Labor

National Association of Agricultural Economics Administrators (NAAEA)

- 2022** Community and Rural Economic Development (CRED) and Agricultural Economics Departments – How Do the Two Fit?

Natural Resource Economics

- 1024** Water, Industrial Production, and International Trade
- 1025** Natural Resource Economics - Lightning Session
- 1056** Water Use I - Managerial Decision-Making and Depletion
- 1074** Fisheries
- 2011** Energy Economics III - Impacts of Oil and Gas Production and Electricity Pricing Policies
- 2062** Water Use IV - Urban and Agricultural Water Demand
- 2088** Climate Change Adaptation and Impact IV - Land Use
- Posters** 152, 153, 154, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166

Production Economics

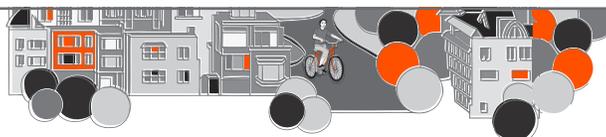
- 1012** Production Economics - Modeling Producer Decisions
- 1033** Management of Chemical Inputs in Production
- 1075** Energy Intensity of Agricultural Production
- 2012** Livestock Price & Production
- 2080** Production Economics - Lightning Session
- Posters** 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180

Productivity Analysis and Emerging Technologies

- 1002** Measurement of US Agricultural Productivity: What Follows the External Review?
- 2013** Productivity and Farm Structure
- 2039** Water Use III - Productivity and Farm Efficiency
- 2063** Climate Change Adaptation and Impact III - Productivity
- 2089** Technology Adoption III - Case Studies in Developing Countries
- Posters** 181, 182, 183, 184

Research Methods/Econometrics/Stats

- 1013** Technology Adoption I - Using New Data and Methods to Evaluate Adoption Rates, Outcomes and Benefits
- 1034** Spatial and Land Use Models
- 1035** Assessing Models with Data Limitations
- 1044** Defining Rural (and Urban) Geography
- 1057** Empirical Methods - Discrete Dependent Variables
- 2003** Hydro-Economic Modeling Approaches
- Posters** 185, 186, 187, 188, 189, 190



Topical Index

Resource and Environmental Policy Analysis

- 1014** Dimensions of Biofuels and Biomass Production and Other Resource and Environmental Policy Topics
- 1036** Conservation Programs: Incentives, Information, and Impact
- 1058** Regulating Airborne Pollutants - Cost, Impact and Design Considerations for Policy
- 1076** Water Use II - Policy Topics
- 2026** Inducing Agricultural Conservation to Reduce Eutrophication and Hypoxia
- 2027** Electricity Supply and Demand
- 2040** Climate Change Adaptation and Impact II - Implications at Household and Market Levels
- 2053** Snapshots of Resource and Environmental Policy Research
- 2064** Energy Economics IV - Impacts and Cost-Effectiveness of Renewable Energy Programs
- 2077** Water Markets in the Western United States: Supply Challenges and Frictions
- 2078** Sustainable Management Approaches to Address Water Scarcity in the 21st Century
- 2090** Water Use V - Water Sales and Scarcity
- Posters** 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209

Risk and Uncertainty

- 1015** Risk Management and the 2014 Farm Bill
- 1066** Forecasting Price Volatility for Policy Analysis
- 1077** Crop Insurance II - Managing Weather Risk
- 2041** Commodity Marketing and Risk Management
- 2065** Crop Insurance III - Current Issues
- 2091** Risk Preferences and Risk Perception
- Posters** 210, 211, 212, 213, 214, 215, 216, 217, 218

Rural/Community Development

- 2014** Poverty, Food, and Public Assistance
- 2042** Regional Science Methods
- 2092** Papers on Place - Migration, Trade and Quality of Life
- Posters** 219, 220, 221, 222, 223, 224, 225, 226

Senior Section

- 1021** Measuring Wealth for Developing and Evaluating Rural Development Policy and Strategy
- 1022** Hunger Relief Programs: Exploring Methods to Improve Food Access
- 1041** The Future of the CGIAR
- 1059** The Implications of “Big Ag Data” for Agricultural Risk/Farm Management
- 1084** Immigration and Agricultural Labor
- 2025** Keys to Responding Successfully to Funding Opportunities for Economics: Look, Read, Respond
- 2045** Incorporating Ethics in Economic Analysis
- 2071** Prospects for GMOs and GMO Labeling
- 2096** The Role of the Developing and Emerging Countries in Shaping the Future of the Global Trade System

Teaching, Communication, and Extension

- 2015** Teaching, Communication, and Extension
- 2079** Developing Success Strategies for Mid-Career Reinvigoration
- Posters** 227

Teaching, Learning, and Communications Section (TLC)

- 1052** High Impact Learning Activities in Agricultural Economics- What Works and What Doesn't
- 1082** Innovative Methods for Teaching Industry Skills to Students
- 2020** Integrated Learning Environments: Enhancing Discovery through Research and Engagement
- 2047** Teaching Tips from AAEA Award Winners
- 2070** Identifying Standards and Assessing Performance for Undergraduate Programs in Agricultural Business

Undergraduate Student Section (SS-AAEA)

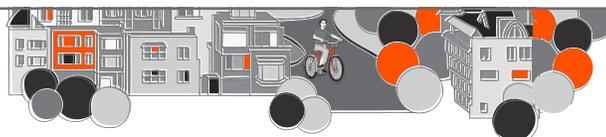
- 1052** High Impact Learning Activities in Agricultural Economics- What Works and What Doesn't
- 2070** Identifying Standards and Assessing Performance for Undergraduate Programs in Agricultural Business

Western Agricultural Economics Association (WAEA)

- 1065** Global Health: The Role of Pathogens and Pests
- 2077** Water Markets in the Western United States: Supply Challenges and Frictions

Participant and Author Index

- Abbott, Philip**, Purdue University: 141, 203
- Abdulai, Awudu**, University of Kiel: 1050, 2057
- Aboohamidi, Abbas**, Texas Tech University: 1009
- Ackerman, Patricia**, Kansas State University Salina: 2015
- Adalja, Aaron**, University of Maryland: 1072
- Adam, Brian**, Oklahoma State University: 67, 2037
- Adamowicz, Wiktor**, University of Alberta: 2043
- Adcock, Flynn**, Texas A&M University: 1084
- Adem, Anwar**, University of Copenhagen: 2013
- Adhikari, Shyam**, Aon Benfield: 2065
- Adjemian, Michael**, USDA-Economic Research Service: 2051
- Adong, Annet**, Makere University: 1050
- Afkar, Rythia**, University of Bonn: 1051
- Agarwal, Sandip**, Iowa State University: 29
- Aguiar, Angel**, Purdue University: 1051
- Ahearn, Mary Clare**, *Choices* Editor: 2050, 2079
- Ahmed, Md Mansur**, North Carolina State University: 1055
- Ahn, Kyeong Ah**, Seoul National University: 1047
- Ahsanuzzaman, Ahsanuzzaman**, Virginia Tech: 1013
- Aizaki, Hideo**, Hokkaido University: 108
- Ajewole, Kayode**, Kansas State University: 1067
- Alam, Mohammad**, Bangladesh Agricultural University: 178
- Aleksanyan, Lilia**, Paris School of Economics: 169
- Alemu, Tekie**, Association for Ethiopian Microfinance Institutes: 1030
- Alexander, Corinne**, Purdue University: 2037
- Alhassan, Mustapha**, University of Nebraska-Lincoln: 45
- Allen, Shannon**, University of Alberta: 2043
- Allen, William**, The Conservation Fund: 2066
- Alston, Julian**, University of California, Davis: 1023, 2071, 2097
- Alvarez, Sergio**, Florida Department of Agriculture and Consumer Services: 54
- Alwang, Jeffrey**, Virginia Tech: 130
- Amanor-Boadu, Vincent**, Kansas State University: 2029
- Amewu, Sena**, International Water Management Institute: 2083
- Amoah, Philip**, International Water Management Institute: 2083
- Amosson, Stephen**, Texas A&M University: 2081
- Amponsah, Kwabena**, University of Connecticut: 2089
- An, Henry**, University of Alberta: 41
- An, Ning**, McGill University: 1027
- Anania, Giovanni**, University of Calabria: 1045
- Ancev, Tiho**, University of Sydney: 2039
- Anders, Sven**, University of Alberta: 145, 1067, 2016
- Andersen, Matthew**, University of Wyoming: 1023
- Anderson, Aaron**, USDA-Animal and Plant Health Inspection Service : 100
- Anderson, Christopher**, University of Washington: 2083
- Anderson, David**, Texas A&M University: 1037, 1084, 2018, 2033, 2098
- Anderson, Gary**, University of Maine: 174
- Anderson, Jock**, World Bank: 2002
- Anderson, John**, American Farm Bureau Federation: 1059
- Anderson, Michael**, University of California, Berkeley: 2058
- Ando, Amy**, University of Illinois at Urbana-Champaign: 1076
- Andrango, Graciela**, Kansas State University: 2015
- Ang, Frederic**, University of Reading: 2080
- Anglade, Boaz**, University of Florida: 85
- Annan, Francis**, Columbia University: 211
- Anunu, Colleen**, Cornell University: 2057
- Apland, Jeffrey**, University of Minnesota: 2080
- Araujo Enciso, Sergio René**, Georg-August-Universität Göttingen: 1030
- Arbuckle, J. Gordon**, Iowa State University: 1025
- Areal, Francisco**, University of Reading: 2080
- Arita, Shawn**, USDA-Economic Research Service: 2061
- Arnade, Carlos Anthony**, USDA-Economic Research Service: 1012, 2055
- Arnoult, Matthieu**, University of Reading: 2029
- Arora, Anchal**, Jawaharlal Nehru University: 2029
- Arora, Gaurav**, Iowa State University: 1025
- Artz, Georgeanne**, Iowa State University: 8, 1009
- Asadullah, Niaz**, Malaya University: 2014
- Asante-Addo, Collins**, International Food Policy Research Institute: 2080
- Asci, Serhat**, California State University, Fresno: 54, 2073
- Asgari, Mahdi**, University of Kentucky: 148
- Asirvatham, Jebaraj**: 2054
- Atallah, Shady**, Purdue University: 153, 159, 2088
- Atreya, Ajita**, University of Pennsylvania: 2053

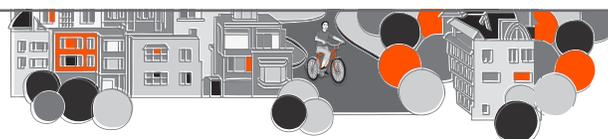


Participant and Author Index

- Auffhammer, Maximilian**, University of California, Berkeley: 2019
- Awondo, Sebastain**, University of Georgia: 1077
- Azad, Samad Md**, University of Tasmania: 2039
- Azzam, Azzeddine**, University of Nebraska-Lincoln: 1067, 2058
- Baerenklau, Kenneth**, University of California, Riverside: 2056, 2090
- Baggio, Michele**, University of Connecticut: 1046
- Bahalim, Ammad**, International Centre for Trade and Sustainable Development: 1045
- Bairagi, Subir**, University of Nebraska-Lincoln: 182
- Baker, Justin**, RTI International: 2088
- Balagtas, Joseph**, Purdue University: 2009
- Baldos, Uris Lantz**, Purdue University: 1013, 2040
- Ball, Virgil**, USDA-Economic Research Service: 1002, 1031, 2080
- Ballenger, Nicole**, University of Wyoming: 1023, 2038
- Bampasidou, Maria**, University of Florida: 1052
- Banerjee, Simanti**, University of Nebraska-Lincoln: 60, 1036
- Bansal, Sangeeta**, Jawaharlal Nehru University: 2029
- Bar, Talia**, University of Connecticut: 2008
- Barbier, Edward**, University of Wyoming: 1025
- Barfield, Ashley**, University of Georgia: 2056
- Barnett, Barry**, Mississippi State University: 1059
- Barrera, Victor**, Instituto Nacional Autonomo de Investigaciones Agropecuarias: 130
- Barrett, Christopher**, Cornell University: 2004, 2100
- Barrowclough, Michael**, Virginia Tech: 1067
- Basauri Bryan, Elizabeth**, International Food Policy Research Institute: 1030, 2046
- Baskett, Marissa**, University of California, Davis: 1074
- Bastola, Umesh**, Washington State University: 115, 151, 2010
- Bauman, Allison**, Colorado State University: 1080, 2062
- Bayham, Jude**, Yale University: 2053
- Baylis, Kathy**, University of Illinois at Urbana-Champaign: 1053, 1054, 2037, 2053
- Bazzani, Claudia**, University of Bologna: 1069
- Beach, Robert**, RTI International: 2040, 2063
- Beatty, Timothy**, University of California, Davis: 58, 66, 117, 1071
- Beckman, Jayson**, USDA-Economic Research Service: 150, 2061
- Beghin, John**, Iowa State University: 2068
- Behe, Bridget**, Michigan State University: 1017
- Bejarano, Hernan**, The Pennsylvania State University: 2076
- Bekkerman, Anton**, Montana State University: 1034, 2020
- Bell, Kathleen**, University of Maine: 2066
- Bellemare, Marc**, University of Minnesota: 1083, 2091
- Bello, Muhammad Baba**, University of Kiel: 1050
- Belova, Anna**, Abt Associates Inc.: 218
- Benavidez, Justin**, Texas A&M University: 102
- Bennet, Ruth**, Cornell University: 2057
- Benoit, Malan**, University of Cocody - Abidjan: 2037
- Bentley, Angela**, University of Alberta: 2081
- Bento, Antonio Miguel**, Cornell University: 2027, 2053
- Berazneva, Julia**, Cornell University: 1073
- Bergtold, Jason**, Kansas State University: 16, 1012, 1057, 2015
- Bernard, John**, University of Delaware: 2099
- Berning, Joshua**, University of Georgia: 1001, 1003, 1053, 2058
- Bessler, David**, Texas A&M University: 1051
- Bhandari, Basu Deb**, Louisiana State University: 2012
- Bhargava, Anil**, University of Michigan: 2004
- Bhat, Mahadev**, Florida International University: 1056
- Bi, Xiang**, University of Florida: 44, 1057
- Bian, Xiaodong**, Yunnan University of Finance and Economics: 1046
- Binder, Kyle**, Texas A&M University: 2064
- Binkley, Clark**, GreenWood Resources: 80
- Binkley, James**, Purdue University: 65, 1035
- Birur, Dileep**, RTI International: 1051
- Bittner, Amanda**, Purdue University: 192
- Black, Michael**, University of Arkansas: 227
- Blandford, David**, The Pennsylvania State University: 1045
- Blayney, Donald**, New Mexico State University: 1049, 2073
- Blinn, Christine**, Virginia Tech: 2049
- Boehlje, Michael**, Purdue University: 17
- Bogan, Vicki**, Cornell University: 46
- Boland, Michael**, University of Minnesota: 2001
- Bonroy, Olivier**, INRA: 2036

Participant and Author Index

- Bontemps, Christophe**, Toulouse School of Economics -INRA: 217
- Bonti-Ankomah, Samuel**, Agri-Food Canada: 21
- Booker, James**, Siena College: 2039
- Boonsaeng, Tullaya**, Texas Tech University: 34, 70
- Boote, Kenneth**, University of Florida: 49
- Bose, Aaron**, University of Georgia: 156
- Botkins, Elizabeth**, The Ohio State University: 1008, 1069
- Bouchard, Dylan**, University of Maine: 174
- Boucher, Stephen**, University of California, Davis: 2100
- Boughton, Duncan**, Michigan State University: 2089
- Bovay, John**, USDA-Economic Research Service: 1072, 1079
- Bowman, Maria**, USDA-Economic Research Service: 2001
- Boyer, Christopher**, University of Tennessee: 99
- Boyle, Kevin**, Virginia Tech: 186, 1057
- Boys, Kathryn**, North Carolina State University: 1067, 1079, 2008, 2038, 2061
- Bozic, Marin**, University of Minnesota : 120, 1079
- Brady, Michael**, Washington State University: 2030, 2077
- Bravo-Ureta, Boris**, University of Connecticut: 2039, 2089
- Brenton, Paul**, World Bank: 2096
- Briggeman, Brian**, Kansas State University: 2067
- Brimlow, Jacob**, California State University, Chico: 2084
- Brinkman, Blondel**, USDA-Animal and Plant Health Inspection Service: 1039
- Brockhaus, Jan**, University of Bonn: 1047
- Brooks, Karen**, International Food Policy Research Institute/ PIM: 1041
- Brooks, Kathleen**, University of Nebraska-Lincoln: 101, 144
- Brorsen, Wade**, Oklahoma State University: 33, 67, 2012, 2016, 2051
- Broussard, Nzinga**, USDA-Economic Research Service: 2087
- Brown, Anna**, Idaho State University: 1021
- Brown, Derick**, RTI International: 1081
- Brown, Jason**, Federal Reserve Bank of Kansas City: 2011
- Brown, Rachael**, University of Kentucky: 15
- Brown, Scott**, University of Missouri: 2018
- Brown, Thomas**, Forest Service: 59
- Brown, Zachary**, North Carolina State University: 2056
- Brozovic, Nicholas**, University of Illinois at Urbana-Champaign: 1062, 2053
- Brucal, Arlan Zandro**, University of Hawaii at Manoa: 2027
- Bruce, Amanda**, University of Missouri-Kansas City: 2076
- Bryant, Henry**, Texas A&M University: 2041
- Buck, Steven**, University of California, Berkeley: 2062
- Bullock, David**, University of Illinois at Urbana-Champaign: 144, 1075
- Bulte, Erwin**, Wageningen University: 1048, 2006
- Burney, Shaheer**, University of Kentucky: 113, 1071
- Burns, Christopher**, University of Massachusetts Amherst: 1005, 1035, 2034
- Burton, Michael**, University of Western Australia: 2056
- Busby, Gwen**, Greenwood Resources: 80
- Busch, Jonah**, Conservation International: 1062
- Buthe, Tim**, Duke University: 1011
- Byrd, Elizabeth**, Purdue University: 72
- Cacchiarelli, Luca**, University of Tuscia – Viterbo: 98
- Cadot, Julien**, ISG Paris: 1004
- Cai, Xiaowei**, California Polytechnic State University, San Luis Obispo: 1081
- Cai, Yongxia**, RTI International: 2040
- Cai, Yongyang**, Hoover Institution, Stanford University: 196
- Cakir, Metin**, University of Minnesota: 36, 1043, 2084
- Caldas, Marcellus**, Kansas State University: 16
- Caldwell, Alyssa**, California State University, Chico: 2090
- Calhoun, Kayla**, Center for Disease Control and Prevention: 1007
- Cameron, Trudy Ann**, University of Oregon: 1078
- Campbell, Benjamin**, University of Connecticut: 1003, 1017, 2057, 2084
- Campbell, Robert**, University of Montana: 1046
- Canales Medina, Elizabeth**, Kansas State University: 1012
- Canavari, Maurizio**, University of Bologna: 77, 1069
- Canning, Patrick**, USDA-Economic Research Service: 1003, 1008
- Cao, Jessica**, University of Guelph: 1069, 2099
- Capitani, Daniel Henrique Dario**, University of Campinas: 2041
- Capogrossi, Kristen**, Christensen Associates: 1081
- Capps, Oral**, Texas A&M University: 1067
- Caputo, Vincenzina**, Korea University: 1017, 1063, 1069
- Carletto, Calogero**, World Bank: 1018
- Carpentier, Alain**, INRA: 1012

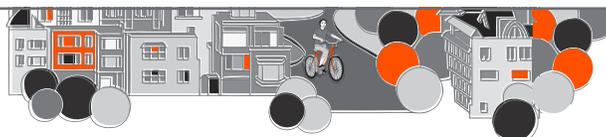


Participant and Author Index

- Carpio, Carlos**, Texas Tech University: 34, 70, 1067, 1081
Carriere, Danielle, Purdue University: 224
Carrion, Vanessa, Virginia Tech: 130
Carroll, Christine, University of California, Davis: 87
Carson, Richard, University of California, San Diego: 1078
Carter, Colin Andre, University of California, Davis: 87
Carter, Michael, University of California, Davis: 2021, 2100
Cash, Sean, Tufts University: 1060, 2043
Cassini, Leonardo, University of Florence: 1063
Castillo, Maria Jose, ESPOL: 2100
Caswell, Julie, University of Massachusetts Amherst: 90, 1072, 1079, 2008
Ceballos, Francisco, International Food Policy Research Institute: 1049
Chaddad, Fabio, University of Missouri: 1004
Chakrabarti, Anwasha, University of Connecticut: 2083
Chamberlin, Jordan, Michigan State University: 1064
Chan, Catherine, University of Hawaii at Manoa: 1026, 1047, 2079
Chandrakanth, MG, University of Agricultural Sciences: 1056
Chang, Ching-Cheng, Academia Sinica: 1051, 2013, 2091
Chang, Sun Joseph, Louisiana State University: 2081
Chapoto, Anrony, Indaba Agricultural Policy Research Institute: 2080
Charlot, Sylvie, INRA-GAEL, Grenoble: 2009
Charlton, Diane, University of California, Davis: 1031
Chaudhry, Anita, California State University, Chico: 2090
Chaudhry, Muhammad Imran, The Ohio State University: 137
Chavez, Daniel, Texas A&M University: 1029
Chembezi, Duncan, Alabama A&M University: 1039
Chen, Chi-Chung, National Chung-Hsing University: 1051, 2013
Chen, Junyi, Texas A&M University: 1051
Chen, Kevin, International Food Policy Research Institute-Beijing: 1038, 2075
Chen, Lei, Beijing Academy of Agriculture and Forestry Sciences: 2069
Chen, Maolong, Michigan State University: 1047
Chen, Shu-Ling, National Taipei University: 2029
Chen, Susan, University of Alabama: 2010
Chen, Tianjie, University of Connecticut: 2042
Chen, Xuan, University of Maine: 174
Chen, Xuqi, University of Florida: 79
Cheng, Xinzhe, University of California, Davis: 1071
Cheptea, Angela, INRA IAW: 1055
Chern, Wen, National Chung Cheng University: 2029
Cherry, J. Bradley, University of Missouri-Kansas City: 2076
Chfadi, Tarik, University of Maryland: 2075
Chibalani, Cletus, Mulungushi University, Kabwe, Zambia: 1026
Chidmi, Benaissa, Texas Tech University: 1009
Chitchumngong, Piyayut, Michigan State University: 1007
Cho, Seong-Hoon, University of Tennessee: 2011
Choe, Young-Chan, Seoul National University: 1047
Choi, Yoon-Young, University of Connecticut: 2082
Chonabayashi, Shun, Cornell University: 2088
Chou, Wan-Jung, APEC Reserach Center fro Typhoon and Society: 2091
Chouinard, Hayley, Washington State University: 66, 1027
Chrest, David, RTI International: 1019
Christiaensen, Luc, World Bank: 1018
Chung, Chanjin, Oklahoma State University: 69
Ciaian, Pavel, European Commission, IPTS - JRC: 1003
Cisse, Jennifer, Cornell University: 2004
Claassen, Roger, USDA-Economic Research Service: 194, 1025, 2066
Clark, Christopher, University of Tennessee: 3, 12, 47, 99, 1025
Clark, Jennifer, University of Florida: 1052
Clarke, Daniel, World Bank: 2100
Clary, Cynda, Oklahoma State University: 2079
Clay, Daniel, Michigan State University: 27
Clay, David, South Dakota State University: 168
Coatney, Kalyn, Mississippi State University: 2006
Coats, Ellen, University of Georgia: 1053
Coble, Keith, Mississippi State University: 1059, 1066, 2017
Cobourn, Kelly, Virginia Tech: 1070, 2023, 2078
Cochrane, Nancy, USDA-Economic Research Service: 136
Cohen, Alexander, Purdue University: 159
Colarusso, Samantha, University of Massachusetts Amherst: 2008
Colby, Bonnie, University of Arizona: 2078

Participant and Author Index

- Colen, Liesbeth**, European Commission-JRC-IPTS: **1003**
- Colin-Castillo, Sergio**, Centro de Estudios Socio Economicos (CISE): **205**
- Collie, Samuel**, Colorado State University: **1056**
- Colson, Gregory**, University of Georgia: **195, 1001, 1007, 1028, 1053, 1072, 1077, 2058, 2076**
- Conner, David**, University of Vermont: **1080, 2048**
- Connolly, Cristina**, The Ohio State University: **2057**
- Contreras, Sandra**, Kansas State University: **127**
- Cook, Jonathan**, Nexant: **2027**
- Cook, Joseph**, University of Washington: **2077**
- Cook, Michael**, University of Missouri: **1004, 1006**
- Cooper, Bethany**, La Trobe University: **2028, 2056**
- Cooper, Joseph**, USDA-Economic Research Service: **86, 2034**
- Copeland, Alicia**, Texas A&M University: **2032**
- Cordero Salas, Paula**, University of Alabama: **2010**
- Cordes, Sam**, Purdue University: **2022**
- Corral, Carolina**, JPAL: **2021**
- Corral, Paul**, American University: **1018**
- Corrigan, Jay**, Kenyon College: **2076**
- Costa, Rafael**, AgriLogic: **2032**
- Costanigro, Marco**, Colorado State University: **1063, 2077**
- Couture, Stephane**, INRA: **217**
- Cowan, Benjamin**, Washington State University: **110, 177**
- Cowley, Cortney**, Oklahoma State University: **2012**
- Crago, Christine Lasco**, University of Massachusetts Amherst: **56, 1058**
- Crane, Laurence**, National Crop Insurance Services Inc: **1039**
- Crase, Lin**, Centre for Water Policy and Management, La Trobe University: **2028, 2056**
- Crawford, Terry**, New Mexico State University: **2073**
- Crespi, John**, Kansas State University: **2076**
- Criner, George**, University of Maine: **174**
- Cromartie, John**, USDA-Economic Research Service: **1044**
- Crost, Benjamin**, University of Illinois at Urbana-Champaign: **1010**
- Cuffey, Joel**, University of Minnesota: **1071**
- Cureton, Colin**, University of Minnesota: **1022**
- Curtis, Kynda**, Utah State University: **1040**
- Czajkowski, Jeffrey**, University of Pennsylvania: **2053**
- Czekaj, Tomasz**, University of Copenhagen: **2013**
- Dahlgran, Roger**, University of Arizona: **2041**
- Dai, Jiawu**, China Agricultural University: **2055**
- Danforth, Diana**, University of Arkansas: **2007**
- Daniels, Mike**, University of Arkansas: **227**
- Darko, Francis**, Purdue University: **125**
- Davis, Alison**, University of Kentucky: **113, 2022**
- Davis, Christopher**, USDA-Economic Research Service: **1049, 2073**
- Davis, George**, Virginia Tech: **1035, 2035**
- De Gorter, Harry**, Cornell University: **1061**
- De Groot, Henri**, Vrije Universiteit: **2042**
- De Sousa, José**, Université of Paris-Sud: **1055**
- Deininger, Klaus**, World Bank: **1038**
- Del Ninno, Carlo**, World Bank: **1054**
- Delgado, Amy**, USDA-Animal and Plant Health Inspection Service: **81**
- Delgado, Michael**, Purdue University: **46, 1034, 2092**
- Deller, Steven**, University of Wisconsin: **1080, 2022**
- Delwaide, Anne-Ceclie**, University of Arkansas: **2007**
- Demko, Iryna**, The Pennsylvania State University: **1008, 2009**
- Dentoni, Domenico**, Wageningen University: **1026, 1047**
- Deom, C. Michael**, University of Georgia: **2089**
- Depetris Chauvin, Nicolas**, Haute école de gestion de Genève: **1083**
- Depositario, Dinah Pura**, University of Philippines: **1029**
- Descieux, Katie**, Appalachian Sustainable Agriculture Project: **70**
- DeShazo, J.R.**, University of California, Los Angeles: **1078**
- DeSutter, Thomas**, North Dakota State University: **168**
- Devadoss, Stephen**, University of Idaho: **103, 2038, 2073**
- Devuyst, Eric**, Oklahoma State University: **1023, 2012**
- Dharmasena, Senarath**, Texas A&M University: **25, 1067, 2032, 2084**
- Dhingra, Neeraj**, North Dakota State University: **1025**
- Diaz, Jorge**, Universidad Rey Juan Carlos: **149**
- Dicken, Christopher**, USDA-Economic Research Service: **1028**
- Dickinson, Katherine**, University of Colorado Boulder: **2056**
- Dicks, Michael**, American Veterinary Medical Association: **40, 1065**
- Ding, Jinxiu**, Xiamen University: **2088**
- Disdier, Anne-Célia**, INRA: **1055, 2061**

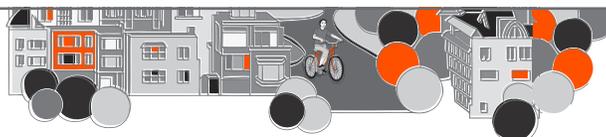


Participant and Author Index

- Divita, Frank**, Abt Associates Inc.: 218
- Dixon, Bruce**, University of Arkansas: 132, 2007
- Djuric, Ivan**, Leibniz Institute of Agricultural Development in Transition Economies: 2029
- Dobis, Elizabeth**, Purdue University: 2092
- Doering, Otto**, Purdue University: 1039
- Dong, Fengxia**, University of Wisconsin: 173
- Dong, Michell**, World Bank: 1083
- Dorfman, Jeffrey**, University of Georgia: 188, 190, 1001
- Dorn, Jonathan**, Abt Associates Inc.: 218
- Dowell Lashmet, Tiffany**, Texas A&M University: 1037
- Doye, Damona**, Oklahoma State University: 9
- Dozier, Andre**, Colorado State University: 2077
- Dridi, Chokri**, University of Valenciennes: 2009
- Dries, Liesbeth**, Wageningen University: 1026
- Drysdale, Krystal**, Kansas State University: 2090
- Du, Xiaodong**, University of Wisconsin: 193
- Duan, Suling**, Oklahoma State University: 67
- Duangnate, Kannika**, Texas A&M University: 1070
- Dumortier, Jerome**, IUPUI: 1030, 2011
- Dundas, Steven**, North Carolina State University: 1078
- Dunn, Paul**, University of Louisiana at Monroe: 2079
- Duquenois, Claire**, University of Colorado Denver: 1010
- Durand-Morat, Alvaro**, University of Arkansas: 178, 2076
- Duvaleix-Treguer, Sabine**, Agrocampus Ouest: 2033
- Eales, James**, Purdue University: 2011, 2029
- Economos, Christina**, Tufts University: 1060
- Edwards, Seanicaa**, USDA-Economic Research Service: 2012
- Effland, Anne**, USDA-Economic Research Service: 2034
- EL Mechry, El Koudouss**, Fordham University: 139
- Elbakidze, Levan**, University of Idaho: 1029
- Elleby, Christian**, University of Copenhagen: 2085
- Elliott, Lisa**, South Dakota State University: 96, 2009
- Elliott, Matthew**, South Dakota State University: 96, 2009
- Ellison, Brenna**, University of Illinois at Urbana-Champaign: 2005, 2074, 2099
- Elskamp, Rebecca**, University of Guelph: 2006
- Embaye, Weldensie**, Kansas State University: 135
- Emlinger, Charlotte**, CEPII: 1055, 2061
- Englin, Jeffrey**, Arizona State University: 48
- English, Burton**, University of Tennessee: 3, 12, 99
- English, Leah**, University of Arkansas: 220
- Er, Emrah**, Kansas State University: 2066
- Erickson, Kenneth**, USDA-Economic Research Service: 5
- Erickson, Matt**, Senate Agricultural Committee: 1016
- Eryilmaz, Derya**, University of Minnesota: 2080
- Escalante, Cesar**, University of Georgia: 2, 114, 1005
- Eskander, Shaikh**, University of Wyoming: 1025
- ESPINOSA, Maria**, European Commission-JRC-IPTS: 1003
- Estabrooks, Paul**, Virginia Tech: 1035
- Etienne, Xiaoli**, West Virginia University: 1070, 2055, 2082
- Evans, Nicole**, University of Hawaii at Manoa: 1026
- Eyer, Jonathan**, North Carolina State University: 1024, 2027
- Fackler, Paul**, North Carolina State University: 214
- Faig, Amanda**, University of California, Davis: 1074
- Fain, James**, Oklahoma State University: 2051
- Fairbanks, Dean HK**, California State University, Chico: 2090
- Fajardo-Gonzalez, Johanna**, University of Minnesota: 1083
- Fan, Linlin**, University of Illinois at Urbana-Champaign: 1053
- Fan, Qin**, California State University, Fresno: 134, 2037
- Fan, Shenggen**, International Food Policy Research Institute: 2093
- Fan, Xiaoli**, Cornell University: 153, 1022
- Fan, Yubing**, University of Missouri: 2040
- Fang, Di**, Arizona State University: 1049
- Fang, Xiangming**, China Agricultural University: 2059
- Fannin, James**, Louisiana State University: 170, 1021, 2022
- Farnsworth, Derek**, University of Florida: 2034
- Fatema, Naureen**, McGill University: 123, 129
- Featherstone, Allen**, Kansas State University: 175, 1057, 2064
- Feenstra, Gail**, University of California, Davis: 2048
- Felter, Joseph**, Stanford University: 1010
- Femenia, Fabienne**, INRA: 1012
- Feng, Hongli**, Iowa State University: 1025
- Fernandez, Linda**, Virginia Commonwealth University: 2011
- Fernandez-Cornejo, Jorge**, USDA-Economic Research Service: 1033
- Ferraro, Paul J.**, Georgia State University: 2066
- Ferrell, Shannon**, Oklahoma State University: 1037
- Ferrier, Peyton**, USDA-Economic Research Service: 1079

Participant and Author Index

- Ferris, John**, Michigan State University: 2071
Feuz, Dillon, Utah State University: 2055
Fischer, Bart, US House of Representatives: 1016
Fitzgerald, Timothy, Montana State University: 2011
Fitzpatrick, Katie, Seattle University: 111
Fitzsimmons, Jill, University of Massachusetts: 98
Flatnes, Jon, University of California, Davis: 2100
Fleming, Patrick, University of Maryland: 1076
Fletcher, Jerald, West Virginia University: 1046
Florax, Raymond, Purdue University: 1034, 2042, 2092
Flores, Lisa, University of Missouri: 222
Flory, Jeffrey, Claremont McKenna College: 2004
Foltz, Jeremy, University of Wisconsin: 162, 2059
Fonsah, Esendugue, University of Georgia: 1077
Fooks, Jacob, University of Delaware: 61
Foster, Kenneth, Purdue University: 141
Fouré, Jean, CEPPI: 2061
Fowlie, Meredith, University of California, Berkeley: 2027
Fox, John, Kansas State University: 1029
Franken, Jason, Sam Houston State University: 1004
Frasier, W. Marshall, Colorado State University: 2070
Freeman, Matthew, Mississippi State University: 1062
Frisvold, George, University of Arizona: 1065
Fry, William, Cornell University: 2030
Fu, Shengfei, University of Georgia: 1057
Fuglie, Keith, USDA-Economic Research Service: 1056, 2040
Fulginiti, Lilyan, University of Nebraska: 45, 182
Fuller, Kate B., Montana State University: 1008
Fulton, Joan, Purdue University: 72
Funk, Samuel, United Soybean Board - SmithBucklin: 2025
Gagné, Carl, INRA: 1055, 2033
Gale, Fred, USDA-Economic Research Service: 88, 2050, 2073
Galinato, Gregmar, Washington State University: 110, 207, 209, 1046
GalindoPardo, Camila, World Bank: 1018
Gallagher, Justin, Case Western Reserve: 2058
Gallardo, Karina, Washington State University: 74
Gallenstein, Richard, The Ohio State University: 2029
Gao, Jianfeng, Virginia Tech: 213
Gao, Ying, China Agricultural University: 1038
Gao, Zhifeng, University of Florida: 79, 2005
Garapin, Alexis, Université Grenoble Alpes: 2036
Gardebroek, Cornelis, Wageningen University: 2006
Garg, Teevrat, Cornell University: 2027
Garnache, Cloe, Michigan State University: 1062
Ge, Houtian, The Pennsylvania State University: 1008
Gebrezgabher, Solomie, International Water Management Institute: 2083
Geyer, L. Leon, Virginia Tech: 2008
Ghosh, Somali, Texas A&M University: 1067
Ghosh, Sujit, North Carolina State University: 1035
Gibson, Mark, Washington State University: 103
Gillespie, Jeffrey, Louisiana State University: 2012
Gine, Xavier, World Bank: 2021
Gitter, Seth, Towson University: 1083
Glauben, Thomas, Leibniz Institute of Agricultural Development in Transition Economies : 2029
Glauber, Joseph, USDA-Office of the Chief Economist: 2017
Goddard, Ellen, University of Alberta: 1023, 2097
Goemans, Christopher, Colorado State University: 59, 2062, 2077
Goeringer, Leo, University of Maryland: 1037
Goetz, Linde, Leibniz-Institute for Agricultural Development in Middle and Eastern Europe: 1067, 2029
Goetz, Stephan, The Pennsylvania State University: 1008, 1044, 2022, 2042, 2092
Golub, Alla, Purdue University: 196
Gomez Y Paloma, Sergio, European Commission-JRC_IPTS: 1003
Gomez, Abraham, California State Polytechnic University, Pomona: 19
Gomez, Miguel, Cornell University: 153, 1022, 2057
Gonzalez Ramirez, M. Jimena, Iowa State University: 1025
Gonzalez-Caban, Armando, USDA-Forest Service: 1046
Gonzalez-Vega, Claudio, The Ohio State University: 1054
Gooch, Elizabeth, USDA-Economic Research Service: 2050
Goodhue, Rachael, University of California, Davis: 1003
Goodwin, Barry, North Carolina State University: 32, 1035, 1049, 1055, 1066, 2065
Gopalakrishnan, Sathya, The Ohio State University: 55, 2049
Gotham, Douglas, Purdue University: 2011
Graff, Gregory, Colorado State University: 226

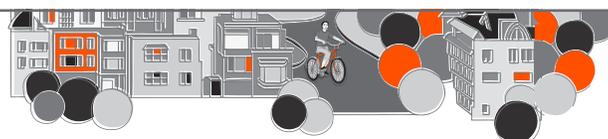


Participant and Author Index

- Graham, Hope**, West Texas A&M University: 1069
- Gramig, Ben**, Purdue University: 72, 1034, 2066
- Granco, Gabriel**, Kansas State University: 16
- Grant, Jason**, Virginia Tech: 1011, 2038, 2061
- Gray, Allan**, Purdue University: 17, 2074, 2095
- Gray, James**, Virginia Tech: 2093
- Gray, Lyn**, IREX Liberia: 2093
- Grebitus, Carola**, Arizona State University: 1017, 1019, 1072, 2005, 2032, 2035, 2043, 2076
- Griffith, Garry**, University of New England: 1023
- Grogan, Kelly**, University of Florida: 164, 1052
- Gruere, Guillaume**, OECD: 2078
- Guan, Zhengfei**, University of Florida: 49, 62, 143, 1011, 1036
- Guelfi, Anita**, World Bank: 1018
- Guerrero, Bridget**, West Texas A&M University: 1069
- Guerrero, Santiago**, Banco de Mexico: 189
- Guettabi, Mouhcine**, University of Alaska: 28
- Guizar, Isai**, Tecnologico de Monterrey: 1054
- Gumirakiza, J Dominique**, Western Kentucky University: 1047
- Gundersen, Craig**, University of Illinois at Urbana-Champaign: 1001, 1053
- Gunderson, Michael**, Purdue University: 2067, 2095
- Guney, Selin**, North Carolina State University: 32, 1049
- Gunn, Patrick**, Iowa State University: 8
- Guo, Changhao**, University of Victoria: 1027
- Guo, Hongdong**, Zhejiang University: 2069
- Guo, Jianxin**, Beijing Academy of Agriculture and Forestry Sciences: 2069
- Gustafson, Christopher**, University of Nebraska-Lincoln: 133, 2058
- Hadrich, Joleen**, Colorado State University: 1020, 2054
- Hagerman, Amy**, USDA-Animal and Plant Health Inspection Service: 81
- Hahn, William**, USDA-Economic Research Service: 1049, 2051
- Hall, Charles**, Texas A&M University: 1017
- Hallahan, Charles**, USDA-Economic Research Service: 5
- Ham, Andres**, University of Illinois at Urbana-Champaign: 1054
- Hamilton, Lynn**, California Polytechnic State University, San Luis Obispo: 2070
- Hamilton, Stephen**, California Polytechnic State University, San Luis Obispo: 1043, 2036, 2043
- Han, Doo Bong**, Korea University: 2082
- Han, Peter**, University of Wisconsin: 162, 2059
- Han, Yicheol**, The Pennsylvania State University: 2042, 2092
- Hanak, Ellen**, Public Policy Institute of California: 2028
- Hanks, Andrew**, The Ohio State University: 1060, 2024, 2045
- Hansen, James**, USDA-Economic Research Service: 88, 136, 1067
- Hansen, Michael**, Consumers Union: 2071
- Hao, Na**, University of Georgia: 1028
- Hardesty, Sherman**, University of California, Davis: 2048
- Hardin, Erin**, Texas A&M University: 2041
- Harou, Aurelie**, Columbia University: 2021
- Harri, Ardian**, Mississippi State University: 2006
- Harris, James**, USDA-Economic Research Service: 5, 10
- Harris, Michael**, USDA-Economic Research Service: 1005
- Harris, Thomas**, University of Nevada, Reno: 176
- Hart, Chad**, Iowa State University: 11, 1068, 2044
- Hart, Jarrett**, University of California, Davis: 1033
- Hartmann, Monika**, University of Bonn: 1060
- Hatzenbuehler, Patrick**, Purdue University: 141
- Hayes, Dermot**, Iowa State University: 31, 1030
- Haynes, Dwayne**, University of Florida: 2068
- He, Chenyi**, University of Florida: 2005, 2092
- He, Jen**, University of Maryland: 37
- He, Lixia**, University of Tennessee: 99
- He, Xi**, University of Connecticut: 2084
- Heboyan, Vahe**, University of South Carolina: 38
- Hecht, Stefanie**, University of Bonn: 1060
- Heckelei, Thomas**, University of Bonn: 1006
- Heerman, Kari**, USDA-Economic Research Service: 2013, 2061
- Helfand, Steven**, University of California, Riverside: 2013
- Hellwinkcel, Chad**, University of Tennessee: 3
- Hendricks, Nathan**, Kansas State University: 91, 2066, 2090
- Hennessy, David**, Iowa State University: 184, 1025
- Henning, Christian**, University of Kiel: 2035, 2092
- Henningsen, Arne**, University of Copenhagen: 2013

Participant and Author Index

- Henson, Spencer**, University of Guelph: **2085**
- Herath, Deepananda**, Agriculture and Agri-Food Canada: **21**
- Herd, Robert**, Cornell University: **1054**
- Hering, Imke**, Georg-August-Universität Göttingen: **2014**
- Hernandez, Manuel**, International Food Policy Research Institute: **1049**
- Hernandez-Aguilera, Juan Nicolas**, Cornell University: **2057**
- Hertel, Thomas**, Purdue University: **196, 1013, 1014, 2040, 2053, 2090**
- Hettich, Rachel**, Purdue University: **203**
- Higgins, Lindsey**, California Polytechnic State University, San Luis Obispo: **2020**
- Hill, Alexandra**, University of California, Davis: **194**
- Hill, Jennie**, Virginia Tech: **1053**
- Hill, Ruth**, World Bank: **2100**
- Hirsch, Stefan**, University of Bonn: **121**
- Hite, Diane**, Auburn University: **1046**
- Hjort, Kim**, Economic Analysis Systems: **146, 1067**
- Ho, Shuay-Tsyr**, Cornell University: **71**
- Hoang, Hoa**, University of Missouri: **112**
- Hoddinott, John**, International Food Policy Research Institute: **1054**
- Hoehn, John**, Michigan State University: **78**
- Hoffman, Linwood**, USDA-Economic Research Service: **2055**
- Hoffmann, Sandra**, USDA-Economic Research Service: **1009, 1079, 2008, 2075**
- Holderiath, Jason**, Colorado State University: **100**
- Holland, Benedict**, Clark University: **2031**
- Holland, Steven**, Luther College: **1008**
- Holmes, Thomas**, USDA Forest Service: **48, 1046**
- Homan, Sheng**, Purdue University: **166**
- Hoolihan, Courtney**, University of Minnesota: **1022**
- Horan, Richard**, Michigan State University: **199, 1007, 1062**
- Hossain, Marup**, University of Florida: **2014**
- House, Lisa**, University of Florida: **79, 2016**
- Hovhannisyian, Vardges**, University of Minnesota: **38, 120**
- Howard, Gregory**, East Carolina University: **1063**
- Howard, Peter**, Institute for Policy Integrity: **1007**
- Howitt, Richard**, University of California, Davis: **2003, 2028, 2077, 2078**
- Howry, Sierra**, University of Wisconsin-River Falls: **1082, 2047**
- Hoyt, Eric**, University of Massachusetts Amherst: **98**
- Hrdlicka, Megan**, Georgetown University: **1072**
- Hsu, Shih-Hsun**, National Taiwan University: **1051, 2091**
- Hu, Chaoran**, Michigan State University: **1038**
- Hu, Jiliang**, Chinese Academy of Sciences: **1047**
- Hu, Wu-Yueh**, National Chung Hsing University, Taiwan: **2013, 2036**
- Hu, Wuyang**, University of Kentucky: **1038, 1072, 2005, 2032, 2069, 2083, 2099**
- Huang, Jikun**, Chinese Academy of Sciences: **1047, 2050, 2057, 2089**
- Huang, Jin**, Abt Associates Inc.: **218**
- Huang, Ling**, University of Connecticut: **2082**
- Huang, Pei**, Texas A&M University: **180**
- Huang, Qiuqiong**, University of Arkansas: **158, 161, 1025**
- Huang, Yu-Chia**, National Taiwan University: **2091**
- Hudak, Michael**, Iowa State University: **1068**
- Hudson, Michael**, Texas Tech University: **1015**
- Huettel, Silke**, University Rostock: **2081**
- Huffman, Wallace**, Iowa State University: **1031**
- Hughes, David**, University of Tennessee: **1021, 1080**
- Hungerford, Ashley**, USDA-Economic Research Service: **1015, 1077**
- Hunter, Elizabeth**, University of Massachusetts Amherst: **56**
- Hurley, Terrance**, University of Minnesota: **1033**
- Ibendahl, Gregory**, Kansas State University: **1039**
- Ifft, Jennifer**, Cornell University: **2081**
- Iftekhhar, Md Sayed**, University of Western Australia: **1014**
- Imamverdiyev, Nizami**, IAMO - Agricultural Markets, Marketing and World Agricultural Trade: **145**
- Imbens, Guido**, Stanford University: **2072**
- Inoue, Ryosuke**, The University of Tokyo: **223**
- Interis, Matthew**, Mississippi State University: **1078**
- Irhamni, Milda**, Applied Economics: **2086**
- Irwin, Elena**, The Ohio State University: **82, 2026**
- Irwin, Scott**, University of Illinois at Urbana-Champaign: **1066**
- Ishdorj, Ariun**, Texas A&M University: **2033**
- Ishida, Kazuyoshi**, Texas Tech University: **140**
- Ito, Shoichi**, Kyushu University: **2082**
- Jablonski, Becca**, Colorado State University: **1021, 1080**
- Jacobs, Keri**, Iowa State University: **29, 2067**

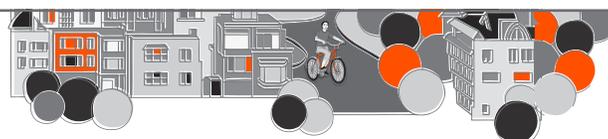


Participant and Author Index

- Jaenicke, Edward**, The Pennsylvania State University: 225, 1008
- James, Harvey**, University of Missouri: 2045
- Jang, Heesun**, University of Wisconsin: 193
- Jang, Ju Won**, Texas A&M University: 2033
- Janssen, Larry**, South Dakota State University: 96, 1032, 2030
- Janzen, Joseph**, Montana State University: 76, 2055
- Janzen, Sarah**, Montana State University: 1073, 2006
- Jara-Rojas, Roberto**, University of Talca, Chile: 2039
- Jarrad, Maya**, Reed College: 2049
- Jayne, Thomas**, Michigan State University: 1064, 2080
- Jeffrey, Scott**, University of Alberta: 2081
- Jelliffe, Jeremy**, University of Connecticut: 2089
- Jensen, Helen**, Iowa State University: 1060, 2043, 2075
- Jensen, Kimberly**, University of Tennessee: 3, 47
- Jensen, Leif**, The Pennsylvania State University: 1044
- Jensen, Nathaniel**, Cornell University: 2100
- Jewison, Michael**, Office of the Chief Economist: 2073
- Ji, Chen**, Zhejiang University: 2069
- Ji, Yongjie**, Iowa State University: 1076
- Jin, Shaosheng**, Zhejiang University: 2069
- Jin, Songqing**, Michigan State University: 131, 1038, 2069
- Jo, Young**, University of Illinois: 2014
- Jogo, Wellington**, International Potato Center: 128
- Johnson, Kamina**, USDA-Animal and Plant Health Inspection Service: 75, 171, 2054
- Johnson, Simone**, University of Georgia: 2058
- Johnson, Stanley**, National Center for Food and Agricultural Policy: 40
- Johnson, Thomas**, University of Missouri: 1061
- Johnston, Robert**, Clark University: 2031, 2042, 2049
- Jolliffe, Dean**, World Bank: 2010
- Jordan, Jeffrey**, University of Georgia: 28, 116, 1009
- Joseph, Laura**, Cornell University: 2030
- Joseph, Siny**, Kansas State University Salina: 2015
- Josling, Timothy**, Stanford University: 2096
- Juarez-Torres, Miriam**, Banco de Mexico: 189
- Jung, Jinho**, Purdue University: 2053, 2064
- Jung, Suhyun**, University of Minnesota: 94
- Juraqulova, Zarrina**, Washington State University: 2023
- Just, David**, Cornell University: 1060, 1061, 2016, 2045, 2091
- Kadjo, Didier**, Purdue University: 2037
- Kaffine, Daniel**, University of Colorado Boulder: 2027
- Kafle, Kashi**, University of Illinois at Urbana-Champaign: 126, 2010
- Kahl, Kendall**, University of Idaho: 7
- Kaiser, Harry**, Cornell University: 97
- Kajisa, Kei**, IRRI: 2004
- Kakuhenzire, Rogers**, International Potato Center: 2004
- Kalkuhl, Matthias**, University of Bonn: 1047, 2029, 2057
- Kaminski, Jonathan**, World Bank: 2040
- Kan, Iddo**, Hebrew University of Jerusalem: 2040
- Kanza, Patrick**, Oklahoma State University: 1003
- Kapphan, Ines**, Climate Corp: 1059
- Karali, Berna**, University of Georgia: 42, 190
- Karanikolas, Pavlos**, Agricultural University of Athens: 1003
- Karns, Shawn**, RTI International: 1019, 1081
- Katare, Bhagyashree**, University of Minnesota: 58
- Katewa, Benny**, Mulungushi University, Kabwe, Zambia: 2033
- Katjiuongua, Hikuepi**, International Livestock Research Institute: 1006
- Katuwal, Hari**, University of Montana: 1007
- Kauffman, Nathan**, Federal Reserve Bank - Omaha Branch: 1020, 1030
- Kawasaki, Kentaro**, PRIMAFF: 1033
- Kay, David**, Cornell University: 1021
- Kazianga, Harounan**, Oklahoma State University: 1073
- Kecinski, Maik**, University of Delaware: 57
- Kehlbacher, Ariane**, University of Reading: 2029
- Kenkel, Philip**, Oklahoma State University: 2067
- Kennedy, P. Lynn**, Louisiana State University: 2068
- Ker, Alan**, University of Guelph: 2065
- Kersbergen, Richard**, University of Maine: 174
- Key, Nigel**, USDA-Economic Research Service: 206, 1076, 2034
- Khachatryan, Hayk**, University of Florida: 143, 1017
- Khan Chowdhury, Nazea**, North Dakota State University: 168
- Khan, Farid**, Curtin University: 2063
- Khanna, Madhu**, University of Illinois at Urbana-Champaign: 44, 1014, 2064

Participant and Author Index

- Khanna, Neha**, Binghamton University: 46
- Kibriya, Shahriar**, Conflict and Development Center: 123, 129, 1048, 1051, 2087
- Kiesel, Kristin**, California State University, Sacramento: 63
- Kilkenny, Maureen**, National Center for Food and Agricultural Policy: 40
- Kim, C. S.**, USDA-Economic Research Service: 1056
- Kim, Hyun Jae**, Korea Energy Economics Institute: 2011
- Kim, Hyungkwan**, Purdue University: 2011
- Kim, Man-Keun**, Utah State University: 1027, 2055
- Kim, Sanghyo**, The Ohio State University: 89
- Kim, SeonWoong**, Oklahoma State University: 33
- Kim, So Hyun**, Seoul National University: 1047
- Kim, Taehoo**, Utah State University: 1027
- Kim, Taeyoung**, University of Tennessee: 2011
- Kimhi, Ayal**, Hebrew University: 2040
- King, Robert**, University of Minnesota: 1022, 2048
- Kirimi, Lilian**, Tegemeo Institute: 138
- Kirwan, Barrett**, University of Illinois at Urbana-Champaign: 2005
- Klaiber, Allen**, The Ohio State University: 55, 1034, 1078, 2057
- Kleemans, Marieke**, University of California, Berkeley: 2060
- Kling, Catherine**, Iowa State University: 1025, 2026
- Klose, Steven**, Texas A&M University: 18, 1016, 1039
- Klotz, Richard**, Cornell University: 1058
- Knight, Thomas**, Texas Tech University: 1015
- Knoblauch, Wayne**, Cornell University: 1079
- Kolodinsky, Jane**, University of Vermont: 1019, 2024, 2086
- Kolstoe, Sonja**, University of Oregon: 1078
- Kompaniyets, Lyudmyla**, Washington State University: 1005
- Kondo, Takumi**, Hokkaido University: 108
- Koontz, Stephen**, Colorado State University: 2051
- Kostadini, Genti**, University of Georgia: 1077
- Koutchade, Obafemi Philippe**, INRA / SMART-LERICO: 1012
- Kovacs, Kent**, University of Arkansas: 200, 1014
- Kovarik, Chiara**, International Food Policy Research Institute: 187, 2046
- Kragt, Marit Ellen**, University of Western Australia: 1
- Kreitmair, Ursula**, Indiana University: 60
- Kriesel, Warren**, University of Georgia: 1007
- Krishna, Vijesh**, Georg-August-Universität Göttingen: 1003
- Kristjanson, Patricia**, International Food Policy Research Institute: 2046
- Kroll, Stephan**, Colorado State University: 59
- Krumel, Thomas**, University of Minnesota: 202
- Kuchler, Fred**, USDA-Economic Research Service: 2001
- Kuethe, Todd**, University of Illinois at Urbana-Champaign: 1020, 1027
- Kuhns, Annemarie**, USDA-Economic Research Service: 1028
- Kumar, Neha**, International Food Policy Research Institute: 2087
- Kurkalova, Lyubov**, North Carolina A&T State University: 1035, 1075
- Kusunose, Yoko**, University of Kentucky: 2060, 2087
- Kuwayama, Yusuke**, Resources for the Future: 1062, 2090
- Kuzilwa, Joseph**, Mzumbe University, Tanzania: 2013
- Kwikiriza, Norman**, International Potato Center: 128, 2004
- Labarta, Ricardo**, International Center for Tropical Agriculture: 1010
- Laborde, David**, International Food Policy Research Institute: 1045
- Lachaud, Michee**, University of Connecticut: 2039
- Laderach, Peter**, International Center for Tropical Agriculture: 1010
- Lai, Cynthia**, University of Hawaii at Manoa: 1047
- Lai, Wangyang**, The Ohio State University: 2004
- Lambert, Dayton**, University of Tennessee: 3, 47, 99, 1025, 2042
- Landes, Maurice**, USDA-Economic Research Service: 2096
- Landry, Craig**, University of Georgia: 2031
- Langemeier, Michael**, Purdue University: 2030
- Langpap, Christian**, Oregon State University: 2066
- Larkin, Sherry**, University of Florida: 1074
- Larsen, Ryan**, North Dakota State University: 6, 1020
- Larson, James**, University of Tennessee: 3, 12
- Latacz-Lohmann, Uwe**, University of Kiel: 1014
- Latane, Annah**, RTI International: 2088
- Latouche, Karine**, INRA: 1055
- Lawal, Justina**, Cocoa Research Institute of Nigeria: 2091
- Lee, Daegoon**, Washington State University: 177
- Lee, David**, Cornell University: 1073

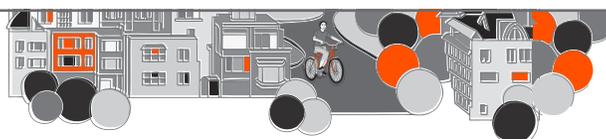


Participant and Author Index

- Lee, Deishin**, Boston College: 1022
Lee, Eunhee, Korea University: 2082
Lee, Ji Yong, Kansas State University: 1029
Lee, John, USDA-Economic Research Service/Mississippi State University: 2025, 2045
Lee, John, Purdue University: 72
Lee, Jung Min, Oklahoma State University: 69
Lee, Sang Hyeon, Korea Rural Economic Institute: 68
Lee, Yoo Hwan, Colorado State University: 226, 1013
Lee, Yu Na, University of Minnesota: 2091
Lefgren, Lars, Brigham Young University: 2069
Legras, Sophie, CESAER, INRA-AgroSup Dijon: 198
Lehan, Benjamin, California State Polytechnic University, Pomona: 19
Lehnerd, Megan, Tufts University: 1060
Leibtag, Ephraim, USDA-Economic Research Service: 1071
Leister, Amanda, Colorado State University: 2085
Lemarie, Stephane, INRA: 2009
Lence, Sergio, Iowa State University: 172, 1005, 1012, 1068
Leonard, Rogers, Louisiana State University: 2022
Leschewski, Andrea, Michigan State University: 1028
Leuveld, Koen, Wageningen University: 2006
Lev, Larry, Oregon State University: 2048
Levin, David, USDA-Economic Research Service: 1081
Lewin, Paul, University of Idaho: 1021
Lewis, Karen, University of Tennessee: 1019, 1072
Li, Huijun, Ranger College: 157
Li, Kai, Zhejiang University: 2069
Li, Xianghong, Kansas State University: 122
Li, Xiaofei, University of Georgia: 2
Li, Xiaogu, University of Tennessee: 47
Li, Xun, Wuhan University: 2032, 2055
Li, Yingbo, Clemson University: 1003
Li, Yiting, The Ohio State University: 215
Li, Ziran, Iowa State University: 31
Liang, Chyi-Lyi, University of Vermont: 2079
Liao, Kenneth, Iowa State University: 1030
Liaukonyte, Jura, Cornell University: 97, 2036
Lichtenberg, Erik, University of Maryland: 1033, 1046, 1072
Lilja, Nina, Kansas State University: 135
Lim, Jinsoo, The Ohio State University: 89
Lim, Kar Ho, Korea University: 2005, 2032
Lin, Biing-Hwan, USDA-Economic Research Service: 1019, 1053
Lin, C.-Y. Cynthia, University of California, Davis: 87, 2027
Lin, Yan, South Dakota State University: 2009
Lin, Yo-Chen, National Chung Hsing University, Taiwan: 2036
Litzenberg, Kerry, Texas A&M University: 2020
Liu, Andrew, Purdue University: 2011
Liu, Fangge, Iowa State University: 179
Liu, Kang Ernest, National Chung Cheng University: 2029
Liu, Pan, Texas A&M University: 2084
Liu, Pengfei, University of Connecticut: 51, 1007
Liu, Shen, The University of Georgia: 195
Liu, Shouying, Development Research Group of the State Council: 1038
Liu, Xianglin, The Ohio State University: 1077
Liu, Yangxuan, Purdue University: 2030
Liu, Yizao, University of Connecticut: 1017, 2082, 2084
Liu, Yong, University of Guelph: 2065
Liu, Yuhang, Purdue University: 65
Liu, Yumei, China Agricultural University: 2004
Liu, Zheng, Yunnan University of Finance and Economics: 1046
Liverpool-Tasie, Saweda, Michigan State University: 1050, 1018, 2089
Livy, Mitchell, The Ohio State University: 55
Llewellyn, Rick, CSIRO, Australia: 1
Lobell, David, Stanford University: 2019
Lombard, Jason, USDA-Animal and Plant Health Inspection Service: 2054
Loomis, John, Colorado State University: 1046
Lopez Barrera, Emiliano, North Dakota State University: 1084
Lopez, Rigoberto, University of Connecticut: 1067, 2032, 2084
Louhichi, Kamel, European Commission, Institute for Prospective Technological Studies: 1003
Loureiro, Maria, University de Santiago de Compostela: 2076
Luckstead, Jeff, University of Arkansas: 103, 132
Luitel, Kishor, Texas Tech University: 1015
Luo, Ji, Texas A&M University: 2038
Luo, Tianyuan, University of Georgia: 114
Lupi, Frank, Michigan State University: 53, 2026

Participant and Author Index

- Lusk, Jayson**, Oklahoma State University: 24, 101, 1063, 2012, 2045, 2071, 2076
- Lutes, Jennifer**, University of Arkansas: 2030
- Lutz, Nancy**, National Science Foundation: 2025
- Lybbert, Travis**, University of California, Davis: 210, 2021
- Lynch, Brendan**, University of Adelaide & CSIRO: 1
- Lynch, Loretta**, USDA-Economic Research Service: 2001
- Lynes, Melissa**, Kansas State University: 2064
- Ma, Wanglin**, Department of Food Economics and Consumption Studies: 2057
- Maas, Alexander**, Colorado State University: 59, 2062, 2077
- MacDonald, James**, USDA-Economic Research Service: 1002
- MacEwan, Duncan**, ERA Economics: 2003, 2028, 2077
- MacEwan, Joanna**, Precision Health Economics: 2097
- MacLachlan, Matthew**, University of California, Davis: 214
- Madajewicz, Malgosia**, Columbia University: 2021
- Madurapperuma, Buddhika**, Humboldt State University: 1025
- Maertens, Annemie**, University of Pittsburgh: 1032
- Mafimisebi, Taiwo**, The Federal University of Technology, Akure, Nigeria: 1026, 2033
- Magalhaes, Marcelo**, University of California, Riverside: 2013
- Magnan, Nicholas**, University of Georgia: 156, 1073, 2006
- Maguire, Karen**, Oklahoma State University: 2064
- Mahaffey, Harrison**, Purdue University: 2007
- Mahajan, Aprajit**, University of California, Berkeley: 2021
- Mahdu, Omchand**, Virginia Tech: 2008
- Maher, Joseph**, University of Maryland: 1013, 1036
- Maiga, Eugenie**, Université de Koudougou: 1018, 2010
- Makriyannis, Christos**, Clark University: 2049
- Malapit, Hazel**, International Food Policy Research Institute: 187
- Malcolm, Scott**, USDA-Economic Research Service: 1075
- Malladi, Sasidhar**, USDA-Animal and Plant Health Inspection Service: 75
- Mallory, Mindy**, University of Illinois at Urbana-Champaign: 2037
- Malone, Donald**, Oklahoma State University: 24, 2006, 2016, 2074, 2098
- Mancino, Lisa**, USDA-Economic Research Service: 1001
- Mandal, Bidisha**, Washington State University: 2059
- Manfredo, Mark**, Arizona State University: 2005
- Manjunatha, AV**, Institute for Social and Economic Change, Bangalore: 1056
- Manning, Dale**, Colorado State University: 59, 1056, 2062, 2077
- Mansfield, Carol**, RTI International: 1078
- Mao, Xiaojie**, Wuhan University: 2055
- Mapfumo, Shadreck**, International Finance Corporation: 2100
- Maples, Joshua**, Oklahoma State University: 2016, 2051, 2074, 2098
- Marasteanu, Ioana**, Food and Drug Administration: 225, 1072
- Marathe, Achla**, Virginia Tech: 2093
- Maredia, Mywish**, Michigan State University: 1013
- Marsh, Thomas L.**, Washington State University: 115, 151, 1065
- Marshall, Kandice**, USDA-Economic Research Service: 2001
- Marshall, Maria**, Purdue University: 219, 1026
- Martin, Cesar**, California State Polytechnic University, Pomona: 19
- Martin, Elsa**, CESAER, INRA-AgroSup Dijon: 198
- Martin, Laura**, University of Kansas Medical Center: 2076
- Martin, Philip**, University of California, Davis: 1084
- Martin, William**, World Bank: 1083, 2096
- Martinez, Steve**, USDA-Economic Research Service: 1081
- Mason, Nicole**, Michigan State University: 138, 1006, 2087
- Masters, William**, Tufts University: 1064, 2008
- Mather, David**, Michigan State University: 138
- Mathews, Leah**, University of North Carolina - Asheville: 70, 2070
- Mathieu-Bolh, Nathalie**, University of Vermont: 1019
- Mathur, Aparna**, American Enterprise Institute: 1009
- Matson, James**, Matson Consulting, LLC: 2084
- Matsumoto, Tomoya**, National Graduate Institute for Policy Studies: 131
- Mattos, Fabio**, University of Nebraska-Lincoln: 2033, 2041
- McAlister, Anna**, Michigan State University: 1060, 2043
- McBride, William**, USDA-Economic Research Service: 15
- McCann, Laura**, University of Missouri: 2040
- McCarl, Bruce**, Texas A&M University: 180, 2088
- McCarney, Geoffrey**, Columbia University: 2100
- McCarthy, Whitney**, Winder Farms: 1040
- McCloy, Rachel**, University of Reading: 2029

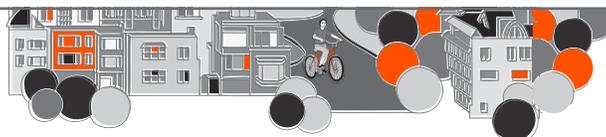


Participant and Author Index

- McCluskey, Jill**, Washington State University: 74, 2023, 2079
- McCullough, Ellen**, Cornell University: 2004
- McElwain, Terry**, Washington State University: 1065
- McFadden, Brandon**, University of Florida: 2076
- McGranahan, David**, USDA-Economic Research Service: 1044
- McKee, Gregory**, North Dakota State University: 2067
- McKendree, Melissa**, Kansas State University: 101, 1067
- Mckinley, Justin**, International Rice Research Institute: 2004
- McLaughlin, Patrick**, University of California, Davis: 119
- McMurtry, Bronc**, South Dakota State University: 2030
- Meade, Birgit**, USDA-Economic Research Service: 2068
- Medwid, Laura**, University of Tennessee: 1025
- Mehlhorn, Joey**, University of Tennessee at Martin: 1082
- Mei, Yingdan**, The Ohio State University: 1046
- Mekonnen, Dawit**, International Food Policy Research Institute: 1030
- Mellor, John**, John Mellor Associates, Inc.: 1064, 2004
- Melo, Grace**, University of Georgia: 93
- Menard, Jamey**, University of Tennessee: 99
- Merener, Nicolas**, Universidad Torcuato di Tella: 76
- Meriggi, Niccolo**, Wageningen University: 1048, 2006
- Messer, Kent**, University of Delaware: 57, 61, 2066
- Meter, Ken**, Crossroads Resource Center: 1080
- Meyer, Steven**, Paragon Economics, Inc.: 2051
- Meyers, William**, University of Missouri: 112, 1061, 2046, 2068
- Miao, Ruiqing**, University of Illinois at Urbana-Champaign: 1014
- Michel-Kerjan, Erwann**, University of Pennsylvania: 2053
- Michelson, Hope**, University of Illinois at Urbana-Champaign: 1032, 2021
- Michieka, Nyakundi**, California State University, Bakersfield: 201
- Michler, Jeffrey**, Purdue University: 1010, 1050
- Mieno, Taro**, University of Illinois at Urbana-Champaign: 2053
- Miles, Morgan**, University of Tennessee at Martin: 1082
- Miller, Alyssa**, Cornell University: 2063
- Miller, Cristina**, USDA-Economic Research Service: 2014, 2042
- Miller, James**, Mississippi Institutions of Higher Learning: 2080
- Miller, Kelly**, University of Massachusetts Amherst: 197
- Miller, Wayne**, University of Arkansas: 220
- Mills, Bradford**, Virginia Tech: 213, 1054
- Minocha, Sumedha**, International Food Policy Research Institute: 2087
- Minor, Travis**, Food and Drug Administration: 1072, 2035
- Minot, Nicholas**, International Food Policy Research Institute: 1049, 2004
- Miranda, Mario**, The Ohio State University: 137, 215, 1003, 1054, 1073, 1077, 2029
- Miranowski, John**, Iowa State University: 2088
- Mishra, Ashok**, Louisiana State University: 10, 1026, 1035, 2068
- Mishra, Khushbu**, The Ohio State University: 1073, 2029
- Mitchell, Lorraine**, USDA-Economic Research Service: 2061
- Mitchell, Paul**, University of Wisconsin: 173, 1033
- Miura, Tomoaki**, University of Hawaii at Manoa: 1026
- Mjelde, James**, Texas A&M University: 1070, 2064
- Moeltner, Klaus**, Virginia Tech: 2049
- Mohanty, Samarendu**, International Rice Research Institute: 73
- Mooney, Sian**, Arizona State University: 2023, 2079
- Morales, Alfonso**, University of Wisconsin: 1080
- Moreira, Victor**, University of Austral, Chile: 2039
- Morgan, Stephen**, Michigan State University: 1011
- Morsink, Karlijn**, University of Oxford: 2100
- Mortimer, Simon**, University of Reading: 2080
- Morzillo, Anita**, University of Connecticut: 2049
- Moschini, GianCarlo**, Iowa State University: 184
- Mosheim, Roberto**, USDA ERS: 1033, 2080
- Moss, Charles**, University of Florida: 2002, 2034
- Motamed, Mesbah**, USDA-Economic Research Service: 23, 95, 1015, 2094
- Mpeta, Daniel**, Institute of Rural Development Planning, Tanzania: 2013
- Mrode, Raphael**, International Livestock Research Institute: 1023
- Mude, Andrew**, International Livestock Research Institute: 2100
- Muhammad, Andrew**, USDA-Economic Research Service: 146
- Mujahid, Irfan**, University of Bonn: 2029
- Mukherjee, Zinnia**, Simmons College: 1074
- Mulder, Peter**, Vrije Universiteit: 2092
- Mulik, Kranti**, Union of Concerned Scientists: 1075

Participant and Author Index

- Mullen, Jeffrey**, University of Georgia: 156, 1007, 1076
- Munasib, Abdul**, University of Georgia: 28, 116, 1009, 2064
- Munisamy, Gopinath**, USDA-Economic Research Service: 1055, 2096
- Murano, Peter**, Texas A&M University: 25
- Muraoka, Rie**, Michigan State University: 131
- Murguia, Juan**, North Dakota State University: 1084
- Murphy, David**, Cornell University: 1073
- Murray, Anthony**, USDA-Economic Research Service: 2068
- Murray, Brian**, Duke University: 1062
- Musshoff, Oliver**, Georg-August-Universität Göttingen: 2014
- Musumba, Mark**, Columbia University: 2032
- Muth, Mary**, RTI International: 1081
- Muyanga, Milu**, Michigan State University: 1051, 1064
- Mwaijande, Francis**, Mzumbe University: 178
- Mykerezi, Elton**, University of Minnesota: 1071
- Nakajima, Toru**, The University of Tokyo: 223
- Nalley, Lawton Lanier**, University of Arkansas: 132, 2007
- Namonje-Kapembwa, Thelma**, Indaba Agricultural Policy Research Institute: 2080
- Nanney, Marilyn**, University of Minnesota: 1022
- Narayanan Gopalakrishnan, Badri**, Purdue University: 1051, 2085, 2053, 2090
- Narrod, Clare**, University of Maryland: 2075
- Naseem, Anwar**, McGill University: 2002
- Nathan, Hendricks**, Kansas State University: 135
- Nayga, Rodolfo**, University of Arkansas: 92, 1017, 1019, 1029, 1063, 1069, 2005, 2007, 2032, 2076, 2082
- Nefstead, Ward**, University of Minnesota: 2015
- Nehring, Richard**, USDA-Economic Research Service: 1033
- Nelson, Gerald**, University of Illinois, Urbana-Champaign: 1041
- Nepal, Atul**, University of Illinois at Urbana-Champaign: 2005
- Netusil, Noelwah**, Reed College: 2049
- Newburn, David**, University of Maryland: 1034, 1076
- Newhall, Ashley**, University of Maryland: 1037
- Newman, Constance**, USDA-Economic Research Service: 1071, 2058
- Newton, Doris**, USDA-Economic Research Service: 2013
- Newton, John**, University of Illinois at Urbana-Champaign: 1079
- Neyra, Elma**, Southern Christian College, Midsayap, Philippines: 1047
- Ng, Desmond**, Texas A&M University: 20
- Nigatu, Getachew**, USDA-Economic Research Service: 1067
- Nikaj, Silda**, Texas Christian University: 2042
- Niu, Hiuzhen**, Louisiana State University: 170
- Njuki, Eric**, University of Connecticut: 2089
- Nogueira-Rodriguez, Lia**, University of Nebraska-Lincoln: 144
- Nolasco, Soraya**, California State Polytechnic University, Pomona: 19
- Norton, George**, Virginia Tech: 130, 2093
- Norton, Michael**, University of California, Davis: 1077
- Norwood, Franklin**, Oklahoma State University: 101
- Nourani, Vesall**, Cornell University: 1032
- Novakovic, Andrew**, Cornell University: 1079
- Nti, Frank**, Kansas State University: 2029
- Nunez, Hector**, Centro de Investigación y Docencia Económicas: 1070
- Nuno-Ledesma, Jose**, Purdue University: 43
- O'Brien, Daniel**, Kansas State University: 2033
- O'Donoghue, Erik**, USDA-Economic Research Service: 1015, 1076
- O'Rear, Eric**, Purdue University: 208
- Odening, Martin**, Humboldt University of Berlin: 2063, 2081
- Oehmke, James**, USAID: 2002
- Oh, Juhyun**, University of Florida: 49
- Oh, Jung**, Kansas State University Salina: 2015
- Okello, Julius**, International Potato Center: 128, 2004
- Okrent, Abigail**, USDA-Economic Research Service: 1019, 1081
- Okwelum, Edson**, University of Rhode Island: 1070
- Olen, Beau**, Oregon State University: 1024
- Olimov, Jafar**, The Ohio State University: 2024
- Oliver, Kristen**, University of Tennessee: 3
- Ollinger, Michael**, USDA-Economic Research Service: 1072, 2008
- Olmstead, Alan**, University of California, Davis: 2097
- Olson, Frayne**, North Dakota State University: 1020
- Oluwatayo, Isaac**, University of Limpopo: 2091
- Omonona, Bolarin**, Cocoa Research Institute of Nigeria: 2091
- Onel, Gulcan**, University of Florida: 83, 1031
- Onozaka, Yuko**, University of Stavanger: 1063

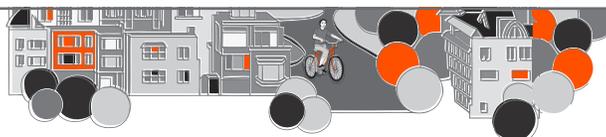


Participant and Author Index

- Opgrand, Jeff**, Purdue University: **93**
- Oppedahl, David**, Federal Reserve Bank of Chicago: **1005**
- Ortega, David**, Michigan State University: **27, 1032, 1047, 2050, 2075, 2087, 2099**
- Ortiz-Bobea, Ariel**, Cornell University: **2031, 2088**
- Osei, Edward**, Tarleton State University: **157, 1033, 2012**
- Osgood, Daniel**, Columbia University IRI: **2100**
- Osinubi, Adenola**, University of Georgia: **149**
- Otero, Jesús**, Universidad del Rosario: **1070**
- Otieno Pambo, Kennedy**, University of Nairobi: **128, 2004, 2083**
- Otsuka, Keijiro**, National Graduate Institute for Policy Studies: **131**
- Ouedraogo, Aissatou**, Michigan State University: **2086**
- Oyekale, Abayomi**, University of Ibadan: **2091**
- Page, Ian**, University of Maryland: **1046**
- Paggi, Mechel**, California State University, Fresno: **2044, 2073**
- Painter, Kathleen**, University of Idaho: **7**
- Pal, Suresh**, Indian Agricultural Research Institute: **2007**
- Palacios-Lopez, Amparo**, World Bank: **1018**
- Paliwal, Neha**, University of Connecticut: **2089**
- Palm, Cheryl**, Columbia University: **2021**
- Palm-Forster, Leah**, Michigan State University: **53, 2026**
- Palma, Marco**, Texas A&M University: **1029, 1084, 2069**
- Panarella, Katie**, Tufts University: **1060**
- Pangaribowo, Evita Hanie**, University of Bonn: **105**
- Papanicolaou, Thanos**, University of Tennessee: **99**
- Pappalardo, Gioacchino**, University of Catania: **77**
- Parajuli, Rajan**, Louisiana State University: **2081**
- Pardey, Philip**, University of Minnesota: **1041**
- Park, Kihyun**, Korea Energy Economics Institute: **2011**
- Parker, Monica**, International Potato Center: **2004**
- Parker, Nick**, University of Wisconsin: **1036**
- Parks, Alfred**, Prairie View A&M University: **2073**
- Parmeter, Christopher**, University of Miami: **186**
- Partridge, Mark**, The Ohio State University: **1044**
- Parvez, Rezwanul**, North Dakota State University: **1025**
- Pascucci, Stefano**, Wageningen University: **1026**
- Pasirayi, Simba**, Arizona State University: **124**
- Patil, Kiran Kumar**, University of Agricultural Sciences: **1056**
- Patyk, Kelly**, USDA-Animal and Plant Health Inspection Service: **75**
- Paudel, Krishna**, Louisiana State University: **160**
- Paukett, Michelle**, University of Delaware: **2099**
- Paulson, Nicholas**, University of Illinois at Urbana-Champaign: **1027**
- Paveglio, Travis**, University of Idaho: **1007**
- Payen Diaz De La Vega, Andrick**, University of Missouri: **222, 2085**
- Peckham, Janet**, FDA: **2035**
- Pecorino, Biagio**, University of Catania: **77**
- Pede, Valerien**, International Rice Research Institute: **2004, 2042**
- Pedersen, Michael**, University of Copenhagen: **4**
- Peel, Derrell**, Oklahoma State University: **2018**
- Pena-Levano, Luis**, Purdue University: **93, 149, 1010, 1035, 1068**
- Pena-Levano, Priscilla**, Universidad Mayor de San Marcos: **149**
- Pena-Levano, William**, Universidad Inca Garcilaso de la Vega: **149**
- Pendell, Dustin**, Colorado State University: **75, 171**
- Pender, John**, USDA-Economic Research Service: **1021, 2014, 2042**
- Penson, John**, Texas A&M University: **2041**
- Peo, Audrey**, University of Delaware: **57**
- Perez Dominguez, Ignacio**, European Commission: **1030**
- Perez, Agnes**, USDA-Economic Research Service: **1008**
- PERNI, Angel**, European Commission-JRC-IPTS: **1003**
- Perrett, Allison**, Appalachian Sustainable Agriculture Project: **70**
- Perrin, Richard**, University of Nebraska-Lincoln: **45, 182**
- Perry, Edward**, Iowa State University: **184**
- Peterson, Christopher**, MSU Product Center: **2095**
- Peterson, Everett**, Virginia Tech: **1011, 1083**
- Peterson, Hikaru Hanawa**, Kansas State University: **30, 1067, 2048**
- Peterson, Jeffrey**, Kansas State University: **1012, 1056, 2078**
- Pham, Matthew**, The Ohio State University: **1011**
- Phillips, Jon**, California State Polytechnic University, Pomona: **19**
- Pieralli, Simone**, University of Maryland and Humboldt University-Berlin: **2063**
- Piguet, Virginie**, CESAER, INRA-AgroSup Dijon: **198**

Participant and Author Index

- Pingali, Prabhu**, Cornell University: 1041
- Plain, Ronald**, University of Missouri: 2018
- Plakias, Zoe**, University of California, Davis: 1003, 2032
- Plastina, Alejandro**, Iowa State University: 172, 179
- Pokharel, Krishna**, Kansas State University: 91, 1057
- Popp, Jennie**, University of Arkansas: 132, 220, 227
- Popp, Michael**, University of Arkansas: 2030
- Pornsawang, Chotima**, North Carolina State University: 73
- Porteous, Obie**, University of California, Berkeley: 1032
- Porto, Guido**, World Bank: 1083
- Post, Lori A.**, Yale University: 2002
- Poudel, Biswo**, Kathmandu University: 160
- Pouliot, Sebastien**, Iowa State University: 1003, 1030
- Power, Gabriel**, Laval University: 18
- Pozo, Veronica**, Utah State University: 109
- Prager, Daniel**, USDA-Economic Research Service: 1035, 2034
- Prasann, Ashesh**, Michigan State University: 2060
- Prato, Tony**, University of Missouri: 1007
- Preckel, Paul**, Purdue University: 1034, 2011
- Prell, Mark**, USDA-Economic Research Service: 1071
- Preston, Richard**, Preston Farms: 1015
- Price, Edwin**, Texas A&M University: 1051
- Pritchett, Irina**, North Carolina State University: 1009
- Pritchett, James**, Colorado State University: 2062
- Protopop, Iuliia**, University of Nebraska-Lincoln: 163
- Proville, Jeremy**, Environmental Defense Fund: 2088
- Qaim, Matin**, Georg-August-Universität Göttingen: 1003
- Qing, Ping**, Huazhong Agricultural University: 2069
- Qiu, Feng**, University of Alberta: 41, 104, 2081
- Qiu, Yun**, The Ohio State University: 2049
- Quaye, Frederick**, Auburn University: 2054
- Quintana Ashwell, Nicolas**, Kansas State University: 1056, 2031
- Rabinowitz, Adam**, University of Connecticut: 1003
- Rabotyagov, Sergey**, University of Washington: 1076
- Rachal, Matthew**, Purdue University: 149
- Rada, Nicholas**, USDA-Economic Research Service: 2013
- Rainey, Ronald**, University of Arkansas: 1039
- Rakitan, Timothy**, Iowa State University: 1009
- Ramachandran, Mahesh**, Cape Cod Commission: 2031
- Ramirez, Elizabeth**, University of California, Berkeley: 2058
- Ramirez, Octavio**, University of Georgia: 1068, 1077
- Ramsey, Austin**, North Carolina State University: 35, 1031, 2065
- Ramsey, Steven**, Kansas State University: 1057
- Randall, Stephen**, City of Greensboro: 1075
- Rasetti, Michele**, Università Politecnica delle Marche: 93
- Rastegari Henneberry, Shida**, China Agricultural University: 1038
- Reed, Michael**, University of Kentucky: 148, 1049
- Reeling, Carson**, Michigan State University: 199, 1062
- Rees, Daniel**, University of Colorado Denver: 1010
- Rehkamp, Sarah**, USDA-Economic Research Service: 1003, 2058
- Reilly, John**, Massachusetts Institute of Technology: 1014
- Rejesus, Roderick**, North Carolina State University: 73, 1066
- Renteria Pinon, Mario**, University of Washington: 93, 1068
- Restrepo, Brandon**, US Food and Drug Administration: 84, 2035
- Reyes, Byron**, CIAT: 1013
- Ribaudo, Marc**, USDA-Economic Research Service: 206
- Ribera, Luis**, Texas A&M University: 1084
- Richards, Timothy**, Arizona State University: 118, 1043, 2043
- Richardson, James**, Texas A&M University: 102
- Richardson, Robert**, Michigan State University: 27
- Riche, Stephanie**, USDA-Economic Research Service: 2061
- Rickard, Bradley**, Cornell University: 71, 74
- Ricker-Gilbert, Jacob**, Purdue University: 1010, 1064, 2037
- Ridley, William**, University of Colorado: 2038
- Rignall, Karen**, University of Kentucky: 2060
- Rihn, Alicia**, University of Minnesota: 1017
- Ringler, Claudia**, International Food Policy Research Institute: 1030
- Ripplinger, David**, North Dakota State University: 6, 212, 1025, 2009
- Ritter, Matthias**, Humboldt University Berlin: 2063, 2081
- Roberts, David**, North Dakota State University: 168, 1025
- Roberts, Roland**, University of Tennessee: 2011
- Robinson, John**, Texas A&M University: 2044
- Robles, Miguel**, International Food Policy Research Institute: 1049

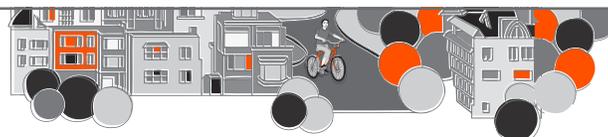


Participant and Author Index

- Rodewald, Amanda**, Cornell University: 2057
- Rodriguez, Divina Gracia**, Norwegian Agricultural Economics Research Institute: 1075
- Rodriguez, Nestor**, USDA-Economic Research Service: 2029
- Roe, Brian**, The Ohio State University: 55, 1008, 1063, 2004, 2024, 2099
- Rogers, Evan**, North Carolina State University: 155
- Rollins, Emily**, University of Guelph: 2085
- Romero-Aguilar, Randall**, The Ohio State University: 1003
- Roosen, Jutta**, Technical University of Munich: 1017
- Ropicki, Andrew**, Texas A&M University: 1074
- Rosales, Chastity**, California State Polytechnic University, Pomona: 19
- Rosas, Juan**, Universidad ORT Uruguay: 1012
- Rosch, Stephanie**, Purdue University: 1032, 2034
- Rosen, Stacey**, USDA-Economic Research Service: 2068
- Rosenman, Robert**, Washington State University: 1069
- Ross, Brent**, Michigan State University: 2095
- Rosson, C. Parr**, Texas A&M University: 1084
- Roth, Kevin**, University of California, Irvine: 2053
- Rouhi Rad, Mani**, University of Illinois at Urbana-Champaign: 1074, 2053
- Rouse, Heather**, University of Arkansas: 92
- Rousu, Matthew**, Susquehanna University: 2076
- Roy, Devesh**, International Food Policy Research Institute: 28, 1009
- Rozelle, Scott**, Stanford University: 2050, 2052
- Rude, James**, University of Alberta: 41
- Rudi, Jeta**, University of Minnesota: 36, 1011
- Rueda, Ximena**, Universidad de los Andes, Colombia: 2057
- Ruiyao, Ying**, Nanjing Agricultural University: 1038
- Rusiana, Hofner**, University of Georgia: 1005
- Russell, Levi**, Texas A&M University: 2044
- Saak, Alexander**, International Food Policy Research Institute: 107
- Saavoss, Monica**, University of Maryland: 1046
- Sabasi, Darlington**, Washington State University: 1005, 2080
- Sahin, Sebnem**, World Bank: 2053, 2090
- Sahn, David**, Cornell University: 2060
- Saito, Hisamitsu**, Hokkaido University: 108
- Saito, Yoko**, Hokkaido University: 108
- Saitone, Tina**, University of California, Davis: 119, 2037, 2051
- Salaghe, Florina**, University of Nevada, Reno: 176
- Salas Garcia, Vania**, Instituto del Perú: 134, 2037
- Saleh, Ali**, Tarleton State University: 2012
- Salim, Rahul**, Curtin University: 2063
- Salman, Kabir**, University of Ibadan: 2091
- Sam, Abdoul**, The Ohio State University: 1073, 2029
- Sambucci, Olena**, University of California, Davis: 210, 2091
- Sampson, Gabriel**, University of California, Davis: 1074
- Sampson, Jessica**, Livestock Marketing Information Center: 2018
- Samuels, Jon**, Bureau of Economic Analysis: 1025
- Sanchez, Jose**, USDA Forest Service: 1046
- Sanchez, Leonardo**, The Littoral Polytechnic School: 20
- Sanchirico, James**, University of California, Davis: 1074
- Sandberg, H. Mikael**, University of Florida: 1052
- Sanders, Larry**, Oklahoma State University: 1058
- Sandström, Susanna**, Abo Akademi University, Turku, Finland: 1054
- Sanford, Gregg**, University of Wisconsin: 2041
- Sangeetha, V**, Indian Agricultural Research Institute: 2007
- Sanou, Awa**, Michigan State University: 1050, 2089
- Sant'Anna, Ana Claudia**, Kansas State University: 16
- Santini, Fabien**, European Commission: 1030
- Sapkota Bastola, Pratikshya**, Washington State University: 74, 2010
- Saputo, Rachel**, Cornell University: 71
- Sarica, Kemal**, Purdue University: 208
- Sattayanuwat, Wanasin**, Srinakharinwirot University: 2038
- Sauer, Johannes**, Technical University Munich: 26, 152
- Savage, Jeffrey**, USDA-Economic Research Service: 2066
- Savchenko, Olesya**, University of Illinois at Urbana-Champaign: 1076
- Scaglia, Guillermo**, Louisiana State University: 2012
- Scheierling, Susanne**, World Bank: 2039
- Scherpf, Erik**, USDA-Economic Research Service: 111, 1071
- Schieffer, Jack**, Department of Agricultural Economics, University of Kentucky: 165
- Schindelbeck, Robert**, Department of Crop and Soil Science, Cornell University: 2057
- Schmidhuber, Josef Georg**, Food and Agriculture Organization

Participant and Author Index

- of the United Nations: **1045**
- Schmit, Todd**, Cornell University: **1021, 2014**
- Schmitz, Andrew**, University of Florida: **2002, 2068**
- Schmitz, Troy**, Arizona State University: **2068**
- Schneekloth, Joel**, Colorado State University: **1056**
- Schnitkey, Gary**, FarmDoc: **1027**
- Schoenbaum, Melissa**, USDA-Animal and Plant Health Inspection Service: **81**
- Schoengold, Karina**, University of Nebraska-Lincoln: **163, 216**
- Schroeder, Ted**, Kansas State University: **109**
- Schroeter, Christiane**, California Polytechnic State University: **1019, 1081, 2016, 2043**
- Schubert, Jens**, Virginia Commonwealth University: **2011**
- Schulte-Geldermann, Elmar**, International Potato Center: **2004**
- Schulz, Lee**, Iowa State University: **8, 1020**
- Scott, Francisco**, Purdue University: **149**
- Scozzafava, Gabriele**, University of Florence: **1063**
- Seale, James**, University of Florida: **83**
- Seeley, Ralph**, USDA-Economic Research Service: **136, 146**
- Segerson, Kathleen**, University of Connecticut: **1074**
- Seidu, Ayuba**, University of Florida: **1031**
- Sene, Seydina**, Louisiana States University: **1026, 2068**
- Seo, Han-Seok**, University of Arkansas: **1017**
- Serebrennikov, Dmytro**, Leibniz Institute of Agricultural Development in Transition Economies: **1067**
- Sesmero, Juan Pablo**, Purdue University: **166, 2009, 2064**
- Setia, Parveen**, USDA-Animal and Plant Inspection Service: **2083**
- Sexton, Richard**, University of California, Davis: **119, 2037, 2051**
- Sexton, Steven**, Duke University: **155, 2074**
- Shang, Xia**, Kansas State University: **106**
- Shapiro, Joseph**, Yale University and NBER: **1024**
- Sharma, Anupa**, Virginia Tech: **2038**
- Sharma, Sankalp**, University of Nebraska-Lincoln: **216**
- Sharpley, Andrew**, University of Arkansas: **227**
- Sheldon, Ian**, The Ohio State University: **2024**
- Sheldon, Tamara**, University of South Carolina: **1078**
- Sheremenko, Ganna**, University of Georgia: **1073**
- Shew, Aaron**, University of Arkansas: **2007**
- Shih, Jou Chen**, National Taiwan University: **1051**
- Shively, Gerald**, Purdue University: **1010**
- Shoemaker, Robbin**, National Institute of Food and Agriculture: **2025**
- Shonkwiler, J. Scott**, University of Georgia: **40, 1057, 2056**
- Shortle, James**, The Pennsylvania State University: **1036**
- Shultz, Joe**, Senate Committee on Agriculture, Nutrition & Forestry: **1016**
- Shumway, C. Richard**, Washington State University: **177, 1002, 1033, 2080**
- Shupp, Robert**, Michigan State University: **1050**
- Shwiff, Stephanie**, USDA-Animal and Plant Health Inspection Service: **100**
- Sibhatu, Kibrom**, Georg-August-University of Goettingen: **1003**
- Siegel, Peter**, RTI International: **1081**
- Siera, Enrique**, ITAM: **2021**
- Signore, Ali**, University of Tennessee: **167**
- Silveira, Rodrigo**, University of Campinas: **2033**
- Simons, Andrew**, Cornell University: **2014**
- Sisman, Muhammet**, Auburn University: **1025**
- Skevas, Theodoros**, University of Florida Gulf Coast Research and Education Center: **2041**
- Skolrud, Tristan**, Washington State University: **181, 209**
- Slootmaker, Chris**, USDA-Animal and Plant Inspection Service WS NWRC: **100**
- Smale, Melinda**, Michigan State University: **1064, 2087**
- Small, Ian**, Cornell University: **2030**
- Smith, Aaron**, University of California, Davis: **14, 1042, 2019, 2072**
- Smith, Timothy**, University of Minnesota: **2080**
- Smith, Travis**, University of Georgia: **1001, 1053, 2058**
- Smith, Trenton**, University of Otago: **2024**
- Sneeringer, Stacy**, USDA-Economic Research Service: **206**
- Snyder, Samantha**, University of Minnesota: **117**
- Sohngen, Brent**, The Ohio State University: **1046**
- Soldati, Hilary**, University of California, Berkeley: **2062**
- Soloveichik, Rachel**, Bureau of Economic Analysis-Department of Commerce: **1025, 2080**
- Somwaru, Agapi**, USDA-Economic Research Service: **1031, 1067**
- Son, Insung**, University of Massachusetts Amherst: **1058**

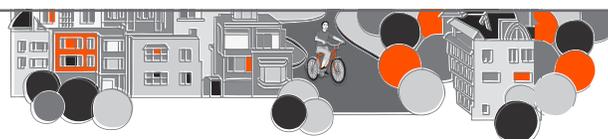


Participant and Author Index

- Song, Jingyu**, Purdue University: 1034
Song, Xiao-Peng, University of Maryland: 1036
Songsermsawas, Tisorn, University of Illinois at Urbana-Champaign: 2037
Sonka, Steven, University of Illinois at Urbana-Champaign: 1061
Sonmez, Erkut, Boston College: 1022
Sonoda, Tadashi, Nagoya University: 1031, 1035
Sorensen, Ginny, Oregon Food Bank: 1022
Souza Monteiro, Diogo, Newcastle University: 2036
Spielman, David, International Food Policy Research Institute: 2006, 2087
Spraggon, John, University of Massachusetts Amherst: 56
Springborn, Michael, University of California, Davis: 214
Sproule, Kathryn, International Food Policy Research Institute: 187
Srinivasan, Chittur, University of Reading: 2029
Stark, Camila, National Renewable Energy Laboratory: 44
Staudigel, Matthias, University of Giessen: 2035
Stefanou, Spiro, The Pennsylvania State University: 1002
Steinbach, Sandro, ETH Zurich: 142, 1011
Steinbuks, Jevgenijs, World Bank: 196, 1014
Steiner, Jean, USDA-Agricultural Research Service, El Reno: 2012
Stenberg, Peter, USDA-Economic Research Service: 2001
Stephenson, Mark, Cornell University: 1079
Stevens, Andrew, University of California, Berkeley: 2080
Stewart, Hayden, USDA-Economic Research Service: 1049
Stockton, Matthew, University of Nebraska: 2030
Stoeffler, Quentin, University of California, Davis: 1054
Stone, Janine, Colorado State University: 2077
Stott, Amber, Food Literacy Center: 63
Stranlund, John, University of Massachusetts Amherst: 1058
Streletskaya, Nadia, Cornell University: 97, 1061
Stringer, Randy, University of Adelaide: 2004
Styles, Erika, Fort Valley State University: 2023
Su, Ye, University of Missouri: 1006, 1028
Suh, Dong Hee, University of Florida: 143, 1075
Sullins, Martha, Colorado State University: 1079
Sumner, Daniel, University of California, Davis: 14, 2097
Sun, Baojing, University of Victoria: 1027
Sun, Sufen, Beijing Academy of Agriculture and Forestry Sciences: 2069
Sunding, David, University of California, Berkeley: 2028, 2062
Sung, Jae-hoon, Iowa State University: 2088
Suprehatin, Supre, University of Adelaide: 2004
Suter, Jordan, Colorado State University: 61, 1029, 1056
Swallow, Brent, University of Alberta: 50, 104
Swallow, Stephen, University of Connecticut: 51, 2042, 2083
Swenson, David, Iowa State University: 1080
Swigert, Jeffery, Cornell University: 1022
Swinnen, Johan, University of Leuven: 2052
Swinton, Scott, Michigan State University: 2026, 2041
Swisher, Marilyn, University of Florida: 79
Syampaku, Edward, Mulungushi University: 1026, 2033
Sylvan, Derek, Institute for Policy Integrity at NYU School of Law: 1007
Taheripour, Farzad, Purdue University: 1010, 1034, 2007, 2053, 2090
Takahashi, Taro, The University of Tokyo: 223
Tandon, Sharad, USDA-Economic Research Service: 2010
Tang, Yingmei, Nanjing Agricultural University: 1077
Tanner, Sophia, Michigan State University: 2041
Tantihkarnchana, Pitchayaporn, Washington State University: 1046, 2056
Tarui, Nori, University of Hawaii at Manoa: 2059
Tasnádi, Atilla, Corvinus University of Budapest: 2024
Taylor, Edward, University of California: 1084
Taylor, Mykel, Kansas State University: 1034, 2020, 2044
Taylor, Rebecca, University of California, Berkeley: 1001, 2039, 2053
Tejeda, Hernan, Utah State University: 2055
Tembo, Solomon, Indaba Agricultural Policy Research Institute: 2087
Tewari, Rachna, University of Tennessee Martin: 1082
Thelen, Kurt, Michigan State University: 2041
Therriault, Veronique, Michigan State University: 1064
Thilmany McFadden, Dawn, Colorado State University: 1080, 2062
Thomassin, Paul, McGill University: 1027
Thompson, Jada, Colorado State University: 75
Thompson, Nathanael, Oklahoma State University: 2012

Participant and Author Index

- Thompson, Paul**, Michigan State University: 2045
Thompson, William, University of Georgia: 2006
Thompson, Wyatt, University of Missouri: 2085
Thomsen, Michael, University of Arkansas: 92
Thurman, Walter, North Carolina State University: 39, 1036
Tiehen, Laura, USDA-Economic Research Service: 111
Tifaoui, Said, Georg-August-Universität Göttingen: 1006
Tiffin, Richard, University of Reading: 2029, 2080
Timmer, C. Peter, Harvard University: 2041, 2052, 2096
Tjernstrom, Emilia, University of California: 2021
Todd, Jessica, USDA-Economic Research Service: 1001
Toensmeyer, Ulrich, University of Delaware: 2099
Tonsor, Glynn, Kansas State University: 101, 106, 1067, 2054
Torero, Maximo, International Food Policy Research Institute: 1050
Torres, Ariana, Purdue University: 219
Towe, Charles, University of Connecticut: 204, 1046
Tozer, Peter, Washington State University: 2030
Tran, Anh Nam, University of Missouri: 86, 95
Treguer, David, INRA: 2039
Trindade, Federico, University of Nebraska-Lincoln: 2080
Tropp, Debra, USDA-Agricultural Marketing Service: 64
Tselepidakis, Elina, University of Maryland: 2008
Tseng, Wei-Chun, National Chung Hsing University: 2013
Tsiboe, Francis, University of Arkansas: 132, 178
Tulman, Sarah, USDA-Economic Research Service: 5, 1005
Turner, Steven, Mississippi State University: 2022, 2074
Turvey, Calum, Cornell University: 1038, 1048
Tuttle, Charlotte, USDA-Economic Research Service: 1071
Twine, Edgar, International Livestock Research Institute: 1006, 2054
Twum Barima, Asare, University of California, Davis: 2086
Twyman, Jennifer, CIAT: 2046
Tyner, Wallace, Purdue University: 192, 208, 1010, 1014, 2007, 2053, 2064
Ugaglia, Adeline, Bordeaux Sciences Agro: 1004
Umberger, Wendy, University of Adelaide: 1, 2004
Unnevehr, Laurian, University of Illinois at Urbana-Champaign: 2075
Upton, Joanna, Cornell University: 1054
Useche, Pilar, University of Florida: 85
Usman, Muhammed, University of Bonn: 105
Valcu, Adriana, Iowa State University: 1076
Valdes, Alberto, Catholic University of Chile: 2096
Valdes, Constanza, USDA-Economic Research Service: 146
Valdivia, Corinne, University of Missouri: 222, 2046
Van Der Sluis, Evert, South Dakota State University: 139
Van Dopp, Molly, Purdue University: 166
Van Eenennaam, Alison, University of California, Davis: 2071
Van Es, Harold, Cornell University: 2057
Van Kooten, G. Cornelis, University of Victoria: 1027
Van Loo, Ellen, Ghent University, Belgium: 1017
Vasilaky, Katya, Columbia University: 2100
Vassalos, Michael, Clemson University: 1003
Vedenov, Dmitry, Texas A&M University: 18
Venkatesh, P., Indian Agriocultural Research Institute: 2007
Venn, Tyron, University of Montana: 1007
Venort, Taisha, Purdue University: 166
Ver Ploeg, Michele, USDA-Economic Research Service: 1001, 1053
Verbeke, Wim, Univ of Ghent: 1017
Vergara, Oscar, Air Worldwide: 2017
Verteramo Chiu, Leslie, Cornell University: 18, 1048, 1077, 2063
Vestal, Mallory, West Texas A&M University: 1069
Vickner, Steven, Wilmington College: 191, 2001
Viens, Frederi, Purdue University: 1013
Villa, Kira, University of New Mexico: 2060
Villas-Boas, Sofia, University of California, Berkeley: 1001, 2053
Villoria, Nelson, Purdue University: 1034
Vitale, Jeffrey, Oklahoma State University: 1003
Volpe, Richard, USDA-Economic Research Service: 1043, 1081
Von Braun, Joachim, International Food Policy Research Institute: 1047
Von Cramon, Stephan, University of Göttingen: 1006
Von Haefen, Roger, North Carolina State University: 1078
Von Helms, Bryce, California State Polytechnic University, Pomona: 19
Vorotnikova, Ekaterina, University of Idaho: 2073
Vossler, Christian, University of Tennessee: 1025

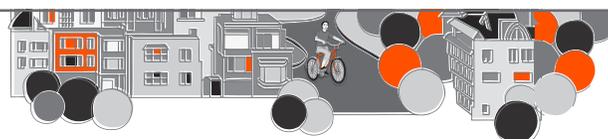


Participant and Author Index

- Vroegindewey, Ryan**, Michigan State University: 22
- Wachenheim, Cheryl**, North Dakota State University: 1025, 2015, 2079
- Wade, Tara**, North Carolina A&T State University: 1025
- Wahhaj, Zaki**, University of Kent: 1073
- Wailles, Eric**, University of Arkansas: 178, 2076
- Waldman, Kurt**, Michigan State University: 27
- Walker, James**, Indiana University: 60
- Walker, Reed**, University of California, Berkeley: 1024
- Wallander, Steven**, USDA-Economic Research Service: 194, 202, 1056
- Walters, Cory**, University of Nebraska-Lincoln: 163, 1015
- Walters, Lurleen**, Mississippi State University: 1084
- Wamisho, Kassu**, North Dakota State University: 212, 2009
- Wang, Changchuang**, Zhejiang University: 2069
- Wang, Chenggang**, Texas Tech University: 1056
- Wang, Chenguang**, Michigan State University: 1005
- Wang, Dan**, Arizona State University: 2043
- Wang, Emily**, University of Massachusetts: 90
- Wang, Haoluan**, University of Alberta: 50, 104
- Wang, Haoying**, The Pennsylvania State University: 2088
- Wang, Hong**, Purdue University: 1047, 2050, 2099
- Wang, Hui**, Michigan State University: 2069
- Wang, Miao**, University of Illinois at Urbana Champaign: 1068
- Wang, Min**, Beijing Academy of Agriculture and Forestry Sciences: 2069
- Wang, Sun Ling**, USDA-Economic Research Service: 1031, 1033, 2013
- Wang, Xiaojin**, University of Kentucky: 1049
- Wang, Xiuqing**, China Agricultural University: 2055
- Wang, Yanbing**, Purdue University: 46
- Wang, Yang**, North Carolina State University: 211
- Wang, Yiwei**, Cornell University: 2053
- Wansink, Brian**, Cornell University: 1022, 1060
- Ward, Frank**, New Mexico State University: 2003
- Ward, Patrick**, International Food Policy Research Institute: 2029, 2087
- Ward, Ruby**, Utah State University: 1040
- Warren, Cael**, University of Minnesota: 1022
- Watson, Philip**, University of Idaho: 1080
- Waxman, Elaine**, Feeding America: 1022
- Weatherspoon, Dave**, Michigan State University: 1028
- Weaver, Todd**, USDA-Animal and Plant Health Inspection Service: 75
- Weber, Jeremy**, University of Pittsburgh: 1076, 2011
- Wechsler, Seth**, USDA-Economic Research Service: 183, 1033, 1056
- Weersink, Alfons**, University of Guelph: 1059, 2052
- Wei, Hongli**, University of Massachusetts Amherst: 90
- Wei, Xuan**, Michigan State University: 1036, 2069
- Weninger, Quinn**, Iowa State University: 29
- Westhoff, Patrick**, University of Missouri: 1039, 1066
- Westra, John**, Louisiana State University: 170
- Wetzstein, Michael**, Purdue University: 195, 1015, 1028
- Whelchel, Adam**, The Nature Conservancy: 2049
- Whistance, Jarrett**, University of Missouri: 2085
- White, James**, University of Wisconsin-River Falls: 1004, 1082, 2001
- Whitehead, John**, Appalachian State University: 2031
- Wibowo, Rulianda**, Kansas State University: 175, 2065
- Wichman, Casey**, University of Maryland, College Park: 2027
- Widmar, David**, Purdue University: 17
- Widmar, Nicole**, Purdue University: 72
- Wieck, Christine**, University of Bonn: 1006
- Wiggins, Seth**, West Virginia University: 1070
- Wilcox, Michael**, Purdue University: 72
- Wilen, James**, University of California, Davis: 1074
- Wilkus, James**, USDA-Food Safety and Inspection Service: 1072
- William, Lesch**, St. Ambrose University: 1025
- Williams, Gary**, Texas A&M University: 68, 1067, 2038
- Williams, Jeffery**, Kansas State University: 1012
- Williams, Robert**, USDA-Economic Research Service: 10
- Williamson, James**, USDA-Economic Research Service: 9
- Wilson, Norbert**, Auburn University: 71, 1022, 2023
- Wilson, Paul**, University of Arizona: 2060
- Wilson, Roger**, University of Nebraska-Lincoln: 2030
- Winchester, Niven**, Massachusetts Institute of Technology: 1014, 2061
- Winemsn, Ayala**, Michigan State University: 138
- Wiredu, Alexander**, University of Hohenheim: 2007
- Wittwer, Glyn**, Victoria University: 2003

Participant and Author Index

- Wolf, Christopher**, Michigan State University: 1020, 1067, 2054
- Wolter, Peter**, Iowa State University: 1025
- Wongprawmas, Rungsaran**, University of Bologna: 77
- Wood, Benjamin**, International Initiative for Impact Evaluation: 1083, 2085
- Wood, Dallas**, North Carolina State University: 13, 154
- Woodard, Joshua**, Cornell University: 18, 2021, 2063
- Woods, Michael**, Oklahoma State University: 2022
- Woods, Timothy**, University of Kentucky: 64, 1040
- Woodward, Richard**, Texas A&M University: 205, 1062, 2064
- Worth, Thomas**, USDA-Risk Management Agency: 1059
- Wree, Philipp**, Technische Universität München: 152
- Wrenn, Douglas**, The Pennsylvania State University: 1034
- Wright, Melissa**, Washington State University: 66
- Wu, Dennis**, California State Polytechnic University, Pomona: 19
- Wu, Feng**, University of Florida: 62, 1011
- Wu, JunJie**, Oregon State University: 1024, 2066, 2094
- Wu, Xuedong**, University of Georgia: 190
- Wuepper, David**, Technical University Munich: 26
- Xia, Fang**, Central University of Finance and Economics: 1038
- Xia, Tian**, Kansas State University: 122
- Xiang, Cheng**, Chinese Academy of Sciences: 2089
- Xiao, Jinzhi**, Iowa State University: 168
- Xiao, Zhihua**, Inner Mongolia Agricultural University, China: 2007
- Xie, Yang**, University of California, Berkeley: 2062
- Xie, Yi**, Arizona State University: 2035
- Xiong, Bo**, University of California, Davis: 14
- Xu, Jintao**, Peking University: 2039
- Xu, Xiaojie**, North Carolina State University: 39
- Xu, Ying**, University of Arkansas: 161
- Xu, Zhicheng**, Texas A&M University: 1048, 2087
- Yamamoto, Yasutaka**, Hokkaido University: 108
- Yamaura, Koichi**, Tokyo University of Agriculture and Technology: 30, 1067
- Yamazaki, Fumiko**, California State University, Fresno: 2073
- Yan, Zhen**, Zhejiang University: 2069
- Yanagida, John**, University of Hawaii at Manoa: 1026
- Yang, Fanda**, University of Minnesota: 1079
- Yang, Guolei**, Center for Chinese Agricultural Policy: 1047, 2057
- Yang, Jun**, Chinese Academy of Sciences: 2050
- Yang, Qingqing**, Washington State University: 1069
- Yang, Sansi**, Washington State University: 2080
- Yang, Shang-Ho**, National Chung Hsing University: 2036
- Yang, Tongyang**, University of Georgia: 1053
- Yang, Xiaosi**, University of Georgia: 1001
- Yang, Ziyang**, University of Maryland: 1046
- Ye, Guyu**, University of Illinois at Urbana-Champaign: 2053
- Ye, Shiyu**, University of Georgia: 42
- Yeager, Elizabeth**, Kansas State University: 2015
- Yenerall, Jackie**, Virginia Tech: 1035, 1053
- Yerokun, Olusegun**, Mulungushi University: 1026, 2033
- Yi, Dale**, Michigan State University: 2004
- Yoder, Jonathan**, Washington State University: 2053, 2077
- Yonezawa, Koichi**, Technische Universität München: 118
- Yoo, Do-il**, Chungbuk National University: 185
- You, Wen**, Virginia Tech: 186, 1035, 1053, 1057
- Young, Katherine**, University of Minnesota: 1022
- Yu, Chin-Hsien**, Southwestern University of Finance and Economics: 2088
- Yu, Jialing**, Oregon State University: 2094
- Yu, Jisang**, University of California, Davis: 1015
- Yu, Qiushuo**, University of Connecticut: 2055
- Yu, Tun-Hsiang**, University of Tennessee: 3, 12
- Yuan, Yuan**, Virginia Tech: 186, 1057
- Yun, Seong Do**, Purdue University: 1034
- Zacharias, Thomas**, National Crop Insurance Services: 2017
- Zaffou, Madiha**, University of Connecticut: 2084
- Zarnekow, Nana**, University of Kiel: 2035, 2092
- Zavelberg, Yvonne**, University of Bonn: 1006
- Zeballos, Eliana**, University of California, Davis: 1048
- Zeng, Di**, University of Arkansas: 92
- Zepeda, Lydia**, University of Wisconsin: 1040
- Zereyesus, Yacob**, Kansas State University: 127
- Zhang, Junfeng**, Beijing Academy of Agriculture and Forestry Sciences: 2069
- Zhang, Jun**, University of Maryland: 2059
- Zhang, Wei**, Connecticut College: 1058



Participant and Author Index

Zhang, Wendong, The Ohio State University: **82, 2026**
Zhang, Yu Yvette, Texas A&M University: **1029, 2069**
Zhang, Yu, Texas A&M University: **1048, 2087**
Zhao, Xin, Purdue University: **93, 192**
Zhao, Xin, Washington State University: **207, 2030**
Zhao, Yinyu, China Agricultural University: **1038**
Zhen, Chen, RTI International: **1019, 1049, 1079, 1081**
Zheng, Hualu, University of Connecticut: **1067**
Zheng, Yuqing, University of Kentucky: **1049, 2008**
Zheng, Zhihao, China Agricultural University of Economics & Management: **1038**
Zhong, Hua, University of Kentucky: **2083**
Zhong, Jia, The University of Tennessee, Knoxville: **12, 2040**
Zhou, Jiehong, Zhejiang University: **2069**
Zhou, Li, Nanjing Agricultural University: **1038**
Zhou, You, Washington State University: **110, 221**
Zhu, Honggen, Jiangxi Agricultural University: **1036**
Zhu, Manhong, University of Florida: **83**
Zilberman, David, University of California, Berkeley: **2039, 2052, 2062, 2078**
Ziolkowska, Jad, University of Oklahoma: **2053, 2078**
Zissimopoulos, Angelika, Purdue University: **2015**
Zollner, Patrick, Purdue University: **159**
Zulauf, Carl, The Ohio State University: **89**
Zuluaga, Victor, International Center for Tropical Agriculture: **1010**
Zuo, Na, University of Kentucky: **165**

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