



2017 AAEA Annual Meeting Program



#AAEAChicago17

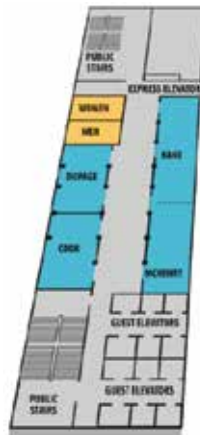


AAEA
Agricultural & Applied
Economics Association

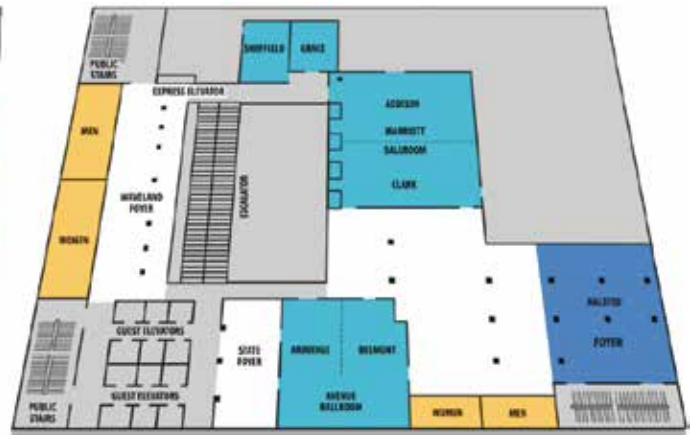
Chicago Downtown Magnificent Mile



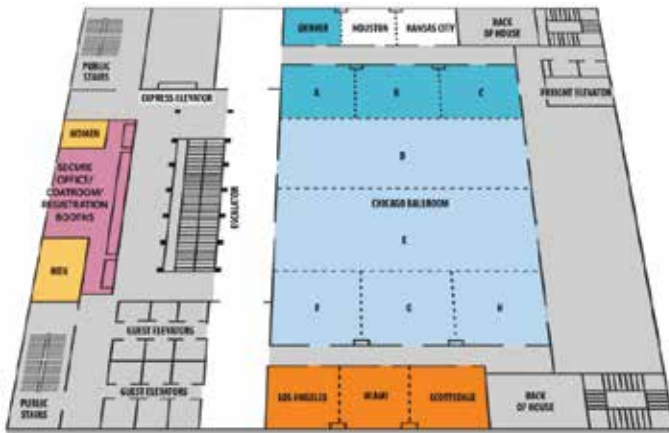
2ND FLOOR



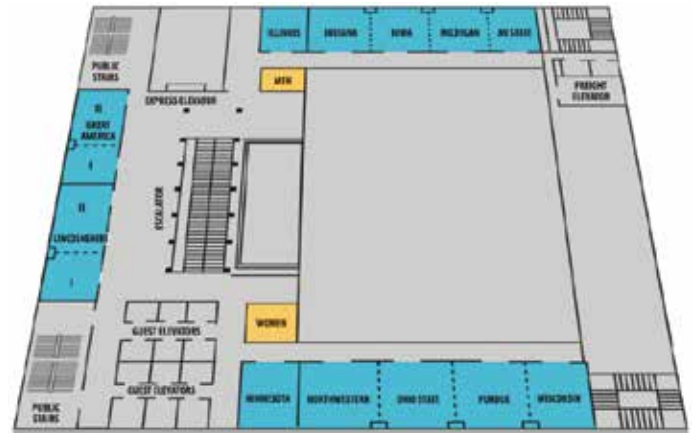
3RD FLOOR



4TH FLOOR



5TH FLOOR



6TH FLOOR

LEGEND

- REGISTRATION DESK
- PLENARY HALL
- CONCURRENT SESSION ROOMS
- CONNECTION CENTER
- EMPLOYMENT CENTER
- POSTER HALL
- RESTROOMS



7TH FLOOR



10TH FLOOR



#AAEAChicago17

AAEA President's Message

Welcome to the 2017 AAEA Annual Meeting in Chicago! The meeting is an excellent opportunity to learn from each other, see old friends, and make new ones as well. I hope the meeting will meet and exceed your expectations for our Association's largest event of the year.

We last met in Chicago for the summer meeting sixteen years ago. Bruce Gardner was the AAEA president, Jean Kinsey gave the presidential address, and I was a young Assistant Professor, merely a year out of graduate school. My younger self would have been incredulous at the prospect of one day being AAEA president. I owe a great deal to AAEA and its members for the opportunities for professional development and growth. There are many opportunities for you to get engaged as well. Attend a section meeting. Run for a section office. Volunteer for a committee. Show up at the Reunions & Receptions. Try to learn something new. And, have fun!

A great way to learn about what's happening at the meeting is to download the meeting app. The app will help you access the Annual Meeting schedule, customize your agenda with personal appointments, quickly find a meeting room using interactive maps, network by seeing who is attending, and share contact information with other attendees. One of the changes you'll see is the return of a second night of Reunions & Receptions; they're now on Sunday and Monday nights.

The meeting is bookended by two outstanding speakers. It officially starts off Sunday night with Charles Plott, the William D. Hacker Professor of Economics and Political Science at the California Institute of Technology, giving the keynote address. Plott is a pioneer in the field of experimental economics and political science, and he's made numerous seminal contributions to the fields. One of the last official events of the meeting is the Galbraith Forum, which will be given Tuesday night by Dan Ariely, the James B. Duke Professor of Psychology and Behavioral Economics at Duke University. Dan is one of the key players in the emerging field of behavioral economics and is author of the popular book *Predictably Irrational*. I am excited to hear what perspectives these outstanding scholars share in common and, perhaps more interestingly, where they differ.

Our other headline talks include Scott Swinton's presidential address on Monday morning and Julian Alston's Fellow's address on Tuesday morning. Despite the early morning start time, these are "don't miss" events. This year, there are four invited paper sessions; two dealing with biofuel policies and two related to behavioral economics and consumer choice. In addition, there are more than 400 papers being presented as part of Invited Paper and Selected Paper sessions, along with 84 Organized Symposia and Track Sessions. On top of that are another 300 posters. It is a shame that time will only allow seeing a fraction of the great work by our members.

I hope you will take time on Monday evening to honor and cheer on our colleagues at the Awards and Fellows Recognition Ceremony. Join me in congratulating this year's slate of AAEA fellows: Philip Garcia, Harry M. Kaiser, Mario J. Miranda, Damona Doye, and Robert J. Myers. Who won the association's other teaching, research, and extension awards? You'll have to attend the award's ceremony to find out.

It has been an honor and a privilege to serve as AAEA president and to help play a small role in bringing this meeting together. I hope you'll take a minute to say "hi" and tell me what we can do better next year.

Jayson L. Lusk
AAEA President



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MOBILIZE YOUR 2017 ANNUAL MEETING EXPERIENCE – DOWNLOAD THE APP!

This year's #AAEAChicago17 Annual Meeting app will help you manage your networking, schedules, social media and much more in the palm of your hand. If you use Apple or Android, search for "AAEA" in the iTunes store or Play store and download. Just look for the AAEA logo!

The mobile app has many great features including:

- Access the Annual Meeting schedule and customize your agenda with personal appointments
- Quickly find a session room using the interactive maps
- Find sessions by topic code, AAEA Section Track, or by using the search tool
- Get important updates on the app through Push Notifications
- See who's attending and share contact information by networking with other attendees



AGRICULTURAL & APPLIED ECONOMICS ASSOCIATION EXECUTIVE BOARD

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Barry K. Goodwin 2015
Jill J. McCluskey 2016

AMERICAN JOURNAL OF AGRICULTURAL ECONOMICS (AJAE)

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JunJie Wu, Oregon State University
Timothy Beatty, University of California, Davis
Travis Lybbert, University of California, Davis

Book & Media Review Editor:

F. Bailey Norwood, Oklahoma State University

APPLIED ECONOMIC PERSPECTIVES AND POLICY (AEP)

Managing Editor:

Craig Gundersen, University of Illinois at Urbana-Champaign

Submitted Article Editors:

Roderick Rejesus, North Carolina State University
Christopher McIntosh, University of Idaho

CHOICES MAGAZINE

Editors:

Kynda Curtis, Utah State University
Janet Perry, Retired USDA-Natural Resource Conservation Service
Alison Davis, University of Kentucky

Technical Editors:

Amy Bekkerman, Precision Edits
Kathy Lipton, formerly USDA-Economic Research Service

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 Chicago. The committee, with the help of volunteer topic leaders and over four hundred reviewers fielded just under 1200 abstracts to create the topically diverse, high quality sessions that will be presented over the course of the 2017 Annual Meeting.

Chair: Gary Williams, Texas A&M University
Allen Featherstone (Board Liaison), Kansas State University
Jason Grant, Virginia Tech
Xiang Bi, University of Florida
Jason Winfree, University of Idaho
Christiane Schroeter, California Polytechnic State University
Nathan Hendricks, Kansas State University
Nathan Thompson, Purdue University

Topic Leaders:

Abigail Okrent, USDA-Economic Research Service
Alexander Marre, USDA-Economic Research Service
Amanda Leister-Countryman, Colorado State University
Amani Elobeid, Iowa State University
Anupa Sharma, Virginia Tech
Carola Grebitus, Arizona State University
David Peters, Iowa State University
Diane Charlton, University of Montana
Dmitry Vedenov, Texas A&M University
Felix Munoz-Garcia, Washington State University
Hayley Chouinard, Washington State University
John Bovay, University of Connecticut
Joyce Chen, The Ohio State University
Juan Sesmero, Purdue University
Levi Russell, University of Georgia
Lindsey Higgins, California Polytechnic State University
Maria Bampasidou, Louisiana State University
Matthew Freeman, Gulf of Mexico Fishery Management Council
Michael Brady, Washington State University
Michael Delgado, Purdue University

Michael Vassalos, Clemson University
Nicholas Magnan, University of Georgia
Nicholas Rada, USDA-Economic Research Service
Pierre Mérel, University of California, Davis
R. Karina Gallardo, Washington State University
Rafael Uaiene, Purdue University
Richard (Max) Melstrom, Oklahoma State University
Ryan Williams, Texas Tech University
Sahan Dissanayak, Colby College
Samuel Zapata, Texas A&M University
Sean Cash, Tufts University
Sebastien Pouliot, Iowa State University
Stephan Kroll, Colorado State University
Steven Buck, University of Kentucky
Terry Griffin, Kansas State University
Travis Smith, University of Georgia
Veronica Pozo, Utah State University
Veronique Theriault, Michigan State University
Xudong Rao, Wageningen University
Yangxuan Liu, Eastern Kentucky University
Yu (Yvette) Zhang, Texas A&M University

Thank you to all the 2017 AAEA Annual Meeting Reviewers! This year AAEA had over 400 Selected Presentation reviewers. This meeting would not be possible without the help of these volunteers.

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

Meeting Information

REGISTRATION DESK HOURS

5th floor Marriott Downtown Magnificent Mile

Sunday, July 30, 7:30 am-7:30 pm

Monday, July 31, 7:30 am-5:00 pm

Tuesday, August 1, 7:30 am-4:00 pm

WI-FI ACCESS

AAEA is providing free Wi-Fi access in the Marriott Downtown Magnificent Mile meeting space for all 2017 Annual Meeting attendees.

Wi-Fi Network: AAEA

Network Password: aaea2017 *(password is case-sensitive)

ACCESSIBILITY

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

GUESTS

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

TAPING OF SESSIONS

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

OTHER EVENTS

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

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

ASSOCIATION PHOTOGRAPHER

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

Sponsors

THANK YOU!



AAEA Trust

- AAEA Student & Early Career Professional Travel Grants



**Center for Farm
Financial Management**

Center for Farm Financial Management (CFFM)

- Extension Section Luncheon



Farm Foundation

- Extension/Graduate Student Section Competition



Mercaris

- CWAE, COSBAE, and Specialty Crop Economics Speaker Series & Luncheon



National Crop Insurance Services Inc. (NCIS)

- CWAE, COSBAE, and Specialty Crop Economics Speaker Series & Luncheon
- Extension Section Luncheon



Southern Risk Management Education Center, University of Arkansas (SRMEC)

- CWAE, COSBAE, and Specialty Crop Economics Speaker Series & Luncheon
- Extension Section Luncheon



WILEY
Publishers Since 1807

- International Section Lecture and Reception



Western Center for Risk Management Education

- Extension Section Luncheon



National Institute of Food and Agriculture (NIFA)

- NIFA Agricultural Economics and Rural Communities Project Directors Workshop

And a special thank you to our mobile app sponsor!



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Exhibitors

AGECON SEARCH

AgEcon Search is an online repository of over 100,000 full-text documents including conference presentations, working papers, journal articles, reports, and theses and dissertations worldwide. Subject coverage is agricultural and applied economics very broadly defined such as agribusiness, food security, energy and natural resources economics, and international trade.



AUSTRALIAN JOURNAL OF AGRICULTURAL AND RESOURCE ECONOMICS (AJARE)

The Australian Journal of Agricultural and Resource Economics (AJARE) provides a forum for innovative and scholarly work in agricultural and resource economics. First published in 1997, the Journal succeeds the Australian Journal of Agricultural Economics and the Review of Marketing and Agricultural Economics, upholding the tradition of these long-established journals.



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CENTER FOR AGRICULTURAL AND RURAL DEVELOPMENT

The Center for Agricultural and Rural Development (CARD) provides leadership in economic analysis to improve agricultural, food, and environmental policy by developing and applying economic theory, quantitative methods, and interdisciplinary approaches to create relevant knowledge to inform and benefit society.



COUNCIL ON FOOD, AGRICULTURAL AND RESOURCE ECONOMICS

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



ECONOMIC RESEARCH SERVICES, USDA

The mission of USDA's Economic Research Service is to anticipate trends and emerging issues in agriculture, food, the environment, and rural America and to conduct high-quality objective economic research to inform and enhance public and private decision making.



MICHIGAN STATE UNIVERSITY, DEPARTMENT OF AGRICULTURE, FOOD, AND RESOURCE ECONOMICS



Information about graduate programs and international development research, outreach, and capacity building.

OXFORD UNIVERSITY PRESS

Oxford University Press (OUP) is a department of Oxford University and is the oldest and largest continuously operating university press in the world. OUP is a publisher of some of most respected and prestigious books and journals in the world. Visit our booth for free journal sample copies.



PURDUE UNIVERSITY

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



Undergraduate Recruitment Fair

Monday, 8:00 am - 4:00 pm

Denver, 5th Floor

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

PARTICIPATING ORGANIZATIONS INCLUDE:

- Agricultural and Consumer Economics
- Purdue University
- Texas A&M University-Department of Agricultural Economics
- University of Arkansas
- University of Georgia
- University of Florida
- West Virginia University

Plenary Sessions

AAEA KEYNOTE ADDRESS

Sunday, July 30 - 6:00 pm – 7:00 pm

Salon III/III, 7th floor



Charles Plott, California Institute of Technology
“The Application of Laboratory Experimental Methods to Complex Policy Issues”

Charles R. Plott is the William D. Hacker Professor of Economics and Political Science at the California Institute of Technology. He is the Founder and Director of the Caltech Laboratory of Economics and Political Science (EEPS). He received his Ph.D degree from the University of Virginia. He holds diplôme Docteur honoris causa from L'université Pierre Mendès France and the Doctor of Letters honoris causa, Purdue University.

His research is focused on the development, experimental testing and applications of theories of economics, public choice, political science and social choice. He developed an experimental methodology for the study of public economics, which rapidly emerged as new laboratory methods for studying markets. His laboratory methods are widely used throughout the world and his laboratory has served as a templet for the developments of over a hundred new laboratories. His research has produced some of the most basic scientific discoveries in experimental economics including principles governing convergence, information aggregation and stability of multiple market systems. In public choice and public economics his research initiated the experimental study of public goods and externalities together with how their determination is shaped by institutions such as the voting rule, agenda, property rights and free riding. Much of his work has explored policy applications of laboratory experimental methods where his research has had influence on landing rights, emission permits, complex auction processes, the environment, regulation (deregulation) and antitrust.

Professor Plott has published five books and approximately 200 research papers. He is a member of the National Academy of Sciences and the American Academy of Arts and Sciences. He is a Distinguished Fellow of the American Economic Association, a fellow of the Society for the Advancement of Economic Theory, and a fellow of the Econometric Society. He has served as president of the Society for the Advancement of Economic Theory, the Economic Science Association, the Southern Economic Association, the Public Choice Society, and the Western Economic Association.

AAEA PRESIDENTIAL ADDRESS

Monday, July 31 - 8:30 am - 9:30 am

Salon III/III, 7th floor



Scott M. Swinton, Michigan State University
“Why Should I Believe Your Applied Economics?”

Scott Swinton is Professor in the Department of Agricultural, Food, and Resource Economics at Michigan State University. His research examines how technology, information, and incentives shape farm management and its environmental consequences in the USA, Latin America, and Africa. He teaches in the areas of managerial economics, ecological economics, and applied microeconomics.

Plenary Sessions

AAEA FELLOWS ADDRESS

Tuesday, August 1 - 8:30 am - 9:30 am

Salon II/III, 7th floor



Julian Alston, University of California, Davis

“Reflections on Agriculture R&D, Productivity, and the Data Constraint: Unfinished Business, Unsettled Issues”

Julian Alston is a distinguished professor in the Department of Agricultural and Resource Economics and the director of the Robert Mondavi Institute Center for Wine Economics at the University of California, Davis. Previously, he was the Chief Economist in the Department of Agriculture and Rural Affairs in Victoria, Australia. He has a PhD in Economics from North Carolina State University.

He is a Fellow of the Agricultural and Applied Economics Association (AAEA), a Distinguished Fellow of the Australian Agricultural and Resource Economics Society (AARES), a Distinguished Scholar of the Western Agricultural Economics Association (WAEA), a Fellow of the American Association of Wine Economists (AAWE), and an Honorary Life Member of the International Association of Agricultural Economists (IAAE). He currently serves on the executive committees of AARES, The Beeronomics Society, and the IAAE, as well as several editorial boards.

Alston is an agricultural economist known for his work on the economics of agricultural and food policy. Recent projects have emphasized science & technology policy and the economics of agricultural innovation; and food & nutrition policy, and the global challenges of poverty, malnutrition, and obesity. He has written hundreds of academic journal articles and chapters related to these subjects, as well as numerous (co-authored) books, notably *Science Under Scarcity: Principles and Practice for Agricultural Research Evaluation and Priority Setting* (1995), *Persistence Pays: U.S. Agricultural Productivity Growth and the Benefits from Public R&D Spending* (2010), and most recently *The Effects of Farm and Food Policy on Obesity in the United States* (2017).

AAEA GALBRAITH FORUM

Tuesday, August 1 - 6:30 pm – 7:30 pm

Salon II/III, 7th floor



Dan Ariely, Duke University

“The Honest Truth About Dishonesty”

In this talk Dan will discuss how the principles of behavioral economics can help us understand some of our irrational tendencies, specifically the mechanisms at work behind dishonest behavior. One of the most interesting lessons at work is understanding our capacity to think of ourselves as honest even when we act dishonestly. The implications of this research are far reaching and include a better understanding of financial crises, regulations, and day-to-day misbehaviors.

Despite our intentions, why do we so often fail to act in our own best interest? Why do we promise to skip the chocolate cake, only to find ourselves drooling our way into temptation when the dessert tray rolls around? Why do we overvalue things that we've worked to put together? What are the forces that influence our behavior? Dan Ariely, James B. Duke Professor of Psychology & Behavioral Economics at Duke University, is dedicated to answering these questions and others in order to help people live more sensible – if not rational – lives. His interests span a wide range of behaviors, and his sometimes unusual experiments are consistently interesting, amusing and informative, demonstrating profound ideas that fly in the face of common wisdom.

He is a founding member of the Center for Advanced Hindsight, co-creator of the film documentary (Dis)Honesty: The Truth About Lies, and a three-time New York Times bestselling author. His books include Predictably Irrational, The Upside of Irrationality, The Honest Truth About Dishonesty, Irrationally Yours, and Payoff.

In 2013 Bloomberg recognized Dan as one of Top 50 Most Influential thinkers. He also has a bi-weekly advice column in the Wall Street Journal called “Ask Ariely.” Dan can be found at www.danariely.com.

Speaker Series Events

APPLIED RISK ANALYSIS INVITED SPEAKER LECTURE AND LUNCHEON

Monday, July 31, 11:30 am – 1:00 pm

Lincolnshire III, 6th floor

** This is a ticketed event*



Robert Klein, Georgia State University
“Regulation and Markets in Catastrophe Insurance”

Robert Klein is Associate Professor, and Director of Center for Risk Management and Insurance Research (RMI). Before starting his career at Georgia State in 1996, Klein served as the director of research for the National Association of Insurance Commissioners. He also served as a staff economist for the Michigan Insurance Bureau and the Michigan Senate Fiscal Agency. Klein has written extensively on various topics on insurance and insurance regulation, including the structure and performance of insurance markets, rate regulation, catastrophe insurance problems, urban insurance issues, workers' compensation, international insurance regulation and solvency regulation.

COSBAE, CWAE, & EXTENSION LUNCHEON SPEAKER SERIES

Monday, July 31, 11:30 am – 1:00 pm

Salon III, 7th floor

** This is a ticketed event*



Constance Cullman, Farm Foundation, NFP

Prior to joining the Farm Foundation as its 7th President and Chief Executive Officer in June of 2016, Cullman served as the U.S. Government Affairs Leader for Dow AgroSciences from January 2010-June 2016. Before that she worked at the Corn Refiners Association, the Foreign Agricultural Service of the U.S. Department of Agriculture, the Ohio Farm Bureau Federation, and The Ohio State University College of Food, Agricultural and Environmental Sciences. She holds a bachelor's degree in agricultural economics and a master's in agricultural economics from Ohio State.

EXTENSION SECTION LUNCHEON

Monday, July 31, 11:30 am – 1:00 pm

Addison, 4th floor

** This is a ticketed event*



Scott H. Irwin, University of Illinois at Urbana-Champaign
“Is Farmdoc the Future of Production Ag Extension?”

Dr. Scott H. Irwin is a national and international leader in the field of agricultural economics. His research on agricultural markets is widely-cited by other academic researchers and is in high demand among market participants, policymakers, and the media. He is best known for his work on the impact of speculation in commodity markets. Irwin has published numerous academic articles on the subject and has been called upon to provide testimony before the U.S. Congress, the OECD, and the CFTC, as well as publishing op-ed articles in the New York Times and Washington Times. He is also a well-known innovator in the development of agricultural extension programs that have helped hundreds of thousands of farmers in Illinois, the U.S. and throughout the world make more informed production, marketing, and financial decisions. His vision and leadership have been the driving force behind the award-winning farmdoc project at the University of Illinois since its inception in 1999. Irwin is a member of the Agricultural and Applied Economics Association (AAEA) and was named a Fellow in 2013, the highest honor bestowed by the Association. He has also received the Distinguished Group Extension Program Award (three times), the Quality of Communication Award, and Quality of Research Discovery Award from the AAEA.

Speaker Series Events

INTERNATIONAL LECTURE AND RECEPTION

Monday, July 31, 8:00 pm – 9:30 pm

Chicago Ballrooms A, B, & C, 5th floor

** This is a ticketed event*



Christopher Udry, Yale University

Christopher Udry is one of the foremost U.S. authorities on rural economic development in Africa. He has conducted path breaking research on technological change in agriculture, the use of financial markets, asset accumulation and gift exchange to cope with risk, gender relations and the structure of household economies, property rights and other aspects of rural economic organization. Early in his career he taught as a secondary school teacher in northern Ghana, later serving as a visiting scholar at the University of Ghana and Ahmadu Bello University in Nigeria. Most recently, as Henry J. Heinz II Professor of Economics at Yale.

Dr. Udry directed the Economic Growth Center and served as the Chair of the Department of Economics. This year he rejoined Northwestern University, where he began his academic career, as one of the guiding lights in the university's research on global issues. Among numerous honors, Udry is a fellow of the Econometric Society and of the American Academy of Arts and Sciences. Earlier this year, he received an honorary degree from the University of Ghana for his "distinguished scholarship" and role in building the capacity of African development economists.

Meeting Timeline

SATURDAY, JULY 29

7:30 am – 2:00 pm

Pre-Conference Workshop: Grant Writing by Early Career Professionals
Lincolnshire I/II, 6th floor

8:00 am – 4:00 pm

Pre-Conference Workshop: Applied Computational Economics
Armitage, 4th floor

8:00 am – 4:00 pm

Pre-Conference Workshop: Econometric Methods for High-Dimensional Data
Chicago Ballroom A and B, 5th floor

2:30 pm – 4:00 pm

Government Relations Committee Meeting
Oldtown, 2nd floor

3:00 pm - 5:00 pm

Agribusiness: An International Journal Business Meeting
Great America I, 6th floor

SUNDAY, JULY 30

Registration Desk Hours: 7:30 am - 7:30 pm, 5th floor

Employment Center Hours: 9:30 am - 5:00 pm, Los Angeles/Miami/Scottsdale, 5th floor

Professional Headshots Hours: 1:00 pm - 6:00 pm, 4th floor

7:30 am – 9:00 am

Section Leader Meeting
Armitage, 4th floor

8:00 am - 11:00 am

C-FARE Board Meeting
Oldtown, 2nd floor

8:00 am – 1:30 pm

AJAE Editor's Meeting
Ohio State, 6th floor

8:00 am – 3:00 pm

GSS Extension Competition
Great America I/II, 6th floor

8:00 am – 12:00 pm / 12:00 pm – 3:00 pm

GSS Case Study Competition
Illinois / Lincolnshire I/II, 6th floor

9:00 am – 10:00 am

FSN Section Business Meeting
Chicago Ballroom A, 5th floor

9:30 am – 10:30 am

Mentorship Committee Meeting
Armitage, 4th floor

Meeting Timeline

SUNDAY, JULY 30

9:30 am – 10:30 am

ARA Section Business Meeting
Chicago Ballroom C, 5th floor

10:00 am – 11:00 am

CWAE Section Business Meeting
Denver, 5th floor

10:00 am – 11:00 am

ESIRC Committee Meeting
Indiana, 6th floor

10:00 am – 11:30 am

Africa Section Business Meeting
Chicago Ballroom B, 5th floor

10:00 am – 12:00 pm

COSBAE Section Business Meeting
Chicago Ballroom A, 5th floor

11:00 am – 12:00 pm

Communications Committee Meeting
Iowa, 6th floor

11:00 am – 12:00 pm

Employment Services Committee Meeting
Los Angeles/Miami/Scottsdale, 5th floor

11:00 am – 12:00 pm

Specialty Crop Economics Section Business Meeting
Armitage, 4th floor

11:00 am – 12:00 pm

BEER Section Business Meeting
Denver, 5th floor

11:30 am – 12:30 pm

AEPP Editorial Board Meeting
Chicago Ballroom C, 5th floor

11:30 am – 12:30 pm

AAEA Trust Committee Meeting
Oldtown, 2nd floor

12:00 pm – 1:00 pm

AFM Section Business Meeting
Chicago Ballroom A, 5th floor

12:00 pm – 1:30 pm

Econometrics Section Business Meeting
Denver, 5th floor

12:00 pm – 2:00 pm

EOHDS Spreadsheet Competition
Chicago Ballroom B, 5th floor



Meeting Timeline

SUNDAY, JULY 30

1:00 pm – 2:30 pm

Teaching, Learning, & Communication Business Meeting
Chicago Ballroom A, 5th floor

1:00 pm – 2:30 pm

International Section Business Meeting
Armitage, 4th floor

1:00 pm – 2:30 pm

NAAEA Business Meeting
Chicago Ballroom C, 5th floor

1:15 pm – 2:15 pm

Membership Committee Meeting
Oldtown, 2nd floor

1:30 pm – 2:30 pm

AJAE Editorial Board Meeting
Ohio State, 6th floor

1:30 pm – 2:30 pm

Experimental Economics Section Business Meeting
Iowa, 6th floor

2:00 pm – 3:00 pm

ENV Section Business Meeting
Illinois, 6th floor

2:30 pm – 3:30 pm

Related Journal Editors' Meeting
Ohio State, 6th floor

2:30 pm – 3:30 pm

Finance Committee Meeting
Oldtown, 2nd floor

2:30 pm – 4:30 pm

Latin American Section Business Meeting and Reception
Chicago Ballroom A, 5th floor

3:00 pm – 4:30 pm

AEM Section Business Meeting
Denver, 5th floor

3:00 pm – 4:00 pm

CRENET Section Business Meeting
Iowa, 6th floor

3:00 pm – 4:00 pm

Senior Section Business Meeting
Indiana, 6th floor

3:00 pm – 5:30 pm

SS-AAEA Student Paper Competition
Lincolnshire II, 6th floor

Meeting Timeline

SUNDAY, JULY 30

3:30 pm – 5:30 pm

Extension Section Business Meeting and Reception
Chicago Ballroom B, 5th floor

3:30 pm – 4:30 pm

Publications Committee Meeting
Oldtown, 2nd floor

3:30 pm – 5:30 pm

Australasia Section and AARES-NAB Business Meeting
Offsite: Timothy O'Toole's Pub, 622 North Fairbanks Ct.

3:30 pm – 5:30 pm

The Intersection of Youth and Agriculture in Africa; The Chicago Council on Global Affairs
Illinois, 6th floor

4:00 pm – 5:30 pm

Food and Marketing Policy Section (FAMPS)
Chicago Ballroom C, 5th floor

4:30 pm – 5:30 pm

Choices Editorial Board Meeting
Oldtown, 2nd floor

4:30 pm – 5:30 pm

Early Career Professionals Networking Reception
Armitage, 4th floor

4:30 pm – 5:30 pm

AEM Section Reception
Denver, 5th floor

5:00 pm – 6:00 pm

COSBAE Section Reception & CWAE Section Reception
Chicago Ballroom A, 5th floor

5:30 pm – 6:30 pm

China Section Business Meeting and Reception
Chicago Ballroom C, 5th floor

6:00 pm – 7:00 pm

Keynote Address: Charles Plott, California Institute of Technology
Salon II/III, 7th floor

7:00 pm – 8:00 pm

Welcome Reception
Salon I, 7th floor

7:00 pm – 9:00 pm

SS-AAEA Undergraduate Mixer/Academic Bowl Orientation
Chicago Ballroom A, 5th floor

Meeting Timeline

REUNIONS AND RECEPTIONS

8:00 pm – 10:00 pm

Various Rooms, 4th floor

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

Addison & Clark

CAES Canadian Agricultural Economics Society

Grace

Cornell University, The Pennsylvania State University

Sheffield

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

Armitage & Belmont

MONDAY, JULY 31

Registration Desk Hours: 7:30 am - 5:00 pm, 5th floor

Employment Center Hours: 9:30 am - 5:00 pm, Los Angeles/Miami/Scottsdale, 5th floor

Connection Center Hours: 8:00 am - 6:00 pm, Halstead Foyer, 4th floor

Exhibit and Poster Hall Hours: 8:00 am - 6:00 pm, Chicago Ballroom D-H, 5th floor

8:00 am – 9:00 am

AAEA Business Meeting

Grand Ballroom Salon II/III, 7th floor

8:00 am – 9:00 am

Coffee/Networking Break

Chicago Ballroom D-H, 5th floor

Grand Salon Ballroom Foyer, 7th floor

8:00 am – 4:00 pm

SS-AAEA Academic Bowl

Chicago Ballroom A, B, & C, 5th floor

8:00 am – 4:00 pm

Undergraduate Recruitment Fair

Denver, 5th floor

8:30 am – 9:30 am

AAEA Presidential Address: Scott Swinton, Michigan State University

Salon II/III, 7th floor

10:00 am – 11:30 am

Concurrent Sessions (see page 39)

11:30 am – 1:00 pm

Networking Break

Chicago Ballroom D-H, 5th floor

Meeting Timeline

MONDAY, JULY 31

11:30 am – 1:00 pm

Applied Risk Analysis (ARA) Invited Speaker Lecture and Luncheon
Lincolnshire, 6th floor

11:30 am – 1:00 pm

Extension Section Luncheon
Addison, 4th floor

11:30 am – 1:00 pm

CWAE, COSBAE, and Specialty Crop Economics Speaker Series & Luncheon
Salon III

1:00 pm – 2:30 pm

Concurrent Sessions (see page 38)

1:30 pm – 4:00 pm

GSS Case Study Finals
Watertown and O'Hare, 10th floor

2:45 pm – 4:15 pm

Concurrent Sessions (see page 38)

4:15 pm – 5:30 pm

Poster Reception
Chicago Ballroom, 5th floor

5:30 pm – 6:30 pm

Monday Poster Takedown
Chicago Ballroom, 5th floor

5:30 pm – 6:00 pm

SS-AAEA Academic Bowl Finals
Salon II/III, 7th floor

6:00 pm – 7:15 pm

AAEA Awards and Fellows Recognition Ceremony
Salon III/III, 7th floor

8:00 pm – 9:00 pm

SS-AAEA Student Section Business Meeting
Kane, 3rd floor

8:00 pm – 9:30 pm

International Section Lecture and Reception
Chicago Ballroom A, B, & C, 5th floor

Meeting Timeline

MONDAY, JULY 31

REUNIONS AND RECEPTIONS

9:00 pm – 11:00 pm

Various Rooms, 4th floor

China Agriculture University (CAU), Nanjing Agriculture University, Renmin University of China (RUC), Zhejiang University (ZU)

Halstead Foyer

Iowa State University, University of Minnesota, University of Wisconsin-Madison

Grace

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

Addison

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

Clark

Michigan State University, The Ohio State University

Belmont

Purdue University, University of Illinois at Urbana-Champaign

Armitage

Oregon State University, Washington State University, University of Idaho

Sheffield

TUESDAY, AUGUST 1

Registration Desk Hours: 7:30 am – 4:00 pm, 5th floor

Employment Center Hours: 9:30 am – 4:00 pm, Los Angeles/Miami/Scottsdale, 5th floor

Connection Center Hours: 8:00 am – 6:30 pm, Halstead Foyer, 4th floor

Exhibit Booth Hours: 8:00 am – 3:00 pm

Poster Hall Hours: 8:00 am – 3:00 pm

7:00 am – 8:00 am

Tuesday Poster Setup

Chicago Ballroom D-H, 5th floor

8:00 am – 9:00 am

Coffee/Networking Break

Chicago Ballroom D-H, 5th floor

8:30 am – 9:30 am

AAEA Fellows Address: Julian Alston, University of California, Davis

Salon III/III, 7th floor

10:00 am – 11:30 am

Concurrent Sessions (see page 38)

10:00 am – 11:30 am

How to Find a Job at ASSA

Salon III, 7th floor

Meeting Timeline

TUESDAY, AUGUST 1

11:30 am – 1:15 pm

Poster Reception
Chicago Ballroom D-H, 5th floor

11:30 am – 12:30 pm

Galbraith Committee Meeting
Navy Pier, 10th floor

11:30 am – 12:45 pm

C-FARE Update – Special Focus: Evidence Based Policy
Chicago Ballroom A, 5th floor

11:30 am – 12:30 pm

IBES Section Business Meeting
O'Hare, 10th floor

1:15 pm – 2:45 pm

Working with Members of the Media
Clark, 4th floor

1:15 pm – 2:45 pm

Concurrent Sessions (see page 38)

3:00 pm – 4:00 pm

Tuesday Poster Takedown
Chicago Ballroom D-H, 5th floor

3:00 pm – 4:30 pm

Concurrent Sessions (see page 38)

4:30 pm – 4:45 pm

Coffee/Networking Break
Halstead Foyer, 4th floor

4:45 pm – 6:15 pm

Concurrent Sessions (see page 38)

6:30 pm – 7:30 pm

AAEA Galbraith Forum: Dan Ariely, Duke University
Salon II/III, 7th floor

7:30 pm – 8:30 pm

Closing Reception
Salon I, 7th floor

Meeting Timeline

WEDNESDAY, AUGUST 2

8:00 am – 5:00 pm

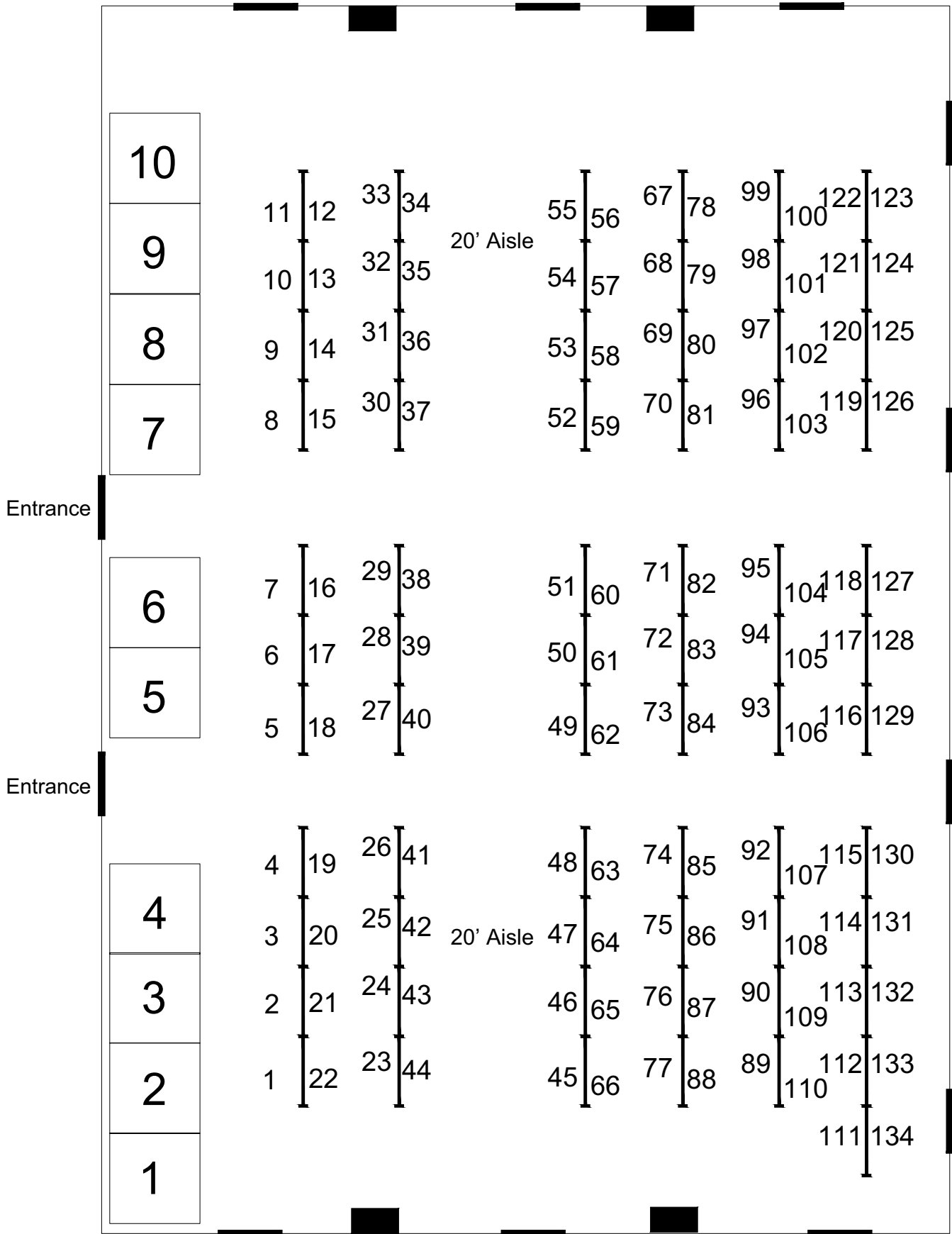
Post-Conference Workshop: NIFA Agricultural Economics and Rural Communities Project Directors Workshop
Northwestern/Ohio State/Purdue/Wisconsin, 6th floor

8:30 am – 12 :30 pm

Post-Conference Workshop: Recent Developments in Experimental Economics
Los Angeles/Miami/Scottsdale, 5th floor

8:00 am - 4:30 pm

Post-Conference Workshop: Extension Tour
Meet in Hotel Lobby at 7:30 am



Posters

Chicago Ballroom D-H, 5th Floor

Posters will be on display on Monday or Tuesday, with poster authors available during the Poster Reception on Monday from 4:15 pm – 5:30 pm, or the Poster Reception on Tuesday from 11:30 am – 1:15 pm. The M or T at the beginning of each poster number defines which day the poster will be on display. Setup and take down times for each day are below:

MONDAY POSTERS

Poster Setup: Sunday, July 30, 8:00 am – 4:00 pm
Monday, July 31, 7:00 am – 8:00 am

Poster Reception: 4:15 pm – 5:30 pm

Poster Take Down: Monday, July 31, 5:30 pm – 6:30 pm

TUESDAY POSTERS

Poster Setup: 7:00 am – 8:00 am

Poster Reception: 11:30 am – 1:15 pm

Poster Take Down: 3:00 pm – 4:00 pm

Agribusiness Economics and Management

- M01** What Factors Limit Quality Assurance Program Implementation in Shanghai's Food Manufacturing Companies?
Qijun Jiang, Shanghai Ocean University; Wojciech J. Florkowski, University of Georgia
- M02** Asymmetric Price Volatility Interaction between U.S. Food and Energy Markets
Sayed H. Saghaian, University of Kentucky; Mehdi Nemati, University of Kentucky; Cory G. Walters, University of Nebraska-Lincoln; Bo Chen, University of Kentucky
- M03** The Determinant of U.S. Consumer Attitudes Toward Solar Energy Policy
Chao-lin Lu, University of Florida; Zhifeng Gao, University of Florida; Lisa A. House, University of Florida; Gulcan Onel, University of Florida
- M04** Can U.S. Agriculture Provide Agro-Pharms for Malaria Treatment?
Chong Zhao, Purdue University; Gregory J. Colson, University of Georgia; Hazel Wetzstein, Purdue University; Justin Porter, Purdue University; Michael E. Wetzstein, Purdue University
- M05** Farmland Use Decisions and Grassland Conversion in the Dakotas: 2015 Survey and Analysis
Moses Luri, Washington State University; Larry L. Janssen, South Dakota State University; David A. Hennessy, Michigan State University; Hongli Feng, Michigan State University
- M06** The Impact of Minimum Wage on Food Away from Home Expenditure Using Structural Equation Model
Jun Ho Seok, University of Kentucky; GwanSeon Kim, University of Kentucky; Tyler B. Mark, University of Kentucky
- M07** The Cost of Forward Contracting in CIF NOLA Export Bid and Barge freight Markets
Andrew M. McKenzie, University of Arkansas; Wade Brorsen, Oklahoma State University; Bradley J. Isbell, University of Arkansas
- M08** Estimating how grower perceptions of transactions costs vary by market channel and farm characteristics
Jacob N. Brimlow, California State University, Chico; Naomi Stamper, Center for Healthy Communities, California State University, Chico
- M09** Land Tenure and Adoption of Straw Retention: Evidence from Chinese Grain Crop Growers
Li Gao, The Ohio State University; Yu Song, Henan Agricultural University, China; Yingdan Mei, China University of Petroleum-Beijing; Wendong Zhang, Iowa State University; Shuqin Jin, Research Center for Rural Economy, Ministry of Agriculture, China
- M10** The Role of Pig Diseases in Structural Change in the Canadian Pig Industry
Yanan Zheng, University of Alberta; Ellen W. Goddard, University of Alberta; Feng Qiu, University of Alberta
- M11** An Empirical Evaluation of Price Linkages in the International Corn Market
Shenan Wu, North Carolina State University

Posters

- M12** Recycling Irrigation Water on Ornamental Nursery Operations: Will Consumer Premiums Compensate for Grower Adoption Costs?
Xiang Cao, Virginia Tech; Darrell J. Bosch, Virginia Tech; Jim Pease, Virginia Tech
- M13** Private R&D Investment, Sales, and Profits in the U.S. Food and Agricultural Sectors, 1950-2014
Kyuseon Lee, University of Minnesota; Philip G. Pardey, University of Minnesota; Steven P. Dehmer, HealthPartners Institute; Steve J. Miller, University of Minnesota
- M14** Price Discovery and Hedging Effectiveness in the Live Cattle Futures Market
David P. Anderson, Texas A&M University; Chengcheng Fei, Texas A&M University; Reid Stevens, Texas A&M; Dmitry Vedenov, Texas A&M University
- M15** Stochastic Optimization of Switchgrass-based Biofuel Supply Chain Considering Feedstock Yield Uncertainty and Risk Preference of Investors
Bijay P. Sharma, University of Tennessee; Tun-Hsiang Edward Yu, University of Tennessee; Burton C. English, University of Tennessee
- M16** Does Environmental Innovation Increases Voluntary Pollution Reduction Program Participation?
Shicong Xu, The Ohio State University; Abdoul G. Sam, The Ohio State University
- M17** Good Agricultural Practices, Farm Income, and Fertilizer Usage: Empirical Evidence from Smallholders in Nepal
Subir K. Bairagi, International Rice Research Institute; Ashok K. Mishra, Arizona State University; Anil Giri, University of Central Missouri
- M18** The Effect of Diversification on Farm Resilience: A Longitudinal Analysis of Kansas Farms
Michael B. Lindbloom, Kansas State University; Aleksan Shanoyan, Kansas State University; Terry W. Griffin, Kansas State University

Ag Finance and Farm Management

- M19** The Weather Premium in the U.S. Corn Market
Ziran Li, Iowa State University; Dermot J. Hayes, Iowa State University; Keri L. Jacobs, Iowa State University
- M20** Margin Protection for Corn and Soybean: A Lévy Subordinated Hierarchical Archimedean Copula Approach
Serkan Aglasan, North Carolina State University; Barry K. Goodwin, North Carolina State University
- M21** A panel study of Iowa Farm Financial Conditions: 2014-2016
Alejandro Plastina, Iowa State University
- M22** The Determinants of Loan Acceptance: A Case Study of French Farms
Geoffroy Enjolras, University Grenoble Alpes, CERAG; Philippe Madiès, University Grenoble Alpes, CERAG
- M23** Farmland Value Expectation and Its Impact on Farmland Market: Evidence from Surveys of Agricultural Professionals Since 1964
Dermot J. Hayes, Iowa State University; Wendong Zhang, Iowa State University; Jiayou Mei, Iowa State University
- M24** Dairy Farm Management Priorities and Implications
John Lai, Purdue University; Nicole Widmar, Purdue University; Christopher A. Wolf, Michigan State University
- M25** Farm Household Health Insurance Coverage: New Evidence from the Post-Affordable Care Act Implementation Era
James M. Williamson, USDA-Economic Research Service; Daniel Prager, Economic Research Service; Cristina Miller, USDA-Economic Research Service
- M26** The Worldwide Impact of the WASDE Report
Michael K. Adjemian, USDA-Economic Research Service; Carlos Anthony Arnade, USDA-Economic Research Service; David Boussios, USDA-Economic Research Service
- M27** Economies of Scale and Scope in U.S. Agricultural Banks
Madhav Regmi, Kansas State University; Allen M. Featherstone, Kansas State University; Cortney A. Cowley, Federal Reserve Bank of Kansas City; Mykel R. Taylor, Kansas State University
- M28** Estimating the Economic Impact of Invasive Pests: The Case of the Sugarcane Aphid Outbreak
Samuel D. Zapata, Texas A&M University; Rebekka M. Dudensing, Texas A&M AgriLife Extension Service

Posters

- M29** Impacts of the U.S. Ethanol Boom on Intermodal and Intramodal Competition in Corn Transportation Markets
Heidi Schweizer, University of California, Davis
- M30** Wheat Nitrogen Response Conditional on Past Yield and Weather: A Step in Making Use of Big Data
Brian Mills, Oklahoma State University; Wade Brorsen, Oklahoma State University; Emilio Tostão, University Eduardo Mondlane in Maputo

Behavioral & Institutional Economics

- M31** An Experimental Economics Investigation of Public Acceptability and Land Value Taxation
Joshua M. Duke, University of Delaware; TianHang Gao, University of Delaware
- M32** Consumers' Willingness to Waste Food: Attitude toward Environmentally Responsible Behavior and Food Expiration
Nina Jovanovic, Purdue University; Bhagyashree Katare, Purdue University; Kar Ho Lim, Tennessee State University
- M33** Do Japanese Accept Cultured Meat for Increasing Meat Demand?
Koichi Yamaura, Tokyo University of Agriculture and Technology; Hikaru Hanawa Peterson, University of Minnesota
- M34** Gender Productivity Differentials in South Guinea Savannah Region of Nigeria: A Case Study of Drought Tolerant Maze Variety On-farm Trials
Opeyemi E. Ayinde, University of Ilorin; Abdoulaye Tahirou, International Institute of Tropical Agriculture; Gbadebo Olaoye, University of Ilorin; Amare Tegaru, International Institution of Tropical Agriculture
- M35** Consumer Purchase Intentions for Carnosine-enhanced Pork - A Functional Food
Arenna Arenna, University of Alberta; Ellen W. Goddard, University of Alberta
- M36** Investigating the Effects of the Medical Marijuana Law on High School Graduation
Yajuan Li, Texas A&M University; Marco A. Palma, Texas A&M University
- M37** Whether Residents' Environmental Risk Perceptions Affect Their Attitudes toward Medical Insurance: Evidence from China
Jinxiu Ding, Xiamen University; Chin-Hsien Yu, Southwestern University of Finance and Economics; Ding Li, Southwestern University of Finance and Economics; Lei Fang, Southwestern University of Finance and Economics
- M38** Quantifying Consumer Preferences in Wine Markets using Google Trends
Kuan-Ju Chen, Washington State University; Kuan-Heng Chen, Stevens Institute of Technology
- M39** An Analysis of Multiple Treatment Effects for Recidivism in the State of Washington
Pak-Sing Choi, Washington State University; Kuan-Ju Chen, Washington State University; Ming-Li Hsieh, University of Wisconsin-Eau Claire; Zachary Hamilton, Washington State University

Demand and Price Analysis

- M40** A Structural Model of Pre-committed Demand: The Case of Food Demand in China
Vardges Hovhannisyan, University of Wyoming; Vardan Urutyan, Armenian Agri Academy
- M41** Modeling Supply and Demand in the Chinese Automobile Industry
Yuan Chen, University of California, Davis; C.-Y. Cynthia Lin Lawell, University of California, Davis; Erich Muehlegger, University of California, Davis; Yunshi Wang, University of California, Davis
- M42** Quantifying the Structure of Food Demand in Russia Using Provincial-Level Panel Data on Food Consumption
Vardges Hovhannisyan, University of Wyoming; Aleksan Shanoyan, Kansas State University
- M43** The Impact of Domestic and Import Prices on U.S. Lamb Imports: An Update
Amanda (Leister) Countryman, Colorado State University; Danielle Ufer, Colorado State University; Andrew Muhammad, USDA-Economic Research Service
- M44** Consumer Preferences for E-Cigarette Attributes: Big Data Analytics Using Homescan Data with Policy Simulations
Samane Zarebanadkoki, University of Kentucky; Yuqing Zheng, University of Kentucky; Steven C. Buck, University of Kentucky
- M46** Beef Quality Perceptions and Preferences in Ecuador
Maria J. Castillo, ESPOL; Carlos E. Carpio, Texas Tech University
- M47** Medals and Wine Prices
Jean-Marie Cardebat, University of Bordeaux; Emmanuel Paroissien, CREST; Michael Visser, CREST

Posters

- M48** Does Water Metering Incentivizes Pro Conservation Preferences: A study from Lahore, Pakistan
Syed M. Hasan, Lahore University of Management Sciences; Hassan Mahmood, Punjab Economic Research Institute; Annus Azhar, Punjab Economic Research Institute
- M49** Evaluation of the Performance of Large Scale Economic Models
Scott Gerlt, University of Missouri; Patrick C. Westhoff, University of Missouri
- M50** Spatial Integration of Agricultural Land Markets
Matthias Ritter, Humboldt-Universität zu Berlin; Xinyue Yang, Humboldt-Universität zu Berlin; Martin Odening, Humboldt-Universität zu Berlin
- M51** Spatial Price Transmission and the Extent of the Market: Price Behavior in the United States Broiler Chicken Market
Barry K. Goodwin, North Carolina State University; Dylan D. Bouchard, University of Maine
- M52** Aid and Trade: An Assessment of the United States Economic Aid to Developing Nations
Kayode M. Ajewole, Kansas State University
- M53** Dynamic Impacts of Grain Policy Changes on Chinese Soybean Price
Doo Bong Han, Korea University; Eunbee Lee, Agricultural Outlook Center, Korea Rural Economic Institute; Shubo Chang, Korea University
- M54** Assessing the Value Of Quality And Food Safety Related Attributes: A Hedonic Analysis of Chinese Meat Prices
Thomas I. Wahl, North Dakota State University; Junfei Bai, China Agricultural University; James L. Seale Jr., University of Florida
- M55** Dynamic Integration in the Regional U.S. Natural Gas Markets
Alexandre Ribeiro Scarciuffolo, West Virginia University; Xiaoli L. Etienne, West Virginia University
- M56** Temporary Price Reduction and Price Expectation in U.S. Orange Juice Sales
Hyeyoung Kim, University of Florida; Lisa A. House, University of Florida
- M57** Time Series Forecast Model Selection & Exchange Rate Index For Wholesale Chicken Parts Prices
Chris Sims, University of Arkansas; Harold L. Goodwin Jr., University of Arkansas; Andrew M. McKenzie, University of Arkansas; Bruce L. Dixon, University of Arkansas; Rodolfo M. Nayga, University of Arkansas
- M58** Identifying Dynamic Relationships and Market Structures among U.S. Dairy Commodity Prices
Hernan A. Tejada, University of Idaho; Man-Keun Kim, Utah State University

Environmental and Nonmarket Valuation

- M59** Calculating Willingness to Pay in Mixed Logit Models
J. Scott Shonkwiler, University of Georgia; Jiabui Ying, University of Georgia
- M60** Ambient Air Pollution and Hospital Admissions: Evidence from South Korea
Moon Joon Kim, North Carolina State University
- M61** Consumption of Common Pool Resources under Altruism and Uncertainty
Kiriti Kanjilal, Washington State University
- M62** Has the Weather Got You Down? The Impact of Temperature on Mental Health
Mengyao Li, University of Georgia; Susana Ferreira, University of Georgia; Travis A. Smith, University of Georgia
- M63** Using the Travel Cost Method to Estimate Fresh-Water Based Recreation in North Central Florida
Bryan H. Nguyen, University of Florida; Xiang Bi, University of Florida
- M64** Farmer Decisions on Nitrogen Application: The Role of Information and Learning
Adam Reimer, Michigan State University; Qi Tian, Michigan State University; Jinhua Zhao, Michigan State University
- M65** Least-cost Travel Cost Estimation Using a Multi-site User Intercept Survey of Southern Lake Michigan Anglers
Ben Gramig, Purdue University; Xiaoyang He, Purdue University
- M66** Gender and Willingness to Pay for Insured Loans: Empirical Evidence from Ghana
Khushbu Mishra, The Ohio State University; Richard Gallenstein, The Ohio State University; Mario J. Miranda, The Ohio State University; Abdoul G. Sam, The Ohio State University

Posters

- M67** Adoption of Biogas: A Story from Rural Pakistan
Waqar Akram, Sukkur Institute of Business Administration; Hemon Das Lohano, Institute of Business Administration; Jan Inayatullah, The University of Agriculture, Peshawar

Experimental Economics

- M68** A Replication and Extension of Hoffman and Spitzer's Coase Theorem Experiments
Jesse D. Backstrom, Texas A&M University; Ryan Rholes, Texas A&M University; Meradee Tangvatcharapong, Texas A&M University; Catherine Eckel, Texas A&M University
- M69** Farmers' preferences for Varietal Trait Improvements: The Case of Rice Farmers
Rio L. Maligalig, The University of Adelaide; Matty Demont, International Rice Research Institute; Wendy J. Umberger, The University of Adelaide; Alexandra Peralta, The University of Adelaide
- M70** Assurance Payments for Threshold Public Goods Provision: Theory and Lab Experiment
Pengfei Liu, University of Connecticut; Stephen K. Swallow, University of Connecticut; Zhi Li, University of Washington
- M71** An Opportunity Overlooked: A Choice Experiment to Estimate Consumers' Willingness to Pay for Locally Grown Fruits
Jason Donovan, World Agroforestry Centre; Trent D. Blare, World Agroforestry Centre; Cesar Del Pozo, Universidad Nacional de La Plata
- M72** Experimental Measures of the Effect of Food Fraud Education on Demand for Local Honey
Chian A. Jones Ritten, University of Wyoming; Mariah D. Ehmke, University of Wyoming; Linda Thunstrom, University of Wyoming; Jenny Beiermann, Colorado State University; Donald Mcleod, University of Wyoming

Food and Agricultural Marketing

- M73** What Drives Organic Decertification? The Case of Certified Fruit and Vegetable Farmers
Ariana Torres, Purdue University; Maria I. Marshall, Purdue University
- M74** Inter-brand Competition of Chain Convenience Stores and Healthcare Utilization: Empirical Evidence Using Administrative Profile of National Health Insurance Program in Taiwan
Hung-Hao Chang, National Taiwan University; Chad D. Meyerhoefer, Lehigh University; National Bureau of Economic Research
- M75** The Long-Term Effects of Marketing Organic Products
Koichi Yonezawa, Cornell University; Miguel I. Gomez, Cornell University; Edward McLaughlin, Cornell University
- M76** Economic and Demographic Factors Affecting the Demand for Fluid Milk Alternative Beverages in the United States
Senarath Dharmasena, Texas A&M University; Jing Li, Texas A&M University; Stephen Cain, Texas A&M University
- M77** Food Sampling's Effectiveness in Inducing Immediate Purchase in Chinese Supermarkets
Lijun Chen, University of Missouri; Joe L. Parcell, University of Missouri
- M78** Causes and Solutions to Non-Convergence in CME Hard Red Winter Wheat Futures
Daniel M. O'Brien, Kansas State University; Glenn A. Barnaby Jr., Kansas State University
- M79** Spatial and Temporal Variation in Price Premiums for Organic Fresh Fruits and Vegetables
Metin Cakir, University of Minnesota; Timothy Beatty, University of California, Davis; Michael A. Boland, University of Minnesota; Timothy A. Park, USDA-Economic Research Service; Yanghao Wang, University of Minnesota
- M80** Individual Differences in Prefrontal Cortex Activity When Looking at Pictures of Poultry Rearing using fNIRs Methodology - Are Shocking Pictures More Powerful?
Antje Risius, University of Göttingen; Stephan G.H. Meyerding, University of Göttingen
- M81** Response of U.S. Soybean Flows to the Panama Canal Expansion: A Positive Mathematical Programming Model
Heidi Schweizer, University of California, Davis
- M82** Hedging Simplified by Automation
Roger A. Dahlgran, University of Arizona
- M83** It's OK – It's Organic! Hedonic Analysis of Snacks
Xiaojin Wang, The Ohio State University; Neal Hooker, The Ohio State University; Kathryn A. Boys, North Carolina State University

Posters

- M84** Brewer Willingness-to-Pay for Local Hops
Kim Ha, Purdue University; Shadi S. Atallah, University of New Hampshire; Christopher R. Gustafson, University of Nebraska-Lincoln
- M85** The Information Contained in the Duration of Prices
Julieta Frank, University of Manitoba; Mehdi Arzandeh, University of Manitoba

Food and Agricultural Policy Analysis

- M86** The Effect of Income on Private-Label Demand of Fluid Milk in the U.S. with a Focus on the Great Recession
Samane Zarebanadkoki, University of Kentucky; Sayed H. Saghaian, University of Kentucky
- M87** Effects of Livestock Mandatory Reporting on Fed Cattle Spot Market Price Volatility: Evidences from United States Regional Cattle Markets.
Bernadette C. Chimai, Oklahoma State University; Chanjin Chung, Oklahoma State University
- M88** The Market Structure for Crop Insurance and the Effects on Insurance Contracts
Nathan D. DeLay, Washington State University; Hayley H. Chouinard, Colorado State University; Cory G. Walters, University of Nebraska; Philip R. Wandschneider, Washington State University
- M89** Disparity in Yields from NASS and RMA: Implication for ARC-CO Program
Zhiwei Shen, Mississippi State University; Xiaofei Li, Mississippi State University; Ardian Harri, Mississippi State University; Keith H. Coble, Mississippi State University
- M90** Contributing to Economic Development in Sub-Saharan Africa through Value-Added Agriculture
Norbert L. W. Wilson, Tufts University; Bley Cynthia N'dede Hourizene, Auburn University
- M91** Understanding the Determinants of Diet Diversity and Healthy Eating Among Urban Households in the Pacific
Anna Finizio, Centre for Global Food and Resources; Sharmina Ahmed, Centre for Global Food and Resources; Wendy J. Umberger, The University of Adelaide
- M92** The Effect of 'Traffic Light' Nutritional Labelling on Consumer Purchase Behavior in Ecuador
Luis A. Sandoval, Texas Tech University; Carlos E. Carpio, Texas Tech University
- M93** Immigration Status and Workers' Willingness to Stay in Farm Work
Zhengfei Guan, University of Florida; Berdikul Qushim, University of Florida; Feng Wu, University of Florida
- M94** Are Millennials More Green? A Consumer vs. Citizen Analysis of Dairy Product Preferences in Canada
Albert K. Boaitay, University of Alberta; Ellen W. Goddard, University of Alberta
- M95** The Joy of Cooking? Analysis of Well-Being in Food Activities and Implications for Nutrition Policies
Yu Sun, Virginia Tech; Wen You, Virginia Tech; George C. Davis, Virginia Tech
- M96** The Cost of Nutrition and How It Has Changed over Time
Melissa A. Wright, Washington State University; Hayley H. Chouinard, Colorado State University; Jeffrey T. LaFrance, Monash University; Philip R. Wandschneider, Washington State University
- M97** Does New Rural Social Pension Insurance Relieve Depression of the Elderly in Rural China: Evidence from the China Health and Retirement Longitudinal Study
Xiaodong Zheng, China Agricultural University; Xiangming Fang, China Agricultural University; Brian Barger, Georgia State University
- M98** Incentives for Innovation in Food Animal Health: Antibiotics
Matthew S. Clancy, USDA-Economic Research Service; Stacy E. Sneeringer, USDA-Economic Research Service
- M99** Effectiveness of Alcohol Advertising Regulation in the Presence of Online Advertising
Xi He, University of Connecticut
- M100** Assessing Household Food Loss: An Efficiency Analysis
Yang Yu, The Pennsylvania State University; Edward C. Jaenicke, The Pennsylvania State University
- M101** A Median Voter Analysis of Right-to-Farm Constitutional Amendments
Levi A. Russell, University of Georgia; Joshua Hall, University of West Virginia; James Henderson, University of Georgia

Posters

- M102** An Econometric Analysis of the Effects of Tomato Suspension Agreements on Price Dynamics
Feng Wu, University of Florida; Zhengfei Guan, University of Florida
- M103** Firm Learning and Food Product Recalls: An Application of Recurrent Event Survival Analysis to Food Recalls
Veronica F. Pozo, Utah State University; Sherzod B. Akhundjanov, Utah State University; Briana Thomas, Utah State University
- M104** Spending in Agricultural Research and Development and Food Security in Sub-Saharan Africa
Patrick Kanza, Oklahoma State University; Jeffrey D. Vitale, Oklahoma State University
- M105** A Model to Predict How Consumers Will Respond to FDA Health Information and Warnings
Dallas W. Wood, RTI International
- M106** An Agent-based Model of Bt Corn Adoption and Insect Resistance Management
Yuji Saikai; Paul D. Mitchell, University of Wisconsin–Madison
- M107** Weather Risk and Input Use Amongst Cotton Growers in Pakistan
Hira Channa, Purdue University; Jacob Ricker-Gilbert, Purdue University; Gerald E. Shively, Purdue University; David J. Spielman, International Food Policy Research Institute
- M108** Predicting the Effects of Sugar-sweetened Beverage Taxes under Different Information Regimes
Sunjin Ahn, Oklahoma State University; Jayson L. Lusk, Purdue University
- M109** The Influence of Campaign Donations on the Political Allocation of Ad-Hoc Disaster Subsidies
Scott Callaban, North Carolina State University

Food Safety and Nutrition

- M110** Eat at Home or Away from Home? The Role of Grocery and Restaurant Food Sales Taxes
Yuqing Zheng, University of Kentucky; Diansheng Dong, USDA-Economic Research Service; Shaheer Burney, University of Kentucky; Harry M. Kaiser, Cornell University
- M111** How Scary are Food Scares? Volatility Spillover from Animal Disease Outbreaks
Dwight M. Houser, University of Georgia; Berna Karali, University of Georgia
- M112** Evaluating the Nutritional Quality of Fish Farming Households in Ghana
Akua S. Akuffo, Purdue University; Kwamena K. Quagrainie, Purdue University
- M113** What Drives Household's Healthy Food Choices? Evidence from FoodAPS
Xi He, University of Connecticut; Zhenshan Chen, University of Connecticut
- M114** The Impact of NuVal Shelf Nutrition Labels on Consumer Purchasing Decisions: Evidence from Frozen Dinner
Grace Melo, University of Georgia; Chen Zhen, University of Georgia; Gregory J. Colson, University of Georgia
- M115** Food Waste, Impulsivity and Risk: Heterogeneous Behavioral Responses
Vaneesha Dusoruth, University of Mauritius; Hikaru Hanawa Peterson, University of Minnesota
- M116** Nutrition-sensitive Aid and Extreme Hunger
Sergio Gomez Y Paloma, European Commission, Joint Research Centre; Silvia Saravia-Matus, International Consultant; Sébastien Mary, DePaul University
- M117** Food Market Modernization and Diet-related Health Outcomes: Evidence from Urban Vietnam
Di Zeng, The University of Adelaide; Wendy J. Umberger, The University of Adelaide; Jesmin Ara Rupa, The University of Adelaide
- M118** How Much Does Food Environment Matter: A Case Study of the Value of Food Environment in Dan River Region
Ling Yu, Virginia Tech; Wen You, Virginia Tech; Jennie Hill, University of Nebraska Medical Center
- M119** Food Safety Choices of U.S. Local Produce Farms
Iryna Demko, The Ohio State University; Ioana (Julia) I. Marasteanu, U.S. Food and Drug Administration; Ani Katchova, The Ohio State University
- M120** Shopping Trip Patterns and Purchase Quality
Jackie Yenerall, Tennessee Department of Health; Wen You, Virginia Tech; Jennie Hill, University of Nebraska Medical Center
- M121** Fruit Consumption Patterns Across Cultures: A Cluster Analysis
Yan Heng, University of Florida; Lisa A. House, University of Florida

Posters

- M122** Improved Understanding of Risk Perception Impacts on Food Handling Practices
Keith S. Evans, University of Maine; Mario F. Teisl, University of Maine; Sherry T. Liu, U.S. Food and Drug Administration; Amy Lando, U.S. Food and Drug Administration; Angela Daley, University of Maine
- M123** The Availability and Demand for Whole-wheat Bread among WIC Households
Hayden Stewart, USDA-Economic Research Service; Jeffrey Hyman, USDA-Economic Research Service; Diansheng Dong, USDA-Economic Research Service; Patrick W. McLaughlin, USDA-Economic Research Service
- M124** Economic Impact of Mycotoxin Contamination in Food and Feed in the U.S.
Aliya Sassi, Food and Drug Administration; Peter Vardon, Food & Drug Administration; Brenna Flannery, U.S. Food and Drug Administration
- M125** Assessing the Role of Auto Consumption in Rural Households' Food Security in Developing Countries: Evidence from Mexico
Miriam Juarez-Torres, Banco de Mexico

Risk and Uncertainty

- M126** Similia Similibus Curantur: Farm Level Risk Balancing Behavior
Aderajew AS Tamirat, Maastricht University; Joost M. E. Pennings, Maastricht University / Wageningen University; Andres A. Trujillo-Barrena, Wageningen University
- M127** Agricultural Price Volatility and International Investment Decisions in the Food Processing Industry
Mankan M. Koné, Laval University; Carl Gaigné, INRA; Lota D. Tamini, Laval University
- M128** Willingness to Pay for Tomato Price Insurance in Beijing-Tianjin-Hebei
Xue Guan, China Agricultural University; Bruce L. Abrendsen, University of Arkansas; Yumei Liu, China Agricultural University
- M129** Economics of Agricultural Aviation Industry in the United States: Optimum Applicator Pricing, Effects of Regulation and Efficacy of Technologies
Senarath Dharmasena, Texas A&M University; Daniel Martin, USDA-Agricultural Research Service; Stephen Cain, Texas A&M University
- M130** Spatially Smoothed Crop Yield Density: Physical Distance vs Climate Similarity
Eunchun Park, Oklahoma State University; Wade Brorsen, Oklahoma State University; Ardian Harri, Mississippi State University
- M131** Off-farm Income: A Risk Management Strategy for Farm Households?
Silke Huettel, University Rostock; Irina Murtazashvili, Drexel University; Meike Weltin, Leibniz Centre for Agricultural Landscape Research; Kenneth W. Erickson, USDA-Economic Research Service
- M132** Optimal Contracting and the Economics of Perennial Energy Crops
Tanner McCarty, Purdue University; Juan Pablo Sesmero, Purdue University; Ben Gramig, Purdue University
- M133** Evaluating the impact of timely disaster response in the Philippines
Aurelie P. Harou, McGill University; Daniel E. Osgood, Columbia University; Katya Vasilaky, Columbia University
- M134** The Effect of Price Risk and Market Participation on the Demand for Nutrition among Agricultural Households in Bangladesh
Kelly A. Davidson, University of Florida; Jaclyn D. Kropp, University of Florida

Household and Labor Economics

- T01** Achieving Economic Self-Sufficiency: Evidence from a Moving to Work Self-Sufficiency Program
Han Bum Lee, University of Illinois at Urbana-Champaign; Paul E. McNamara, University of Illinois at Urbana-Champaign
- T02** Identifying the Effects of Migration and Remittances on Parental Health: Evidence from Left-Behind Elders in China
Chang Liu, Nanjing Agricultural University; Fujin Yi, Nanjing Agricultural University, China; Yufeng Luo, Nanjing Agricultural University
- T03** The Impact of H1B Reform Act on High-skilled Labor Market
Yinjunjie Zhang, Texas A&M University; Marco A. Palma, Texas A&M University
- T04** A Life Cycle Model of Childbearing and Saving Decisions with Incomplete Financial Markets and Sex Selection
Yu Zhang, The Ohio State University; Mario J. Miranda, The Ohio State University

Posters

- T05** Can Migration Decisions be Affected by Land Resource Endowment? A Heterogeneity View
Zhongyuan Liu, University of Georgia; Huiguang Chen, Nanjing Agricultural University
- T06** Internet Usage and Rural Entrepreneurship in China
Jianmei Zhao, Central University of Finance and Economics
- T07** Returns to Household Wealth and Wealth Inequality in China: New Evidence from the China Household Finance Survey
Yaxi Chen, University of California, Davis
- T08** Givers of Great Dinners Know Few Enemies: The Impact of Household Food Security on Micro-level Communal Conflict in Eastern Democratic Republic of Congo
Shabriar Kibriya, Conflict and Development Center; Naureen Fatema, McGill University
- T09** Does Parental Education Investment Increase When Parental Perception of Children's Ability Increases?
Tianqi Gan, University of Maryland
- T10** Estimating the Impact of Information Search, Attitudes, and Consumer Characteristics on use of GE Labels in a Mandatory GE Labeling Policy Environment
Jane M. Kolodinsky, University of Vermont; Sean Morris, University of Vermont
- T11** The Impact of Immigration on the U.S. Agricultural Labor Market Outcomes
Xuan Wei, University of Florida; Hayk Khachatryan, University of Florida
- T12** Combating Poverty in the Presence of Shocks: The Targeting the Ultra-Poor (TUP) Program and Rising Food Prices in Bangladesh
Marup Hossain, University of Florida; Conner C. Mullally, University of Florida
- T13** The Affordable Care Act: Does the ACA Mean Less Out-of-pocket Health Care Expenditure and Better Health?
Rui Chen, Auburn University

Industrial Org./Supply Chain Management

- T14** Predatory Pricing and Trade War: Evidence from the U.S. Solar Industry
Wenjun Wang, University of Maryland
- T15** Concentration, Market Size and Barriers: an Empirical Investigation
Aytac Erdemir, Norwegian Institute of Bioeconomy Research
- T16** The Welfare Impacts of Demand-Enhancing Agricultural Innovations: The Case of Honeycrisp Apple
Yanghao Wang, University of Minnesota; Metin Cakir, University of Minnesota
- T17** Economies of Scope in Food Processing: The Competitive Implications for Agricultural Producers and Consumers
Tian Xia, Kansas State University; Xianghong Li, Kansas State University
- T18** Firm Flexibility in the EU Dairy Processing Industry
Stefan Hirsch, ETH Zurich; Robert Finger, ETH Zurich; Ashok K. Mishra, Arizona State University
- T19** Determinants of Successful Product Innovations in the EU Food Industry
Patricia Kerssenbrock, University of Bonn; Stefan Hirsch, ETH Zurich; Monika Hartmann, University of Bonn
- T20** General Equilibrium Impacts under Imperfect Agricultural Markets
Anubhab Gupta, University of California, Davis; Justin Kagin, Kagin's Consulting; Richard J. Sexton, University of California, Davis; J. Edward Taylor, University of California, Davis

International Development

- T21** Does Relative Deprivation Induce Migration? Evidence Using Multidimensional Poverty Index in Uganda
Kashi Kafle, University of Illinois at Urbana-Champaign; Rui Benfica, World Bank; Paul Winters, International Fund for Agricultural Development
- T22** Supply-side Crowding-out and Crowding-in Effects of Malawi's Farm Input Subsidy Program on Private-sector Input Marketing: A Quasi-experimental Field Study
Stevier Kaiyatsa, Government of Malawi; Charles Jumbe, Bunda College; Jacob Ricker-Gilbert, Purdue University

Posters

- T23** Sifting Through the Weeds: The Impact of Weeding Labor and Soil Organic Carbon on Maize and Fertilizer Profitability in Central Malawi
Sarah A. Kopper, Michigan State University; Thomas S. Jayne, Michigan State University; Sieglinde S. Snapp, Michigan State University
- T24** Constructing Rigorous Relative Price Indices of Agricultural Land in the Developed and Developing World
Richard F. Nehring, USDA-Economic Research Service; Jonathan McFadden, USDA-Economic Research Service; Virgil Eldon Ball, USDA-Economic Research Service; Nilabja Ghosh, Institute of Economic Growth; David Marquardt, USDA-Economic Research Service; Thomas Reinsch, USDA-Natural Resources Conservation Service
- T25** Is the speed of technology diffusion the same as that of technology adoption? Evidence from duration analysis of the adoption of rice varieties in Indonesia
Ahsanuzzaman Ahsanuzzaman, North South University; Mywish K. Maredia, Michigan State University
- T26** The Paradox of Ethiopian Economic Growth, Famine and Youth Migration
Zelalem Chala, Virginia International University
- T27** Ex-ante Investment Under Risk: Drought Tolerant Maize Adoption in East Africa
Laura A. Paul, University of California, Davis
- T28** Households' Preferences for Attributes of Conditional Cash Transfer Programs: A Choice Experiment in Ghana
Felix K. Yeboah, Michigan State University; Frank Lupi, Michigan State University; Michael D. Kaplowitz, Michigan State University; John M. Kerr, Michigan State University
- T29** Land Inequality and the Provision of Public Works
Yanan Li, Cornell University
- T30** The Impact of Remittances on Educational Investment and Gender Gap in Nigeria
Tomoko Utsumi, University of Minnesota
- T31** What Drives Adoption of Sustainable Intensification Practices Among Smallholder Maize Growers?? Evidence from Tanzania
Jongwoo Kim, Michigan State University; Nicole M. Mason, Michigan State University
- T32** Social Trust and Investment in Irrigation Infrastructure: Evidence from North China
Yefan Nian, University of Arkansas; Qiuqiong Huang, University of Arkansas
- T33** A Comparison of Urban and Rural Food Consumption in Selected Regions of Tanzania
Bidisha Mandal, Washington State University; Nancy J. Cochrane, USDA-Economic Research Service
- T34** The Role of In-kind Transfers and Agriculture in Maintaining Nutrition during an Economic Crisis
Priya Bhagowalia, Jawaharlal Nehru University
- T35** Do Saving Accounts Help Low-income Households to Better Resist Economic Shocks?
Harshada Karnik, University of Minnesota
- T36** Resilience to an Acute Covariate Shock: A Mixed Methods Analysis from the 2015 Nepal Earthquake
William M. Thompson, University of Georgia; Sarah A. Janzen, Montana State University; Nicholas Magnan, University of Georgia
- T37** Do Asset Transfers Build Household Development Resilience? A Field Experiment in Zambia
Lokendra Phadera, University of Illinois at Urbana-Champaign; Hope C. Michelson, University of Illinois at Urbana-Champaign; Alex E. Winter-Nelson, University of Illinois at Urbana-Champaign
- T38** A Dynamic Multidimensional Shock Index for Resilience Analysis: Modelling the Sequential and Interactive Effects of Shocks and Stressors
Mark A. Conostas, Cornell University; Nathaniel D. Jensen, Cornell University; Erwin Knippenberg, Cornell University; James Campbell, Catholic Relief Services

International Trade

- T39** Trade Liberalization and Endogenous Quality Choice in Food and Agricultural Trade
Jibyun Eum, The Ohio State University; Ian M. Sheldon, The Ohio State University

Posters

- T40** Bovine Spongiform Encephalopathy (BSE) and Structural Changes in Beef Import Demand: Evidence from Japanese and South Korean Import Markets
Xin Ning, Virginia Tech; Jason Grant, Virginia Tech; Everett B. Peterson, Virginia Tech
- T41** Are Remittances Infectious? Evidence of Remittances Causing Dutch Disease
Nadeem Rizwan, North Carolina State University; Kathryn A. Boys, North Carolina State University
- T42** The EU Membership Package: Full or Partial Integration?
Gertrude Nakakeeto, Texas Tech University; Shaikh Mahfuzur Rahman, Texas Tech University; Jaime E. Malaga, Texas Tech University
- T43** A Case Study of Fresh Fruits Trade among NAFTA, CAFTA, and MERCOSUR
Hovhannes Mnatsakanyan, Texas A&M University-Commerce; Jose A. Lopez, Texas A&M University-Commerce
- T44** U.S.-South America Intra-Industry Trade in Agricultural and Food Products
Shuvo Chakraborty, South Dakota State University; Evert Van Der Sluis, South Dakota State University
- T45** Do U.S. Suppliers Benefit from South Korea-U.S. Free Trade Agreement? The Case of Orange Juice
Yan Heng, University of Florida; Lisa A. House, University of Florida
- T46** Importance of Tracking Rice for Feed Consumption
Sharon Raszap Skorbiansky, Economic Research Service; Nathan W. Childs, USDA-Economic Research Service; John H. Dyck, USDA-Economic Research Service; James M. Hansen, USDA-Economic Research Service
- T47** Flow of FDI in Softwood Lumber Industry from Canada to the USA: A Study of the Pine Beetle's Influence on Economic Decision-Making in the North American Forest Products Sector
Joy Das, Louisiana State University
- T48** Easements in the Ivory Trade Ban: Are there Implications for Legal Ivory Trade?
Kofi Britwum, University of Nebraska-Lincoln
- T49** The 'Learning Effect' and the Impact of High Maximum Residue Limit Standards on U.S. Vegetable Exports
Jun Ho Seok, University of Kentucky; Sayed H. Saghaian, University of Kentucky; Michael R. Reed, University of Kentucky
- T50** Assessing the Impact of Cuba's Changing Food Consumption Patterns on U.S. and Cuban Agriculture, Trade, and Global Markets
James M. Hansen, USDA-Economic Research Service; Steven S. Zahniser, USDA-Economic Research Service; Bryce W. Cooke, USDA-Economic Research Service

Natural Resource Economics

- T51** Distributed Photovoltaic Power Generation: A Widespread Application in the Mexican Residential Sector
Pedro I. Hancevic, Centro de Investigacion y Docencia Economicas; Hector M. Nuñez, Centro de Investigación y Docencia Económicas
- T52** Sustainable Land Management Decisions Among Smallholder Coffee Growers: A Dynamic Optimization Approach
J. Nicolas Hernandez-Aguilera, Cornell University; Jon M. Conrad, Cornell University; Miguel I. Gomez, Cornell University
- T53** The Heterogeneity of Residents' Preference over a Wide Array of Services, provided by a Master Planned Community (MPC)
James Yoo, California Baptist University
- T54** Lateral Groundwater Flows and the Optimal Management of an Aquifer
Kent Kovacs, University of Arkansas; Alvaro Durand-Morat, University of Arkansas
- T55** Adjusting Time Scales to Assess Temperature's Impact on Demand: A Case Study from the U.S. Residential Electricity Consumption
Gi-Eu Lee, University of Nevada, Reno; Scott Loveridge, Michigan State University
- T56** Optimizing the Expansion of Vehicular Fleets within a Public Entity: The Case for Electric Vehicles at Purdue University
Dawoon Jeong, Purdue University; Alecia Evans, Purdue University; Jonathan Weir, Purdue University
- T57** Estimating the Marginal Effect of Pits and Quarries on Residential Property Values in Wellington County, Ontario
Alison Grant, University of Guelph; Brady James Deaton Jr., University of Guelph

Posters

- T58** A Multi-regional Input-output Linear Programming Model of Water Allocation in the Southeastern U.S.
Di Sheng, *AREC, University of Tennessee, Knoxville*; **Dayton M. Lambert**, *University of Tennessee*; **Burton C. English**, *University of Tennessee*; **Jamey Menard**, *University of Tennessee*; **Lixia He Lambert**, *University of Tennessee*; **David W. Hughes**, *University of Tennessee*; **Christopher D. Clark**, *University of Tennessee*
- T59** Climate Change and Energy Production: The Effect of Drought on Electricity Prices
Gregory L. Torell, *Texas A&M University*; **Reid Stevens**, *Texas A&M University*
- T60** Welfare Economics of the Allocation of Fishery Harvests
Mohammadreza Zarei, *University of Georgia*; **Paul Hindsley**, *Eckerd College*; **Craig Landry**, *University of Georgia*; **Kurt E. Schnier**, *Georgia State University*; **John C. Whitehead**, *Appalachian State University*
- T61** Managing Biological Pollution with Trade Flows in Mind: An Endogenous Ecological-Economic Geography
Richard D. Horan, *Michigan State University*; **Miguel Castro**, *Michigan State University*; **Christopher A. Wolf**, *Michigan State University*
- T62** Commodity Price Volatility and U.S. Monetary Policy: The Overshooting Hypothesis of Agricultural Commodity Prices
Sima Siami-Namini, *Texas Tech University*; **Michael D. Hudson**, *Texas Tech University*; **A. Alexandre (Alex) Trindade**, *Texas Tech University*
- T63** Irrigation Scheduling in Crop Production in Louisiana
Tej K. Gautam, *Louisiana State University*; **Krishna P. Paudel**, *Louisiana State University*
- T64** An Analysis on Sustainable Food Consumption by Income Level: The Case of Environment-Friendly Fresh Grains in Korea
Jisoo Kwon, *Chung-buk National University in Korea*; **Hyeon-Woong Kim**, *Chung-buk National University in Korea*; **Do-il Yoo**, *Chung-buk National University in Korea*
- T65** Optimal Distribution of Conservation Practices in the Big Sunflower Watershed in Mississippi
Edward Osei, *Tarleton State University*
- T66** Motive for Grassland Maintenance and Conservation Choices
Mary Doidge, *Michigan State University*; **David A. Hennessy**, *Michigan State University*; **Hongli Feng**, *Michigan State University*
- T67** Fracking Out! The Effects of Fracking on Coal Industry Employment in West Virginia
Jesse D. Backstrom, *Texas A&M University*; **Daniel E. Chavez**, *Texas A&M University*; **Oral Capps Jr.**, *Texas A&M University*
- T68** Managing Livestock Disease Transmission as a Nonpoint Source Biological Pollutant
Richard D. Horan, *Michigan State University*
- T69** The Effect of Resource Development on Alcohol Consumption in Northern Canada
Todd L. Godfrey, *University of Alberta*; **Bruno Wichmann**, *University of Alberta*
- T70** Biomass Co-Firing Potential and Land Use Changes: A General Equilibrium Study in the United States
Shanxia Sun, *Purdue University*; **Thomas W. Hertel**, *Purdue University*; **Uris Lantz C. Baldos**, *Purdue University*; **Jing Liu**, *Purdue University*
- T71** The Effect of Technical Change and Public Expenditure on the Substitution Between the Brazilian Amazon and Agricultural Commodities
Felipe Silva, *University of Nebraska-Lincoln*; **Lilyan E. Fulginiti**, *University of Nebraska-Lincoln*; **Richard K. Perrin**, *University of Nebraska-Lincoln*
- T72** Modeling No-Tillage Adoption by Corn and Soybean Producers: A Binary Panel Approach
Tara Wade, *North Carolina A&T State University*; **Roger L. Claassen**, *USDA-Economic Research Service*

Production Economics

- T73** Neurological Effect of Farmer Pesticide Use in China: Implications for Agricultural Cleaner and Healthier Production
Chao Zhang, *Beijing Institute of Technology*; **Yiduo Sun**, *Beijing Institute of Technology*; **Ruifa Hu**, *Beijing Institute of Technology*; **Xusheng Huang**, *Chinese PLA General Hospital*
- T74** Assessing the Performance of an Alternative to the Dual Approach in Empirical Analysis
Juan F. Rosas, *Universidad ORT Uruguay*; **Sergio H. Lence**, *Iowa State University*
- T75** Agricultural Technology Intervention, Health Information and Pesticide Use among Farmers: Evidence from China
Chao Zhang, *Beijing Institute of Technology*; **Yiduo Sun**, *Beijing Institute of Technology*; **Ruifa Hu**, *Beijing Institute of Technology*

Posters

- T76** Dealing with Corner Solutions in the Estimation of Farmers' Production and Acreage Choice Models: An Endogenous Switching Regime Approach with Regime Fixed Costs
Obafemi Philippe Koutchade, INRA; *Alain Carpentier*, Institut National de la Recherche Agronomique; *Fabienne Femenia*, INRA
- T77** Impact of Participation in Certified Organic Production on Farm Household's Economic and Agri-environmental Performance
Aditya R. Khanal, Tennessee State University; *Ashok K. Mishra*, Arizona State University
- T78** Conditional Stochastic Responses in Dynamic Programming: A Case for Optimally Switching Crop Rotations
David Boussios, USDA-Economic Research Service; *Paul Preckel*, Purdue University; *Yigezu Atnafe Yigezu*, Purdue University
- T79** Its not Technical Regress But Sub optimal Scale
Daniel Muluwork Atsbeha, Norwegian Institute of Bioeconomy Research
- T80** Optimal Fresh Produce Hub Locations and Sizes in the United States: A Comparison of Simulation with Actual Results
Houtian Ge, The Pennsylvania State University; *Patrick N. Canning*, USDA-Economic Research Service; *Stephan J. Goetz*, The Pennsylvania State University
- T81** Sustainable Intensive Fish Farming: The Prospects of Aquaponics
Gal Hochman, Rutgers University; *Eithan Hochman*, Hebrew University; *Nadav Naveh*, Hebrew University
- T82** Crop Production Function Estimation using High Resolution Observation Data
Xiaofei Li, Mississippi State University
- T83** Technology, Resources, and Knowledge: Structural Change in the U.S. Dairy Industry
Kota Minegishi, University of Maryland; *Simone Pieralli*, European Commission; *Kohei Ueda*, University of Maryland
- T84** Is Farm Management System Significant to Explain Technical Efficiencies Differences and Technology Gap of Uruguay's Dairy Farms?
Federico Garcia-Suarez, Universidad de la República; *Gabriela Perez-Quesada*, Universidad de la República; *Magela Cavalleri*, Universidad de la República
- T85** Aggregate Agricultural Extensive and Intensive Land Supply Response to Price and Non-Price Factors
Md Zabid Iqbal, Iowa State University; *Bruce A. Babcock*, Iowa State University
- T86** Explaining the adopting and extent of adoption of irrigation technologies in the southern U.S.
Eric Asare, Texas Tech University
- T87** Impact of Access to Livestock Services on Technical Efficiency of Small-ruminant Production in Rural Ethiopia
Girma T. Kassie, International Center for Agricultural Research in the Dry Areas; *Barbara Rischkowsky*, International Center for Agricultural Research in the Dry Areas; *Aynalem Haile*, International Center for Agricultural Research in the Dry Areas; *Mulugeta Y. Birhanu*, International Center for Agricultural Researches in the Dry Areas

Productivity Analysis and Emerging Technologies

- T88** Adoption of Solar Irrigation Pumps on U.S. Farms: A Multilevel Model Analysis
Yubing Fan, University of Missouri; *Dong Won Shin*, University of Missouri; *Laura M. McCann*, University of Missouri; *Seong C. Park*, Texas AgriLife Research
- T89** Trust, Fairness and Consumer Acceptance of the Use of Genomics for Feed Efficiency in Cattle
Violet Muringai, University of Alberta; *Ellen W. Goddard*, University of Alberta
- T90** Crop Production, Cropland Use, and Land Intensification in Economic Models
Farzad Taberipour, Purdue University; *Uris Lantz C. Baldos*, Purdue University; *Wallace E. Tyner*, Purdue University
- T91** The Investment and Efficiency Change in Chinese Agricultural Biotechnology
Jinyang Cai, Beijing Institute of Technology; *Ruifa Hu*, Beijing Institute of Technology; *Carl E. Pray*, Rutgers University
- T92** Drivers of Heterogeneity in Yield Gains from GM Maize in the Philippines: Evidence from Panel Data
Michael S. Jones, North Carolina State University; *Roderick M. Reyes*, North Carolina State University; *Zachary S. Brown*, North Carolina State University; *Jose M. Yorobe Jr.*, University of the Philippines Los Baños

Posters

Research Methods/Econometrics/Stats

- T93** Health-Income Gradient: Evidence from Kenya
Boris Houenou, Washington State University; Thomas L. Marsh, Washington State University
- T94** Joint Modeling of Correlated Binary Outcomes: The Case of Contraceptive Use and HIV Knowledge in Bangladesh
Di Fang, University of Arkansas; Renyuan Sun, American Express; Jeffrey Wilson, Arizona State University
- T95** Estimation of the Changes in the Dynamics of Tillage Choices in Iowa, 1992-2008
Dat Q. Tran, North Carolina A&T State University; Lyubov A. Kurkalova, North Carolina Agricultural and Technical State University
- T96** Capital-Labor and Armington Constant Substitution Elasticities: A Meta-Analysis
Maksym Chepeliev, Center for Global Trade Analysis, Purdue University; Luis M. Pena-Levano, Purdue University; Raymond J.G.M. Florax, Purdue University
- T97** How Long is Too Long: Should We Use the Historical NASS Yield Data
Yong Liu, University of Guelph; Alan P. Ker, University of Guelph

Resource and Environmental Policy Analysis

- T98** Spatio-temporal Variations in the Impact of Participatory Irrigation Management (PIM) Reform in India: A Panel Data Analysis
Souwik Ghosh, Visva-Bharati University; Deepthi Elizabeth Kolady, South Dakota State University; Subrato Gorain, Visva-Bharati University, India; Shivendra K. Srivastava, National Centre for Agricultural Economics and Policy Research; Bitan Mondal, Visva-Bharati University, India
- T99** Does the Extent of Energy Poverty Affect the Residents' Benefit and Risk Perceptions and Attitudes toward Shale Gas Exploitation? Evidence from China
Chin-Hsien Yu, Southwestern University of Finance and Economics; Ping Qing, Renmin University; Xiaolan Chen, Sichuan University
- T100** Can Pollution Prevention Reduce Pollution Substitution?
Xiang Bi, University of Florida; Sangyoul Lee, University of Florida
- T101** Spatial Spillovers and Temporal Dynamics: Heterogeneous Impacts of Agricultural Cropland Allocation and Crop Rotation on Water Quality
Shanxia Sun, Purdue University; Juan Pablo Sesmero, Purdue University; Michael Delgado, Purdue University; Ben Gramig, Purdue University
- T103** Strategic Interactions and Policy Incentives for Habitat Conservation for Imperiled Species
Carson Reeling, Western Michigan University; Leah H. Palm-Forster, University of Delaware; Richard T. Melstrom, Oklahoma State University
- T104** Effective Combinations of Policies in the U.S. Residential Solar Market
Bixuan Sun, University of Minnesota
- T105** Temporary Subsidies and Persistent Behavior: Evidence from Conservation Tillage
Steven Wallander, USDA-Economic Research Service; Maria S. Bowman, USDA-Economic Research Service; Roger L. Claassen, USDA-Economic Research Service
- T106** Dynamic Pollution Control in the Chesapeake Bay
Aaron M. Cook, The Pennsylvania State University; James S. Shortle, The Pennsylvania State University
- T107** Strategic Polluters in China: Geographic Spillovers in Water and Air Pollution
Youpei Yan, University of Maryland
- T108** The Impact of Climate Change on Developed Economies
Ding Du, Northern Arizona University; Xiaobing Zhao, Northern Arizona University; Ruihong Huang, Northern Arizona University
- T109** Three Improvements in Modeling Land Use Change in Global General Equilibrium Models: A GTAP Application
Xin Zhao, Purdue University; Dominique Van Der Mensbrugge, Purdue University; Wallace E. Tyner, Purdue University

Posters

- T110** Land Use Conversion for Perennial Energy Crops Production: Dynamics and Uncertainty
Xiaogu Li, Pennsylvania State University; Katherine Y. Zipp, Pennsylvania State University
- T111** The Greenness of Pakistani Cities: Urban Growth and Household Carbon Emissions
Syed M. Hasan, Lahore University of Management Sciences; Wendong Zhang, Iowa State University
- T112** Adoption of Phosphorus-free Lawn Fertilizer Laws in the U.S.
Seungyub Lee, University of Missouri; Laura M. McCann, University of Missouri
- T113** ISO 14001 Adoption and Firm Efficiency: Evidence from South Korean Manufacturing Industry
Danbee Song, The Ohio State University; Abdoul G. Sam, The Ohio State University
- T114** Farm Level Knowledge, and Adaptation to Climate Change: Evidence from China
Chunhui Ye, Zhejiang University; Haigui Wang, Zhejiang University; Ni Zhuo, Zhejiang University; Congming Yang, China Academy for Rural Development, Zhejiang University
- T115** The Global Economic Situation of Livestock Sector Under the Presence of Climate Change
Luis M. Pena-Levano, Purdue University; Farzad Taheripour, Purdue University; Wallace E. Tyner, Purdue University
- T116** Agriculture Sector Analysis on Intended Nationally Determined Contributions in Developing Countries: A Case Study of Vietnam
Guannan Zhao, Texas A&M University; Bruce A. McCarl, Texas A&M University; Peter Laderach, International Center for Tropical Agriculture; Godefroy Grosjean, International Center for Tropical Agriculture

Rural/Community Development

- T117** Evaluating Sustainability in the Rio Grande River Basin with an Ecological Footprint Analysis
Jianhong Mu, University of Oklahoma; Jad R. Ziolkowska, University of Oklahoma
- T118** Childhood Poverty Exposure and Income Mobility
Tim Smith, Purdue University; Michael Delgado, Purdue University; Raymond J.G.M. Florax, Purdue University
- T119** Causes and Consequences of Rising Tractor Use in Sub-Saharan Africa: Evidence from Tanzania
Divan Van Der Westhuizen, University of Pretoria; Thomas S. Jayne, Michigan State University; Ferdinand H. Meyer, University of Pretoria
- T120** Joint Liability Group Credit Linked with Index Insurance: A Dynamic Game Framework
Jian Chen, The Ohio State University; Mario J. Miranda, The Ohio State University
- T121** Marketization, Factor Mobility, Regional Disparity and the Development of Urbanization: Evidence from China
Yanhong Zhang, Zhejiang University
- T122** Impacts of Climate and Climate-related Natural Disasters on Local Labor Markets
Jianhong Mu, University of Oklahoma; Yong Chen, Oregon State University; Jianhong Mu, University of Oklahoma
- T123** Contract Design in China's Rural Land Rental Market: Contractual Flexibility and Rental Payment
Ziyan Yang, University of Maryland
- T124** Impact of the Great East Japan Earthquake on Inbound Tourism Demand across Countries: Identifying Similarities and Differences
Arwin Pang, Chung Hsing University; Hernan A. Tejada, University of Idaho; Man-Keun Kim, Utah State University; Donghun Go, Utah State University
- T125** Spatial Variation in Housing Market Bust and Recovery Responses: Are Urban Areas More Resilient?
Jae-Wan Ahn, The Ohio State University; Elena G. Irwin, The Ohio State University
- T126** Farmers' Willingness to Reuse Agricultural Biomass Wastes for Low Carbon Development
Linli Jiang, Huazhong Agricultural University; Junbiao Zhang, Huazhong Agricultural University

Teaching, Communication, and Extension

- T127** Comparison of Teaching Agribusiness Courses between U.S. and China's Universities
Baohui Song, California State University, Chico

Types of Concurrent Sessions

INVITED PAPER SESSIONS

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

INVITED CASE STUDY PAPERS

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

ORGANIZED SYMPOSIA

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

SELECTED PRESENTATION LIGHTNING SESSION

Lightning sessions includes up to 8 Selected Paper Presentations. Each presenter will have 9-10 minutes to present and discuss their paper.

SELECTED PRESENTATIONS

The term “Selected Presentations” refers collectively to Selected Papers and Selected Posters.

Selected Paper Sessions include up to four paper presentations. Each paper presentation is given 20 minutes; 15 minutes to present and five minutes for discussion. A listing of sessions by subject can be found on page 124.

TRACK SESSIONS

Tracks are a set of multiple sessions submitted by AAEA Sections, scheduled throughout the meeting and devoted to a common interest area or topic. Sessions can be organized by a single Section or by multiple Sections to cover a wider range of topics. Track session listings by Section can be found on page 124.

1001 A Decade of Experience with Renewable Fuel Policies and New Realities

Belmont, 4th floor

Invited Paper

A decade has elapsed since the adoption of the Renewable Fuel Standard (RFS) which calls for the consumption of 36 billion gallons of renewable fuels by 2022. The RFS and biofuel policies in 60 other countries worldwide as well were all adopted during a time of growing oil scarcity, worsening balance of trade, stagnant rural economy and last but not least growing concerns about greenhouse gas emissions. The papers in this session will summarize the biofuel experience along three lines:

- i) to what extent and at what cost were the intended benefits realized and what were the unintended effects;
- ii) the effect of adopting a life cycle approach to regulating GHG effects of fuel;
- iii) food versus fuel tradeoff of biofuels.

Organizer: Deepak Rajagopal, University of California, Los Angeles

Moderator: Deepak Rajagopal, University of California, Los Angeles

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

The Use of Life Cycle Assessment for Measuring and Regulating Greenhouse Gas Benefits of Biofuels

Deepak Rajagopal, University of California, Los Angeles

Corn-Ethanol and U.S. Biofuel Policy 10 Years Later: A Quantitative Assessment

David Zilberman, University of California, Berkeley; Gal Hochman, Rutgers University

Intended and Unintended Consequences of U.S. Renewable Fuel Policies

Wallace E. Tyner, Purdue University

1002 Filling Research Gaps with New Links to Scanner Data: New Research Opportunities in the Economics of Healthy Eating using USDA's Linkages Data

Great America II, 6th floor

Organized Symposium

This symposium will announce the release of a new ERS data application, Linkages, which links retail and household scanner data to the USDA nutrition databases, including the data needed to estimate the Healthy Eating Index (HEI) for food purchases and sales. Linkages allows researchers to examine economic questions related to the healthfulness of foods sold by stores and purchased by consumers, policy questions related to food availability and labeling, and methodological questions related to nutrition research. Three policy research questions that could not be addressed previously will be used to demonstrate the power of Linkages. The symposium will include time for attendees to ask questions and learn how to gain access to the data.

Moderator: Andrea C. Carlson, USDA-Economic Research Service

Panelists: Alessandro Bonanno, Colorado State University; Rebecca Cleary, The Pennsylvania State University; Elina T. Page, USDA-Economic Research Service

1003 Implications of "Big Ag Data" for the Agricultural and Applied Economics Profession

Indiana, 6th floor

Organized Symposium

A great deal of attention has been given to the implications of 'big ag data'. This has the potential to change many aspects of farm and environmental management, federal data collection, and reports. It also affords opportunities for new research in consumer demand, traceability, and sustainability monitoring. This session would follow on last year's pre-conference and the C-FARE white paper on the topic. The intent of the symposium is to take the discussion of big data in our profession to the next level of detail.

Organizers: Mary E. Bohman, USDA-Economic Research Service; Keith H. Coble, Mississippi State University

Moderator: Ashok K. Mishra, Arizona State University

Panelists: Mary E. Bohman, USDA-Economic Research Service; Keith H. Coble, Mississippi State University; Jan Willem Kruijze, Wageningen Economic Research

1004 Demands for Energy and Water in a Second Best World

Wrigleyville, 2nd floor

Organized Symposium – Association of Environmental and Resource Economists (AERE)

Impact of Ethanol Plant Spatial Competition on Local Corn Supply: A Spatially Explicit Analysis

Yanbing Wang, *Purdue University*; **Michael Delgado**, *Purdue University*; **Ben Gramig**, *Purdue University*; **Juan Pablo Sesmero**, *Purdue University*

The Impact of Gasoline Prices on Driving Behaviors of NYC Taxi Drivers

Sanguk Nam, *University of Arizona*

Water Use in the Landscape: A Comparison of How Irrigation Technologies and Water Quality Influence Behavior

Laura O. Taylor, *North Carolina State University*; **Jonathan Lee**, *East Carolina University*

External Impacts of Local Energy Policy: The Case of Renewable Portfolio Standards

Ivan Rudik, *Iowa State University*; **Alex Hollingsworth**, *Indiana University Bloomington*

1005 Food and Agricultural Policy Analysis

Northwestern, 6th floor

Selected Presentation – Lightning Session

This lightning session covers two topics related to emerging and developing economies: commodity markets and food security.

The Effect of Intermediary Market Power on Grain Quality in Bihar, India

Marin Skidmore, *University of Wisconsin–Madison*; **Kathy Baylis**, *University of Illinois at Urbana-Champaign*; **Mary P. Arends-Kuenning**, *University of Illinois at Urbana-Champaign*; **Hope C. Michelson**, *University of Illinois At Urbana-Champaign*

How Well is the Russian Wheat Market Functioning? A Comparison with the Corn Market in the USA

Miranda Svanidze, *Leibniz Institute of Agricultural Development in Transition Economies*; **Linde J. Goetz**, *Leibniz-Institute for Agricultural Development in Transition Economies*

Effect of Women Empowerment in Agriculture on Food Security of Farm Households in Ogun State, Nigeria

Maria Gbemisola Ogunnaike, *Federal University of Agriculture*; **Mojisola Olanike Kehinde**; **Adebayo M. Shittu**, *Federal University of Agriculture, Abeokuta*

Can Private Food Standards Promote Gender Equality in the Small Farm Sector?

Eva-Marie Meemken, *Georg-August-University of Goettingen*; **Matin Qaim**, *Georg-August-University of Goettingen*

Re-envisioning MPP: A Proposal for the 2018 Farm Bill

Jessica A. Richard, *University of Kentucky*; **Tyler B. Mark**, *University of Kentucky*; **Kenneth H. Burdine**, *University of Kentucky*

1006 Climate Change Impacts and Adaptation

Streeterville, 2nd floor

Selected Presentation – Lightning Session

Adapting agricultural production practices based on weather variability is not a trivial task. Understanding climate issues is paramount to addressing optimal farm decisions. A solid group of papers on climate and weather have been assimilated for this lightning round.

Greenhouse Gas Emissions and Productive Efficiency in Alberta Dairy Production: What are the Trade-offs?

Stephanie Le, *University of Alberta*; **Scott R. Jeffrey**, *University of Alberta*; **Henry An**, *University of Alberta*

The Impact of Climate Change on U.S. Corn Yields

Barthelemy Niyibizi, *Oklahoma State University*; **Wade Brorsen**, *Oklahoma State University*

Annual and Cropping Season Environmental Production Conditions Effects on Smallholder Technical Efficiency in Sub-Saharan Africa: Evidence from Ethiopia

Anthony Baffoe-Bonnie, *University of Georgia*; **Gentian Kostandini**, *University of Georgia*

Climate Change impacts on Corn and Soybean Production in Iowa

Edward Osei, *Tarleton State University*; **Syed H. Jafri**, *Tarleton State University*

Planting Date and Climate Change in Cereal Production in Norway

Divina Gracia P. Rodriguez, *Norwegian Institute of Bioeconomy Research*; **Agnar Hegrenes**, *Norwegian Institute of Bioeconomy Research*; **Roderick M. Rejesus**, *North Carolina State University*

Crop Yield Response Function and Ex Post Economic Thresholds: The Impacts of Crop Growth Stage-specific Weather Conditions on Crop Yield

Seong Do Yun, *Yale University*; **Ben Gramig**, *Purdue University*

Weather Uncertainty and Efficacy of Pest Management Strategies: An Application to Tomato Fumigation Practices

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

1007 Input Management

Iowa, 6th floor

Selected Presentation

This session examines input decisions along the agricultural supply chain. Inputs of interest include wheat for milling, tractors, and labor.

Wheat Flour Raw Material Variability in Food Manufacturing

Brian A. Bourquard, *Purdue University*; **Allan W. Gray**, *Purdue University*; **Paul Preckel**, *Purdue University*

The Pricing and Depreciation Patterns of Used Tractors

Nathan Daninger, *Purdue University*; **Michael A. Gunderson**, *Purdue University*

Assessing the Real Value of H2A Farm Labor Inputs: A Simulation-Optimization Approach

Hofner D. Rusiana, *University of Georgia*; **Cesar L. Escalante**, *University of Georgia*

The Economic Viability of Suppressive Crop Rotations for the Control of Verticillium Wilt in Organic Strawberry Production in California

Aleksandr Michuda, *University of California, Davis*; **Rachael E. Goodhue**, *University of California, Davis*; **Joji Muramoto**, *University of California, Santa Cruz*; **Carol Shennan**, *University of California, Santa Cruz*

1008 What Biases Outcomes of Experiments?

MI State, 6th floor

Selected Presentation

Experimental economics are increasing in popularity due to its unique strengths in value elicitation and its application to a number of aspects of the applied economics discipline including marketing of non-market goods, novel market goods, test decisions in game theoretical models and policy examination. However the validity of experimental economics studies findings is often scrutinized. This session presents a suite of papers focusing on alternatives to improve the external validity of economic experiments focusing on choice experiments and experimental auctions.

Fine-Tuning Willingness-To-Pay Estimates in Second Price Auctions

Bachir Kassas, *Texas A&M University*; **Marco A. Palma**, *Texas A&M University*; **Meghan Ness**, *COFCO Agri*; **David P. Anderson**, *Texas A&M University*

Willpower Depletion: Can it Influence Responses and Attribute Non-Attendance in Choice Experiments?

Claudia Bazzani, *University of Arkansas*; **Rodolfo M. Nayga**, *University of Arkansas*; **Kim Ha**, *Purdue University*; **Shadi S. Atallah**, *University of New Hampshire*

Norm Sensitivity and Preferences for Credence Attributes Elicited in Experimental Auctions: The Case of Animal Welfare Information and WTP for Ice Cream

Hillary M. Sackett, *Westfield State University*; **Lindsey Kelley**, *Westfield State University*

Does Circadian Rhythm Affect Consumer Evaluation for Food Products? An Experimental Study

Claudia Bazzani, *University of Arkansas*; **Rodolfo M. Nayga**, *University of Arkansas*; **Vincenzina Caputo**, *Michigan State University*

1009 Supplemental Nutrition Assistance Program (SNAP)

Minnesota, 6th floor

Selected Presentation

Two papers in this session deal with the food expenditures of Supplemental Nutrition Assistance Program (SNAP) benefit recipients; another evaluates the effect of SNAP participation on retail sales of sugar-sweetened beverages; and the fourth measures food poverty for SNAP participants.

SNAP Household Food Expenditures Using Non-SNAP Payment Methods

Andrea M. Leschewski, *Michigan State University*; **Dave D. Weatherspoon**, *Michigan State University*

How Did the American Recovery and Reinvestment Act (ARRA) Impact the Material Well-being of SNAP Participants? A Distributional Approach

Pourya Valizadeh, *University of Georgia*; **Travis A. Smith**, *University of Georgia*

The Impact of SNAP Participation on Retail Sales of SSBs

Shaheer Burney, *University of Kentucky*

1010 Household and Labor Economics

Printers Row, 2nd floor

Selected Presentation

These papers examine intra-household allocation and child outcomes.

Share and Share Alike: The Impact of Rainfall on Gendered Income Allocation in Malawi

Anna Josephson, *Purdue University*

Female Labour Supply in a Household Decision making context: Evidence from ICRISAT VDSA villages of India

Aakanksha Melkani, *Michigan State University*

1011 Education, Health, and Economic Development

Purdue, 6th floor

Selected Presentation

This session examines the economic impact of investing into education and health. The first paper explores the long-term effects of a conditional cash transfer on secondary and tertiary education. The second paper investigates the impact of alcohol prohibition policies on long-term child educational outcomes. The third paper analyzes whether improved access to contraceptives influences behavior. The last paper discusses artifacts from misreporting month of birth and their implications.

Opportunities for Higher Education: The Ten-Year Effects of Conditional Cash Transfers on Upper-Secondary and Tertiary Enrollments

Justin S. Whetten, *University Of New Mexico*; **Kira M. Villa**, *University of New Mexico*; **Matias Fontenla**, *University of New Mexico*

The Unintended Consequences of Alcohol Prohibition on Human Capital Investments in Children: Evidence from India

Hemant K. Pullabhotla, *University of Illinois at Urbana-Champaign*

Impact of Access to Emergency Contraceptives on Risk Behavior: Evidence from a Policy Change in India

Pallavi Shukla, *University of Illinois at Urbana-Champaign*; **Mary P. Arends-Kuenning**, *University of Illinois at Urbana-Champaign*

Misreporting Month of Birth: Implications for Research in Agricultural and Applied Economics

Anna F. Larsen, *University of Copenhagen*; **Derek Headey**, *International Food Policy Research Institute*; **William A. Masters**, *Tufts University*

1012 Natural Resource Economics - Energy and the Environment I

Ohio State, 6th floor

Selected Presentation

Studies on energy and the environment; clean power plan, wind, solar, and residential energy demand

Projecting the Impact of the Clean Power Plan on SO₂ and NO_x Emissions: An Empirical Approach

Nikolaos Ziogiannis, *Indiana University Bloomington*; **Daniel H. Simon**, *Indiana University Bloomington*; **Alex Hollingsworth**, *Indiana University Bloomington*

Have They Gone with the Wind? Indirect Effects of Wind Turbines on Bird Abundance

Prasenjit Ghosh, *Auburn University*; **Jian Rong**, *Auburn University*; **Madhu Khanna**, *University of Illinois at Urbana-Champaign*; **Weiwei Wang**, *University of Illinois at Urbana-Champaign*; **Ruiqing Miao**, *Auburn University*

Modeling Inattentive Consumers' Behavior under Nonlinear Pricing in Residential Energy Market

Xiangrui Wang, *Washington State University SES*; **Jukwan Lee**, *Washington State University*; **Jia Yan**, *Washington State University*; **Gary D. Thompson**, *University of Arizona*

Household Use of Renewable Energy and the Perception of Solar Panel Attributes

Anna M. Klepacka, *Warsaw University of Life Sciences*; **Ting Meng**, *MIT*; **Magdalena Winek**, *Warsaw University of Life Sciences-SGGW*; **Anna Stepien**, *Warsaw University of Life Sciences-SGGW*; **Wojciech J. Florkowski**, *University of Georgia*

1013 Technology Adoption: Strategies and Effects

Wisconsin, 6th floor

Selected Presentation

Description: New commodity varieties and agricultural technologies are generally believed to be able to enhance productivity and thus be naturally adopted by producers. In many cases, however, farmers' adoption of new technologies have been found to be slow or even switching back and forth. Three papers from this session investigate the incentive and determinants underlying farmers' adoption strategies. The fourth paper develops a bio-economic model to examine a particular technology.

An Analysis of Strategy Shifts among Kansas Crop Farmers

Nicholas J. Pates, *Kansas State University*

Can Remote Sensing Improve the Profitability and Reduce the Risk of Integrated Pest Management for Soybean Aphid Control?

Tiesta Thakur, *University of Minnesota*; **Terrance M. Hurley**, *University of Minnesota*

Understanding Transient Technology Use among Smallholder Farmers in Africa

Maolong Chen, *Michigan State University*; **Robert J. Myers**, *Michigan State University*

1014 Air Pollution *Michigan, 6th floor*

Selected Presentation

Presentations in this session address various aspects of air pollution. Topics include control policies and how polluters respond to monitoring, spatial spillovers, and avoidance behavior.

The Effectiveness of Temporary Driving Restrictions: Evidence from Air Pollution, Vehicle Flows, and Mass-Transit Users in Santiago

Nathaly M. Rivera, *Michigan State University*

Unwatched Pollution: Response of Air Quality to Air Monitoring

Eric Zou, *University of Illinois at Urbana-Champaign*

When the Wind Blows: Spatial Spillover Effects of Urban Air Pollution

Xiaoguang Chen, *Southwestern University of Finance and Economics*; **Jingjing Ye**, *Southwestern University of Finance and Economics*

Quantifying the Health Effect of Information on Pollution Levels in Chile

Kelly L. Hellman, *University of Massachusetts Amherst*; **Jamie Mullins**, *University of Massachusetts Amherst*

1015 Risk Management under Climate Change and Climate Variability *Great America I, 6th floor*

Selected Presentation

Presentations in this session investigate how climate change and climate variability relates to risk management practices. Topics include water-saving irrigation technologies, yield volatility, climate smart technologies, and insurance programs.

The Fingerprint of Climate and Innovation on U.S. Crop Yield Volatility

Tor N. Tolhurst, *University of California, Davis*; **Alan P. Ker**, *University of Guelph*

The Effect of Climate Change and Climate Variability on Water Conservation Investment in California's Yuba River

Charles Sims, *University of Tennessee, Knoxville*

Risk Preferences and the Pace of Climate Smart Technology Adoption: A Duration Model Approach from India

Mukesh K. Ray, *Michigan State University*; **Mywish K. Maredia**, *Michigan State University*; **Robert S. Shupp**, *Michigan State University*

Impacts of Climate change on Federal Crop Insurance Loss Ratios

Jing Yi, *Cornell University*; **James W. Richardson**, *Texas A&M University*; **Henry L. Bryant**, *Texas A&M University*; **Abeyou W. Worqlul**, *Texas A&M University Agrilife Research & Extension Center*

1016 Rural Health *Grace, 4th floor*

Selected Presentation

Papers in this session focus on health and health services in rural areas. Topics include mortality rates in coal regions, heat, the availability of health services and contraceptive use in rural areas.

Understanding Elevated Mortality Disparities in Virginia Coal Regions: Extract Coal-Mining Health Effect from Other Major Risk Factors

Ruoding Shi, *Virginia Tech*; **George C. Davis**, *Virginia Tech*; **Susan L. Meacham**, *Edward Via College of Osteopathic Medicine*; **Yu Sun**, *Virginia Tech*; **Cody Goessl**, *University of Nebraska Medical Center*

Heat and Health: The Rural-Urban Divide

Alexandra E. Hill, *University of California, Davis*; **Timothy Beatty**, *University of California, Davis*

Foreign Born Physicians and Healthcare Outcomes in Rural Communities

Marcelo J. Castillo, *USDA-Economic Research Service*; **Siraj G. Bawa**, *USDA-Economic Research Service*

Impact of Intra-household Resource Allocation on Bargaining Power for Contraceptive Use in the Rural Household of Sub-Saharan Africa: A Case Study in Rural Area of Rwanda

Hirotsuka Matsuda, *The University of Tokyo*

1017 Industry Readiness for the Food Safety Modernization Act: Results from Three Food Safety Surveys

Clark, 4th floor

Track Session – SCE and FAMPS Sections

Under the Food Safety Modernization Act (FSMA), FDA will begin to regulate on-farm food safety practices for produce growers for the first time. FSMA was signed into law in January 2011, and the first group of growers will need to comply by 2018. The only statistically representative national survey on food safety practices was conducted by USDA's NASS in 1999. To understand the impact of FSMA on the produce industry ERS carried out three surveys covering fruit growers in 2015, vegetable growers in 2016, and post-harvest operations in 2015. Speakers will present unpublished results from the three surveys describing practices related to agricultural water use, biological soil amendments, animal presence in fields, personnel training, health, and hygiene, sanitization of tools and equipment, and third party audits. Results include comparisons of practices among growers with different characteristics.

Organizer: Gregory M. Astill, USDA-Economic Research Service

Moderator: Angela Lasher, Food and Drug Administration

2015 Fruit Grower Food Safety Survey Results

Gregory M. Astill, *USDA-Economic Research Service*; **Linda S. Calvin**, *USDA-Economic Research Service*; **Travis Minor**, *USDA-Economic Research Service*; **Suzanne D. Thornsbury**, *USDA-Economic Research Service*

2016 Vegetable Growers Food Safety Survey: A Preliminary View

Linda S. Calvin, *USDA-Economic Research Service*; **Gregory M. Astill**, *USDA-Economic Research Service*; **Travis Minor**, *USDA-Economic Research Service*; **Suzanne D. Thornsbury**, *USDA-Economic Research Service*

2015 Post-harvest Food Safety Survey Results

Travis Minor, *USDA-Economic Research Service*; **Gregory M. Astill**, *USDA-Economic Research Service*; **Linda S. Calvin**, *USDA-Economic Research Service*; **Suzanne D. Thornsbury**, *USDA-Economic Research Service*

1018 Where are We and Where are We Headed on Ecosystem Service Valuation?

McHenry, 3rd floor

Track Session – ENV Section

This session contains four speakers who will discuss the status of ecosystem service valuation, and the frontiers of research in this area. The purpose is to assess the state of the science of valuing the protection of ecological systems and services, to identify key areas for improving the theory, methods, and application, and for fostering collaboration with allied disciplines.

Organizer: Daniel R. Petrolia, Mississippi State University

Moderator: Daniel R. Petrolia, Mississippi State University

Valuing the Environment as Input to Estimate Ecosystem Services: What Have We Learned?

Edward B. Barbier, *University of Wyoming*

Accommodating Spatial Heterogeneity within Ecosystem Service Benefit Transfer: Advancing the Frontier

Robert J. Johnston, *Clark University*

The Valuation of Ecosystem Services: Some Auguries from the Federal Government, and from the Valuation Community

Daniel M. Hellerstein, *USDA-Economic Research Service*

What is Needed to Make Ecosystem Service Valuation More Relevant to Decision-Making

Stephen Polasky, *University of Minnesota*

1019 The Changing Landscape of the Beer Industry: Input Usage and Consumer Preferences

Armitage, 4th floor

Track Session – BEER Section

The U.S. Brewing industry has evolved greatly over the past 35 years. As the number of breweries has grown at a tremendous rate, their structure and the styles of beer being offered have changed as well. Furthermore, the craft segment has realized consistent growth whereas large breweries have seen a steady decline in sales. These changes have resulted in shifts in both brewery input usage and ownership structure. The first paper of this session will examine the efficiency of input use by brewers in the U.S. over a 35-year period. The second paper will examine how input use has evolved over this same time period, particularly as state and national laws have changed. Finally, the third paper examines the effect of acquisitions on stated and revealed consumer preferences.

Organizer: Joshua P. Berning, University of Georgia

Moderator: Joshua P. Berning, University of Georgia

An Analysis of Brewery Input use Efficiency in the United States

Mauricio J. Rodriguez Gomez, *University of Georgia*; **Joshua P. Berning**, *University of Georgia*; **Brady E. Brewer**, *University of Georgia*

Factors of Production used to Brew Beer

William M. Steele, *University of Georgia*; **Joshua P. Berning**, *University of Georgia*; **Brady E. Brewer**, *University of Georgia*

Scraping the Bottom of the Beer Barrel: Consumer Responses to Brewery Acquisitions

Jarrett Hart, *University of California, Davis*; **Julian M. Alston**, *University of California, Davis*; **Kevin Novan**, *University of California, Davis*

1020 Agricultural Input Quality in Sub-Saharan Africa

Illinois, 6th floor

Track Session – International Section

Papers in this session analyze agricultural input quality (mineral fertilizer, hybrid seed, and herbicides) in three countries in Sub-Saharan Africa. Anecdotes abound regarding the prevalence of degraded or adulterated agricultural inputs in the region but little quantitative evidence or investigation of the problem exists. Increasing smallholder farmer use of improved inputs is key to enhancing regional agricultural productivity and raising incomes and food security, yet use of these inputs remains relatively low. Is bad or variable quality a critical missing piece of the puzzle? How prevalent are quality problems? Why and where do they appear in input supply chains? The session draws on new evidence to address these questions. A special focus of two of the papers is how farmers' beliefs about the quality of inputs in the market correspond to evidence.

Organizers: Hope C. Michelson, University of Illinois at Urbana-Champaign; Emilia Tjernström, University of Wisconsin–Madison

When Lemons Aren't Lemons: Fertilizer Quality and Farmer Perceptions in Tanzania

Hope C. Michelson, *University of Illinois at Urbana-Champaign*; **Anna M. Fairbairn**, *University of Illinois at Urbana-Champaign*; **Brenna Ellison**, *University of Illinois at Urbana-Champaign*; **Victor M. Manyong**, *International Institute of Tropical Agriculture*; **Annemie Maertens**, *University of Sussex*

Counterfeit Seed: Comparing Genetic Tests and Germination Rates to Identify the Prevalence and Source of Counterfeit Maize Seed in Western Kenya

Emilia Tjernström, *University of Wisconsin–Madison*; **Travis J. Lybbert**, *University of California, Davis*; **Jose Clavijo**, *North Carolina State University*; **C. Eduardo Vallejos**, *University of Florida*; **Mebul Bhakta**, *University of Florida*

Why Don't Ugandan Maize Farmers Know Which Varieties they are Growing? Combination DNA Fingerprinting with Farm Survey Data and Mystery Shopping to Test Alternative Explanations

James R. Stevenson, *FAO*; **Talip Kilic**, *World Bank*; **John Ilukor**, *FAO*; **Andrzej Kilian**, *Diversity Arrays Ltd*

Do Beliefs About Agricultural Inputs Counterfeiting Correspond with Actual Rates of Counterfeiting?

Daniel O. Gilligan, *International Food Policy Research Institute*; **Maha Ashour**, *International Food Policy Research Institute*; **Lucy Billings**, *International Food Policy Research Institute*; **Jessica B. Hoel**, *Colorado College*; **Naureen Karachiwalla**, *International Food Policy Research Institute*

1021 Food Assistance Program Design in WIC: Mechanisms for Targeting Nutritional Needs

Sheffield, 4th floor

Track Session – FSN and Senior Sections

USDA currently provides 73% of its budget to nutrition assistance programs designed to alleviate food insecurity and target nutritional needs of vulnerable populations. The Special Supplemental Nutrition Assistance Program to Women, Infants, and Children (WIC) is the third largest food assistance program, serving 54% of infants and 31% of children ages one to less than five years old. In January 2017, the National Academies released its final report on review and recommendations for better design of the program to meet the nutritional needs of participants. The changes are designed to address current needs of participants, as well as encourage participation among eligible, non-participating households. These papers address key issues and research topics important to improving the program design.

Organizer: Helen H. Jensen, Iowa State University

Moderator: Travis A. Smith, University of Georgia

Discussant: Craig G. Gundersen, University of Illinois at Urbana-Champaign

Projecting WIC Program Participation

David E. Davis, *South Dakota State University*

Aging Out of WIC and into School

Marianne Bitler, *Public Policy Institute of California*; **Janet Currie**, *Princeton*; **Hilary Hoynes**, *University of California, Berkeley*; **Lisa Schulkind**, *University of North Carolina-Charlotte*; **Barton Willage**, *Cornell University*

Multiple Food Assistance Program Participation and Effects on Child Food Insecurity

Helen H. Jensen, *Iowa State University*; **Brent Kreider**, *Iowa State University*; **Oleksandr Zhylyevskyy**, *Iowa State University*

1022 Rapid Agri-food System Transformation in Sub-Saharan Africa: Evidence from Processed Food Inventories in Ghana, Mali, Nigeria, Mozambique, and Tanzania

River North, 2nd floor

Track Session – Africa and International Section

Sub-Saharan Africa is experiencing an unprecedented rate of urbanization and with it, changes in its agri-food system. As more people live in urban areas, demand for processed food has been increasing rapidly. Urban consumers are seeking food that is easy-to-prepare and ready-to-eat. This session first presents and discusses key findings from processed food inventories that were conducted in 2015/2016 in Ghana, Mali, Nigeria, Tanzania, and Mozambique. These processed food inventories allow to better understanding the range of processed foods available for sale at retail in urban markets as well as the relative prevalence of food locally processed versus imported from the region or the world market. Then, it concludes with a discussion of emerging trends and implications for research and policy.

Organizers: Saweda Liverpool-Tasie, Michigan State University; Veronique Theriault, Michigan State University

Moderator: Thomas A. Reardon, Michigan State University

A City Retail Outlet Inventory of Processed Dairy and Cereal Foods: Evidence from Mali

Veronique Theriault, *Michigan State University*; **Ryan Vroegindewey**, *Michigan State University*

The Importance of Domestic Processed Foods in Nigerian Food Retail

Saweda Liverpool-Tasie, *Michigan State University*; **Bolarin T. Omonona**, *University of Ibadan*; **Wale Ogunleye**, *University of Ibadan*; **Iveren Abagyeh**, *NDA Kaduna Nigeria*; **Thomas A. Reardon**, *Michigan State University*

Differential Response by Local Agribusiness to the Diet Transformation in Africa: Evidence from Mozambique and Tanzania

David L. Tschirley, *Michigan State University*; **Claire Ijumba**, *Michigan State University*; **Jason E. Snyder**, *Michigan State University*; **Jaqueline Massingue**, *Michigan State University*

Observing Ghana's Food System Transformation through a Multi-city Inventory of Processed Foods

Kwaw S. Andam, *International Food Policy Research Institute*; **Xinshen Diao**, *International Food Policy Research Institute*; **Seth Asante**, *International Food Policy Research Institute*; **Ramatu Al-Hassan**, *University of Ghana*

1023 Agribusiness Theory and Research

Dupage, 3rd floor

Track Session – AEM Section

This purpose of this session is to promote a greater dialogue of the theoretical and empirical (including methods) contributions of management to agribusiness research. In particular, strategic risks (Black Swans) involving low probability but high consequence events appear to be occurring more frequently in the ag sector. While difficult to manage/mitigate, Boehlje offers a set of financial tools involving scenario analysis, risk score carding and real options to assess and manage these risks. These tools will be illustrated through the use of case studies of new start-up ventures and product/service innovations. Although the management of such strategic risks are important to innovative settings, innovation is also influenced by a firm's exploitive and explorative search.

Organizer: Desmond W. Ng, Texas A&M University

Moderator: Desmond W. Ng, Texas A&M University

Strategic Risks: How to Assess and Manage Them

Michael Boehlje, *Purdue University*

An Examination of Explorative and Exploitive Search in the Biotechnology Industry

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

Using Network Analysis to Assess Fairness of Agricultural Markets

Harvey S. James Jr., *University of Missouri*; **Mary Hendrickson**, *University of Missouri-Columbia*; **Annette Kendall**, *University of Missouri-Columbia*

The Relation between Franchising and Firm Performance, Survival and Exit

Michael E. Sykuta, *University of Missouri*; **Matthew Sveum**, *University of Missouri*

1024 New Issues in the Econometrics of Panel Data Specification, Identification, and Estimation

Cook, 3rd floor

Track Session – Econometrics Section

New issues in the specification, identification, and estimation of econometric models using panel data sets will be presented, analyzed, and discussed in this session.

Organizer: Jeffrey T. LaFrance, Monash University

Moderator: Joseph V. Balagtas, Purdue University

The Fundamental Identification and Estimation Problem in Hedonic Price Models

Jeffrey T. LaFrance, *Monash University*; **Michael Ward**, *Monash University*; **Hayley H. Chouinard**, *Colorado State University*; **Philip R. Wandschneider**, *Washington State University*

Under-Reporting of Food Hardships in the Food Security Module

Christian A. Gregory, *USDA-Economic Research Service*

How the Change to EBT for WIC Affects Food Choices for Participants

Andrew Hanks, *The Ohio State University*

Hedonic Price Models in Large Panels with Individual Attributes

Jeffrey E. Englin, *Arizona State University*

1025 Washington Policy Update

Kane, 3rd floor

Track Session – EXT Section

With the 2018 Farm Bill discussions under way, this session will offer insight from inside Belt Way. The presenters will provide their perspectives on policy development and implementation issues affecting agriculture based on their work for the Congress and USDA. They also will seek comments and insights on issues from session attendees.

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

Perspective from the House Agriculture Committee Chief Economist

Bart L. Fischer, *U.S. House of Representatives*

Perspective from the Senate Committee on Agriculture, Nutrition, and Forestry Chief Economist

Matt Erickson, *Senate Agricultural Committee*

Perspective from the USDA Chief Economist

Robert C. Johansson, *USDA-Office of the Chief Economist*

MONDAY, 1:00 PM - 2:30 PM

1026 A New Look at the Ethanol Blend Wall: Contributing Factors, Welfare Impacts, and the World Beyond

Belmont, 4th floor

Invited Paper

The feasibility of increasing biofuel mandate levels as a means towards reduced transportation sector emissions has been put into question by a lack of sufficient ethanol demand side infrastructure. How important are the required investments from a social welfare perspective and who should be required to make them? This session analyzes the ethanol blend wall from three perspectives: the dynamic aspects that contribute to its existence, its short term impacts which disproportionately affect consumers of diesel fuels, and the environmental and welfare gains that lie beyond.

Organizer: Harry de Gorter, Cornell University

Moderator: Anthony Radich, USDA-Office of the Chief Economist

Discussant: Sebastien Pouliot, Iowa State University

Designing Good Climate Policy: Lessons from the Renewable Fuel Standard and the Blend Wall

Gabriel Lade, Iowa State University; C.-Y. Cynthia Lin Lawell, University of California, Davis; Aaron D. Smith, University of California, Davis

Reconsidering the Role of RIN Prices in U.S. Fuel Markets

Christina Korting, *Cornell University; Harry de Gorter, Cornell University*

Biofuel Mandates and the Blend Wall: Some Welfare Impacts of the RFS2

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

1027 Crop Insurance: Opportunities and Challenges Facing the Industry

McHenry, 3rd floor

Organized Symposium

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

Organizer: Oscar Vergara, AIR Worldwide

Discussant: Keith H. Coble, Mississippi State University

Crop Insurance: Domestic Opportunities and Challenges Facing the Industry

Thomas P. Zacharias, *National Crop Insurance Services*

Crop Insurance: Opportunities and Challenges Facing Program Administrators

Robert C. Johansson, *USDA-Office of the Chief Economist*

Crop Insurance: Domestic and International Overview of Industry Results

Oscar Vergara, *AIR Worldwide*; **Julia I. Borman**, *AIR Worldwide*

1028 Non-trade Concerns in Agriculture

MI State, 6th floor

Organized Symposium – European Association of Agricultural Economists (EAAE)

Non-trade concerns like loss of agricultural acreage and associated environmental goods and services, and food safety, have been one of the main obstacles for finalizing the WTO negotiations for agriculture in the Doha-round. This session takes a closer look at the non-trade issues. While loss of biodiversity associated with agriculture, acreage and food safety are important issues, concerns loom that some of the policies used to deal with these issues distort trade more than necessary. In some extreme cases pro-trade advocates have claimed that in reality some of these policies in reality are “hidden” subsidies or protection of domestic production. On the other hand, skeptics towards lowering farm supports and removing border protection argue that these measures are needed to maintain biodiversity, acreage, and food safety.

Organizer: Eirik Romstad, Norwegian University of Life Sciences

The Relevance of Trade Policy for Ensuring Agriculture’s Social and Environmental Outcomes

Emily M. Gray, *Organization for Economic Co-operation and Development*

Food Safety and Trade

Thomas Heckelei, *University of Bonn*

Trade Policies: Can They Achieve Environmental Outcomes?

Gopinath Munisamy, *USDA-Economic Research Service*

The Scope for Less Trade Distorting Policies

Eirik Romstad, *Norwegian University of Life Sciences*

Environmental Issues and Trade

Ian M. Sheldon, *The Ohio State University*

1029 Product and Consumer Determinants of Food Purchase Decisions

Armitage, 4th floor

Selected Presentation – Lightning Session

The papers in this lightning session will examine how different product and consumer attributes impact food purchase decisions. Product characteristics such as labels and other information provision and food safety issues can influence purchases. Consumer attributes including quality and sensory perceptions, decision framing and attribute attendance may affect the likelihood of purchasing specific products. These papers shed light on how these different characteristics matter to product selection, which will be useful to producers/retailers and policy makers.

Store Choice Behavior of Processed Food Shoppers: The Effect of Time Sensitivity and Information

Dahye Kim, *Korea University*; **Byeong-il Ahn**, *Korea University*

Effect of Price on Consumers' Willingness-to-pay: Is it From Quality Perception of Price Anchoring?

Luqing Yu, *Zhifeng Gao, University of Florida*; **Charles Sims**, *University of Florida*; **Lisa A. House**, *University of Florida*; **Zhengfei Guan**, *University of Florida*

Label Position and its Impacts on WTP for Products Containing GMO

Ruskin Gautam, *University of Nebraska-Lincoln*; **Christopher R. Gustafson**, *University of Nebraska-Lincoln*; **Kathleen R. Brooks**, *University of Nebraska-Lincoln*

Accommodating Heterogeneity in Brand Loyalty Estimation: Application to the U.S. Beer Retail Market

Roozbeh Irani-Kermani, *The Pennsylvania State University*; **Edward C. Jaenicke**, *The Pennsylvania State University*

Impact of Intrarespondent Variations in Attribute Attendance on Consumer Preference in Food Choice

Xuqi Chen, *University of Florida*; **Meng Shen**, *University of Florida*; **Zhifeng Gao**, *University of Florida*

A Triple-Hurdle Count Data Model of Market Participation and Consumption

Yuan Jiang, *University of Florida*; **Lisa A. House**, *University of Florida*

1030 Food Safety and Nutrition

Printers Row, 2nd floor

Selected Presentation – Lightning Session

Get ready, this will go fast. This is the lightning session of the Food Safety and Nutrition Section.

Time Spent in Commitment Activities and Household Diet Quality

Benjamin Scharadin, *The Pennsylvania State University*; **Edward C. Jaenicke**, *The Pennsylvania State University*

Household Food Retail Environment and Shopping Behavior

Joel Cuffey, *University of Minnesota*; **Timothy Beatty**, *University of California, Davis*

Saliency or Learning? Social Marketing and Food Safety Labeling in Kenya

Vivian E. Hoffmann, *University of Maryland*; **Christine M. Moser**, *Western Michigan University*

An Analysis of Exposure to Poor Food Environments and Diet-Related Health Outcomes

Michele L. Ver Ploeg, *USDA-Economic Research Service*; **Lisa Mancino**, *USDA-Economic Research Service*; **Christopher W. Dicken**, *USDA-Economic Research Service*; **Tracey L. Farrigan**, *USDA-Economic Research Service*; **Thomas Hertz**, *USDA-Economic Research Service*

Demographics, Shopping Patterns, and Healthful Food Choices: An Analysis by Income Status

Alessandro Bonanno, *Colorado State University*; **Clare Cho**, *USDA-Economic Research Service*; **Rebecca Cleary**, *The Pennsylvania State University*

To Market, to Market: Does Smallholder Vegetable Production Lead to Increased Diet Diversity and Improved Diet Quality?

Empirical Evidence from Northwest Vietnam

Christian A. Genova II, *International Rice Research Institute*; **Alexandra Peralta**, *The University of Adelaide*; **Wendy J. Umberger**, *The University of Adelaide*; **Suzie Newman**, *The University of Adelaide*

1031 Trust and Coordination in Agribusinesses

Iowa, 6th floor

Selected Presentation

This session examines trust and coordination as they relate to agribusinesses. Trust is studied as an economic phenomenon and in relation to consumer willingness to pay for biotechnology. Coordination through membership in cooperatives is examined for its effect at the farm level.

The Economic Value of Trust

Brian C. Briggeman, *Kansas State University*; *Claire Newman*, *ERA Economics*; *Jason S. Bergtold*, *Kansas State University*

Impact of Producer, Trust, and Purpose of Biotechnology on Willingness-To-Pay

Joanna Karavolias, *University of Florida*; *Lisa A. House*, *University of Florida*

The Impact of Cooperative Membership on Farm Income

Mateus C R Neves, *Federal University of Viçosa*; *Felipe Silva*, *University of Nebraska-Lincoln*; *Carlos Otávio Freitas*, *Federal University of Viçosa*; *Marcelo J. Braga*, *Federal University of Viçosa*

Identity Comparison and Member Commitment to Agricultural Cooperatives: A Renewed Analysis Comparing Two Estimation Techniques

Jason S. Entsminger, *McQuinn Center for Entrepreneurial Leadership, University of Missouri*

1032 Producers and Market Preferences: Implications for Farm Management

Clark

Selected Presentation

Papers in this section examine the effect that preferences and market conditions have on the adoption of risk management decisions and demand for differentiated products.

Citrus Producers' Choice of Price Risk Management Tools

Marcelo José Carrer, *Federal Institute of Education, Science and Technology of Sao Paulo*; *Rodrigo Lanna F. Silveira*, *University of Campinas*; *Hildo Meirelles De Souza Filho*, *Federal University of São Carlos*

Preferences and Prevention: Risk Management in Seed Potato Production

Kate B. Fuller, *Montana State University*; *Nina Zidack*, *Montana State University*; **Christopher S. McIntosh**, *University of Idaho*

Producers Valuation of Feeder Cattle Characteristics: A Hedonic Model for Heterogeneous Inputs

Samuel D. Zapata, *Texas A&M University*

Quality Forecasts: Predicting When and How Much Markets Value Higher Protein Wheat

Anton Bekkerman, *Montana State University*; *Dylan Grubb*, *Montana State University*

1033 Behavioral Economics in Consumer and Producer Decision-making

Grace, 4th floor

Selected Presentation

The papers in this session examine the rationality of decision-making of individual consumers and producers.

Farmers' Revenue Conditions Predictions and Land Conversion Decisions: Evidence of the Gambler's Fallacy

Mary Doidge, *Michigan State University*; *Hongli Feng*, *Michigan State University*; *David A. Hennessy*, *Michigan State University*

Exploring Behavioral Nudges to Improve Nutrition in Bangladesh

Kelly A. Davidson, *University of Florida*; *Jaclyn D. Kropp*, *University of Florida*

The Blatant Nudge: The Impact of an Information and Available Choices on Consumers' Consumption

Gnel Gabrielyan, *Cornell University*; *David R. Just*, *Cornell University*

Product Formulation and Glyphosate Application Rates: Confusion or Rational Behavior?

Edward Perry, *Iowa State University*; *David A. Hennessy*, *Michigan State University*; *GianCarlo Moschini*, *Iowa State University*

1034 Effects of the Ethanol Boom on Agricultural Markets: New Evidence

Michigan, 6th floor

Selected Presentation

Papers in this session discuss new evidence regarding the effects of the ethanol boom on agricultural commodity markets, with a particular focus on crop prices, asymmetry, and spatial price linkages.

Insights from Anticipatory Prices

Leslie J. Verteramo Chiu, *Cornell University*; **William G. Tomek**, *Cornell University*

Integration and Hedging Efficiency between the Brazilian and the U.S. Ethanol Markets

Daniel H D Capitani, *University of Campinas*; **Julyerme M. Tonin**, *State University of Maringa*; **Jose Cesar Cruz Jr.**, *Federal University of Sao Carlos*

Are Price Transmissions between U.S. Energy and Corn Markets Asymmetric?

Veronica F. Pozo, *Utah State University*; **Vladimir Bejan**, *Seattle University*; **Lance Bachmeier**, *Kansas State University*

1035 Economics of Food Deserts and Nutrition Labels

Ohio State, 6th floor

Selected Presentation

Papers in this session deal with the economics of retail stores in food deserts and consumer behavior in food deserts, as well as consumer responses to front-of-package nutrition labels.

Welfare Impacts from Store Attribute-Based Policy Interventions in an Urban Setting: An Application to Philadelphia

Lauren Chenarides, *The Pennsylvania State University*; **Edward C. Jaenicke**, *The Pennsylvania State University*

Does Subsidizing Supermarkets to Enter Food Deserts Increase Welfare?

Linlin Fan, *University of Illinois at Urbana-Champaign*

Identification of and Consumer Behavior in Food Deserts: A Case Study of South Korea

Sanghyo Kim, *Korea Rural Economic Institute*; **Carl R. Zulauf**, *The Ohio State University*; **Kyei-Im Lee**, *Korea Rural Economic Institute*

Types of Front of Pack Nutritional Food Label and Diet Improvement: What Works?

Mara Thiene, *University of Padova*; **Riccardo Scarpa**, *Queens University - Belfast*; **George Hutchinson**, *Queen's University Belfast*; **Alberto Longo**, *Queen's University Belfast*

1036 Agricultural Productivity and Efficiency in Developing Economies

Purdue, 6th floor

Selected Presentation

This session discusses farm and farm worker productivity and efficiency. The first paper examines whether measured worker productivity gaps are causal or driven by selection. The second paper investigates the impact of access to malaria treatment on worker productivity. The third paper analyzes how the provision of plot-specific fertilizer recommendations affects input use and productivity. The last paper estimates the efficiency and equity returns to land renting.

Reevaluating Agricultural Productivity Gaps with Longitudinal Microdata

Joan Hamory Hicks, *University of California, Berkeley*; **Marieke Kleemans**, *University of Illinois at Urbana-Champaign*; **Nicholas Li**, *University of California, Berkeley*; **Edward Miguel**, *University of California, Berkeley*

Agricultural Worker Productivity and Health: Alternative Productivity Measures using Physical Activity

Oladele Akogun, *Modibbo Adama University of Technology*; **Andrew Dillon**, *Michigan State University*; **Jed Friedman**, *World Bank*; **Ashesh Prasann**, *World Bank*; **Pieter Serneels**, *University of East Anglia*

The Effect of Soil Information on Small Farmer Agricultural Investment and Productivity

Aurelie P. Harou, *McGill University*; **Hope C. Michelson**, *University of Illinois at Urbana-Champaign*; **Cheryl Palm**, *Columbia University*; **Malgosia Madajewicz**, *Columbia University*; **Chris Magomba**, *Sokoine University of Agriculture*

Do Farm Land Rental Markets Really Promote Efficiency and Equity in Smallholder African Agriculture? Evidence from a Matched Tenant-Landlord Sample in Malawi

Jacob Ricker-Gilbert, *Purdue University*; **Rodney W. Lunduka**, *International Food Policy Research Institute*; **Joseph Samuel Kanyamuka**, *LUANAR, Malawi*; **Charles Jumbe**, *Bunda College*; **Stevier Kaiyatsa**, *Government of Malawi*; **Jordan Chamberlin**, *International Maize and Wheat Improvement Center*

1037 Livelihood Strategies and Resilience

River North, 2nd floor

Selected Presentation

This session focuses on rural household livelihood strategies and resilience measurement. The first paper presents a data collection approach and a strategy to measure resilience. The second paper examines the welfare impacts of a livestock transfer program. The third paper evaluates the effectiveness of coping strategies in mitigating weather shocks. The last paper examines whether investments in school infrastructure increase resilience to natural disaster shocks.

Analysis of Resilience Dynamics: Modelling Wellbeing in the Context of Shocks

Erwin Knippenberg, *Cornell University*; **Nathaniel D. Jensen**, *Cornell University*; **Mark A. Conostas**, *Cornell University*

Short-term Impacts of a Livestock Transfer and Training Program in Rural Nepal

Sarah A. Janzen, *Montana State University*; **Nicholas Magnan**, *University of Georgia*; **William M. Thompson**, *University of Georgia*

Weather Shocks, Coping Strategies, and Consumption Dynamics in Rural Ethiopia

Jianfeng Gao, *Virginia Tech*; **Bradford F. Mills**, *Virginia Tech*

Resilience to Shocks during Adolescence and Later Human Capital Outcomes: Evidence from Natural Disasters in the Philippines

Catalina Herrera Almanza, *Northeastern University*; **Ava Cas**, *The Catholic University of America*

1038 The Effects of Food Safety Requirements and Labeling on Trade

Northwestern, 6th floor

Selected Presentation

This session investigates the effects of non-tariff measures such as sanitary and phytosanitary measures as well as eco-labeling on agricultural trade and consumer welfare.

The Impact of Regulatory Similarity on the Seafood Trade

Rui Chen, *Auburn University*; **Norbert L. W. Wilson**, *Tufts University*

On the Impact of Sanitary and Phytosanitary Measures on Agri-food Trade: New Evidence from Chinese Firm-level Data

Chaoping Xie, *Virginia Tech*; **Jason Grant**, *Virginia Tech*; **Wen You**, *Virginia Tech*

1039 Natural Resource Economics - Energy and Agriculture

Indiana, 6th floor

Selected Presentation

Studies at the intersection of energy and agriculture; petroleum, coal, and energy crops with endangered species, agricultural profits, wood pellets and loss aversion

The Petroleum Industry's Response to an Endangered Species Listing

Richard T. Melstrom, *Oklahoma State University*

Can Wood Pellets Save Coal?

Brandon Weiland, *Purdue University*; **Juan Pablo Sesmero**, *Purdue University*; **Paul Preckel**, *Purdue University*; **Michael E. Wetzstein**, *Purdue University*

Adopting Energy Crops: Does Farmers' Attitude toward Loss Matter?

Mohit Anand, *Auburn University*; **Ruiqing Miao**, *Auburn University*; **Madhu Khanna**, *University of Illinois at Urbana-Champaign*

1040 Spatial, Precision and Information Technologies

Streeterville, 2nd floor

Selected Presentation

The adoption of information technologies widely known as precision agriculture have empowered farmers to make the most of both data and automation. Spatial analysis of landscape scale agricultural systems also improves the efficiency of these systems.

A Spatio-Temporal Analysis of the Adoption Process of Complementary Precision Agricultural Practices in Kansas

Noah J. Miller, *Kansas State University*; **Jason S. Bergtold**, *Kansas State University*; **Terry W. Griffin**, *Kansas State University*; **Aleksan Shanoyan**, *Kansas State University*

Yield Maps, Soil Maps, and Technical Efficiency: Evidence from U.S. Corn Fields

Jonathan McFadden, *USDA-Economic Research Service*

The Nature of Spatial Externalities in the Decision to Adopt Organic Production Systems

Timothy A. Delbridge, *California Polytechnic State University*; **Cristina Connolly**, *California Polytechnic State University*

A Spatial Analysis on Corn Production: Implication for Ethanol Sustainability

Dong Hee Suh, *Korea University*

1042 Relational Goods and Motives: Can Money Buy Happiness?

Cook, 3rd floor

Track Session – Senior Section

In his New York Times bestseller *What Money Can't Buy*, Michael J. Sandel asks important ethical questions such as, "Is it ethical to pay people to test risky new drugs or to donate their organs?" One way to reframe Sandel's ethical questions is to ask: when is it ethical to convert a relational good (e.g. one's organ) into a commodity by selling it on a commodity market (commodification). Conversely, what is gained when commodities are converted into relational goods? In this session we consider practical aspects of transforming relational goods into commodities, and vice-versa. The first presentation examines how decommodifying foods in a school cafeteria increases child nutrition and achieves nutrition requirements. The second presentation focuses on relational motives influencing the decision to undergo an important routine medical screening (colonoscopy), which if viewed as leading to a more fulfilling life, might increase compliance.

Organizer: Lindon J. Robison, Michigan State University

Moderator: David R. Just, Cornell University

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

Decommodifying School lunches: How Students Respond when Cafeteria Foods are Converted into Relational Goods

Andrew Hanks, *The Ohio State University*; **David R. Just**, *Cornell University*

Decommodification of Medical Screenings: How Patients Respond When a Medical Screen is Converted into a Relational Good

Lindon J. Robison, *Michigan State University*; **Jeffrey R. Oliver**, *Michigan State University*; **James Ogilvie**, *Spectrum Health*

1043 Experimental Elicitation of Willingness to Accept: Methodological Issues and Novel Applications

Sheffield, 4th floor

Track Session – EXECON and IBES Section

The measurement of Willingness-to-Accept (WTA) poses special challenges in experimental settings. It can be difficult to explain the concepts at issue to participants, there are few opportunities to design truly incentive-compatible experiments, and some observers argue that hypothetical biases are likely to be larger in the measurement of WTA than in WTA. This session highlights creative attempts to address these concerns, and emphasizes methodological innovations that may be applied in future studies as well. The session features the results of three novel experimental auctions measuring the value of stigma (Kecinski, et al) and social network accounts (Cash, et al.; Corrigan and Rousu), as well as the findings of a comprehensive meta-analysis of WTA studies (Hu and Penn).

Organizer: Sean B. Cash, Tufts University

Moderators: Sean B. Cash, Tufts University; Matthew C. Rousu, Susquehanna University

The Behavioral Implications of Disgust

Kent D. Messer, University of Delaware; **Harry M. Kaiser**, Cornell University; **Maik Kecinski**, University of Alberta; **William Schulze**, Cornell University

The Value of your Virtual Life: Relating Monetary Values for Social Networks to User Motivations

Sean B. Cash, Tufts University; **Saleem Alhabash**, Michigan State University

Estimating the Value of Facebook: Evidence from Experimental Auctions

Jay R. Corrigan, Kenyon College; **Matthew C. Rousu**, Susquehanna University

Hypothetical Bias from Willingness to Accept Questions: Is it Bias in the Outliers?

Wuyang Hu, University of Kentucky; **Jerrold Penn**, University of Kentucky

1044 Climate Data and Climate Change Impacts

Wisconsin, 6th floor

Track Session – ENV Section

Variations in temperature and precipitation due to climate change will have consequences for the agricultural landscape with impacts on environmental measures and water. This session presents papers that shed light on the effects of climate change on natural systems as well as adaptation measures. The goal of the session is to present work that spans a wide range of research on climate change and its links to economic development, agriculture, air quality, water, etc. From an agricultural perspective, the impact on crop production, land-use change, ecosystem services play a vital role in future policy discussions. The session also includes papers that focus on the methodological approach to assess climate change impact such as the use of climate data, spatial econometrics, and mathematical programming.

Organizer: Jerome R. Dumortier, Indiana University – Purdue University Indianapolis

The Ricardian Model of Climate Change Impact Meets the Ricardian Model of Interregional Trade: Theory and Evidence

Sandy Dall’Erba, University of Illinois at Urbana-Champaign; **Zhangliang Chen**, University of Illinois at Urbana-Champaign; **Madhu Khanna**, University of Illinois at Urbana-Champaign; **Fang Fang**, University of Arizona

Climate Change and Agriculture: Mechanisms, Adaptation, and Uncertainty

Nathan P. Hendricks, Kansas State University; **Jesse B. Tack**, Kansas State University

The Economic Impacts of Climate Change on Agriculture: Accounting for Time-invariant Unobservables in the Hedonic Approach

Ariel Ortiz-Bobea, Cornell University

Long-run Impacts of Climate Change on Crop Yields: Estimation Framework and Evidence from France

Pierre Mérel, University of California, Davis; **Matthew Gammans**, University of California, Davis

1045 Measurement and Policy from Three Perspectives: Sampling, Anchoring, and Unit Values

Illinois, 6th floor

Track Session – Econometrics Section

Measurement plays a crucial role in impact estimates that directly influence policy. In this session, we study the way measurement affects parameter estimates from three different perspectives. First, we explore sample choice and its effects on regression discontinuity estimates from a social protection program in Pakistan. We find the sampling technique affects the optimal bandwidth and importantly bias corrections to parameter estimates. Second, we vary anchoring in a set of Central American panel surveys, and find that anchoring bias depends upon the sign of the change in indicators like wages and working hours. Third, we explore the implications of the use of unit values on price elasticity estimates in developing countries. When people substitute lower quality goods as prices rise, the use of unit values rather than controlling for both price and quality exaggerates quantity responses to price changes.

Organizer: Alan D. De Brauw, International Food Policy Research Institute

Moderator: Emilia Tjernström, University of Wisconsin–Madison

Discussant: Barrett E. Kirwan, University of Illinois at Urbana-Champaign

When Sampling is Random But Not Simple: Implications for Optimal Bandwidths and Impact Estimates in Regression Discontinuity Design

Alan D. De Brauw, International Food Policy Research Institute; Kate Ambler, International Food Policy Research Institute

Anchoring Bias in Recall Data: Evidence from Central America

Manuel A. Hernandez, International Food Policy Research Institute; Susie Godlonton, Williams College; Mike Murphy, International Food Policy Research Institute

Thirty Years of Being Wrong: A Retrospective on Use of the Cox and Wohlgemant (1986) Approach to Quality-Adjusted Prices in Demand Analysis

John Gibson, University of Waikato; Bonggeun Kim, Seoul National University

1046 Trends in Preferential Trade Agreements in Latin America

Great America II, 6th floor

Track Session – LAS and International Sections

This session discusses the role of preferential trade agreements (PTA) in the economic growth of several Latin American countries. It identifies factors that enhance countries' performances; analyzes how countries' trade competitiveness improves industry's efficiency and social benefits; and highlights distinct agricultural policy trajectories. The first presentation focuses on U.S. fresh-fruit trade by PTAs (including NAFTA, MERCOSUR and CAFTA) and contrasts successful and unsuccessful cases. The second presentation analyzes the performance of the agricultural sectors in Central American countries and Dominican Republic during DR-CAFTA adaptation, including assessment of policy strategies and level of competitiveness. The third presentation focuses on the role foreign direct investments and PTA have on the economic growth of Latin America. The session will generate discussion around the fact that effective adaptation of FTA plays a key role in the economic growth of a country.

Organizers: Carmine Paolo De Salvo, Inter-American Development Bank; Jose A. Lopez, Texas A&M University - Commerce; Luis M. Pena-Levano, Purdue University

Discussant: Jaime E. Malaga, Texas Tech University

US Fresh-Fruit Trade and Preferential Agreements

Jose A. Lopez, Texas A&M University - Commerce; Hovhannes Mnatsakanyan, Texas A&M University-Commerce

Agricultural Public Policy Analysis for Central America and the Dominican Republic in the framework of the DR-CAFTA

Carmine Paolo De Salvo, Inter-American Development Bank; Geoffrey Cannock; Romina Ordonez, Inter-American Development Bank; Gonzalo P. Muñoz Sr., IADB

Foreign Direct Investment and Preferential Trade Agreements in the Economic Growth of Latin America

Luis M. Pena-Levano, Purdue University; Grace Melo, University of Georgia

1047 Attracting and Retaining Generation Y in the Agribusiness Industry

Dupage, 3rd floor

Track Session – AEM Section

By 2020, millennials will constitute approximately 40% of the U.S. workforce (Forbes 2014, cited Jamie Gertfeude of CAA's Intelligence Group). Recent research on youth-focused consumer preferences and trend forecasting shows that this generation has a very distinct and iconoclastic set of beliefs, career expectations, and motivations (Senderoff 2014). For example, millennials have been found to demand a greater life-work balance, a more flexible schedule, and a faster career progression compared to their predecessors. These intergenerational differences highlight the importance for employers to understand the needs of this growing employment group and find ways to adjust the organizational culture to facilitate the shift in employees' career expectations and motivations.

Organizer: Aslihan D. Spaulding, Illinois State University

Discussants: Michael Barrowclough, Illinois State University; Iuliia Protopop, University of Nebraska-Lincoln; Aslihan D. Spaulding, Illinois State University

Panelists: Daniele Mineck, River Valley Cooperative; Blake Noland, Pfister Seeds; Nancy Parli-Vallar, Consolidated Grain and Barge; Andy Patton, Aerial Crop Expert Scouting; Craig Patty, DTN/The Progressive Farmer; Josh Rund, United Prairie, LLC; Don Van Lyssel, Career Paths Unlimited

1048 Food Prices, Market Access and Malnutrition in Rural Africa

Great America I, 6th floor

Track Session – International and FSN Sections

Efforts to combat malnutrition in rural Africa generally focus on household income and local food production, supplemented by targeted nutrition assistance. A relatively neglected influence is local markets, where limited variety and high prices for healthy foods relative to other things may contribute to poor outcomes. This session offers frontier research on food markets and household demand for purchased foods, including Marshaun Montgomery et al. on how food security and dietary diversity in rural Zambia has responded to spatial variation in local market prices and availability; Jennifer Coates et al. on the degree to which wealthier households in rural Ethiopia are able to smooth diet diversity over time; Chen Zhen on novel estimates of demand systems for nutritional quality in Tanzania, and William Masters on new price indexes for the cost of nutrition in Ghana and Tanzania.

Organizer: William A. Masters, Tufts University

Moderator: William A. Masters, Tufts University

Rural Food Markets, Local Food Security and Diet Diversity in Zambia

Marshaun Jesse Montgomery, *University of Illinois at Urbana-Champaign*; **Kathy Baylis**, *University of Illinois at Urbana-Champaign*; **Tom Evans**, *Indiana University*

Level and Variation of Diet Quality in Rural Ethiopia: Does Consumption Smoothing Maintain Household Dietary Diversity during Lean Seasons

William A. Masters, *Tufts University*; **Jennifer Coates**, *Tufts University*; **Kathryn Spielman**, *Tufts University*; **Kathryn Spielman**, *Tufts University*; **Natalie Theys**, *Tufts University*

Estimating Consumer Demand for Foods and Nutrients in Tanzania

Chen Zhen, *University of Georgia*; **Edith Lazaro**, *Tanzania SERA Project*; **Donald Mitchell**, *Tanzania SERA Project*

Measuring the Cost of Healthy Diets: Fluctuations and Trends in Novel Price Indexes for Ghana and Tanzania

Yan Bai, *Friedman School of Nutrition at Tufts University*; **William A. Masters**, *Tufts University*; **Jennifer Coates**, *Tufts University*; **Anna Herforth**, *Independent Consultant*; **Daniel Sarpong**, *University of Ghana-Legon*; **Fulgence J. Mishili**, *Sokoine University of Agriculture*

1049 Wine, Spirits, and Beer: Alcohol Consumers and their Impact

Kane, 3rd floor

Track Session – BEER Section

This session focuses on the diverse landscape of the American wine, spirits, and beer consumers and industries. The first paper is an update on these industries in Minnesota where changing laws, from licensing fees to the ability to sell on-premise, have created a very different environment. The second paper examines the preferences of U.S. consumers to different styles of wine bottle labels and to different informational constructs that could be used for labeling Bulgarian wine for the U.S. market. The third paper creates a profile of the Millennial wine consumer in California and, through the use of cluster analysis, looks at the different wine consuming segments within the Millennial generation. Finally, the fourth paper presented investigates how shifts in alcohol expenditures towards craft beer affects the incidence of self-reported stress and cholesterol concerns, two short-to-medium term health outcomes.

Organizer: Michael P. McCullough, California Polytechnic State University

Moderator: Michael P. McCullough, California Polytechnic State University

Changes in the Wine and Craft Spirits Industry in Minnesota: A Timely Update

Ward E. Nefstead, *University of Minnesota*

Consumer Preferences, Awareness, and Knowledge: An Application to U.S. Demand for Bulgarian Wine

Mark Leonard, *American University in Bulgaria*; **Kristiyana Yankova**, *American University in Bulgaria*

Craft Beer Expenditures and Health Outcomes: A Difference-in-Difference Approach

Richard J. Volpe III, *California Polytechnic State University*; **Michael P. McCullough**, *California Polytechnic State University*; **Michael K. Adjemian**, *USDA-Economic Research Service*

1050 Who Is Food (In)secure in the U.S.? Explaining Differences across Households

Minnesota, 6th floor

Track Session – Africa and COSBAE Sections

The prevalence of food insecurity varies across households in the U.S. Notably households with disabled individuals, racial and ethnic minorities, and immigrants experience higher rates of food insecurity relative to their counterparts. Interestingly, households with low incomes are not necessarily food insecure and may use a variety of coping mechanisms to meet their food needs. The Great Recession led to an increase in food insecurity in the U.S.; thus, this period ushered in new and different households into the food insecure ranks. The group of papers in this proposal will reconsider who is food insecure and what factors contribute to this food insecurity. The papers will open new discussions of how best to address food insecurity spread differentially across the U.S.

Organizer: Norbert L.W. Wilson, Tufts University

Moderator: Norbert L.W. Wilson, Tufts University

Understanding the Relationship between Food Insecurity and Disability of Household Members: Is There a Link?

Seungyeon Cho, *Texas A&M University*; **Ariun Ishdorj**, *Texas A&M University*; **Christian A. Gregory**, *USDA-Economic Research Service*

Household Exposure to Food Insecurity in the United States over the Great Recession: How Did Exposure Vary by Race/Ethnicity and Immigrant Status?

Norbert L.W. Wilson, *Tufts University*; **Hugo Borges Jales**, *Syracuse University*; **Judith Liu**, *Syracuse University*; **Alfonso Flores-Lagunes**, *Syracuse University*

Why do Food Bank Clients in the United States Identify as Food Secure?

Craig G. Gundersen, *University of Illinois at Urbana-Champaign*; **Emily Engelhard**, *Feeding America*; **Monica Hake**, *Feeding America*

1051 Crop and Livestock Outlook

Addison, 4th floor

Track Session – EXT Section

This session continues the tradition of Extension Section Outlook organized symposium. This year will focus on both crop and livestock situation and outlook collectively. The presenters will discuss market conditions, supply, demand, and prices for the described commodities.

Organizer: John Michael Riley, Oklahoma State University

MONDAY, 2:45 PM - 4:15 PM

1052 Case Studies in Agriculture and Resource Economics

Belmont, 4th floor

Invited Case Studies

The invited case studies bring new teaching cases to challenge your students in the classroom at both the undergraduate and graduate levels. This year's cases involve the production and marketing risks in the choice to genetically engineered potatoes; an analysis of the investment risk in producing oranges in Florida and the analysis of the environmental effects of a water quality disaster in West Virginia. The cases are relevant to a variety of agricultural and resource economics courses.

Is Growing Oranges in Florida a Good Investment?

Carlos O. Trejo-Pech, *The University of Tennessee, Knoxville*; **Thomas H. Spreen**, *University of Florida*; **Marisa L. Zansler**, *Florida Department of Citrus*

Genetic Engineering and Disease Risk in Varietal Selection: A Case Study of the Seed Potato Industry

Kate B. Fuller, *Montana State University*; **Gary W. Brester**, *Montana State University*

The Economic and Health Effects of the Chemical Spill in the Elk River

Todd Guilfoos, *University of Rhode Island*

1053 Climate Smart Agriculture

McHenry, 3rd floor

Organized Symposium

Climate Smart Agriculture is an approach to guide the management of agriculture in the era of climate change. It was launched in 2009 and it is being reshaped to better provide policy design support and recommendations by multilateral organizations. The framework aims to develop strategies to achieve food security and sustainable development, in developed, and in particular developing, countries. This special session will provide the highlights and lead to a discussion on the findings of a recent FAO book on the economics of CSA ("Climate Smart Agriculture - Building Resilience to Climate Change"). The book contains the results of a major policy research effort. It lays a conceptual foundation for CSA as well as 15 case studies on various aspects associated with its implementation and insights by seven leading policy makers and experts. After a five minute introduction, the session will have five presentations of twelve minutes each, followed by a discussion.

Organizer: David Zilberman, University of California, Berkeley

Moderator: David Zilberman, University of California, Berkeley

Panelist: Ephraim M. Nkonya, International Food Policy Research Institute

Devising Effective Strategies and Policies for CSA

Leslie M. Lipper, *ISPC-CGIAR*; **Nancy A. McCarthy**, *Food and Agriculture Organization of the United Nations*

Assessment Methods to Evaluate Vulnerability, Resilience and Adaptive Capacity for Climate Smart Agricultural Systems

John M. Antle, *Oregon State University*; **Sabine Homann-KeeTui**, *International Crops Research Institute for the Semi-Arid Tropics*; **Katrien Descheemaeker**, *Wageningen University*; **Patricia Masikati**, *World Agroforestry Centre*; **Roberto O. Valdivia**, *Oregon State University*

Climate Smart Food Supply Chains in Developing Countries

Thomas A. Reardon, *Michigan State University*; **David Zilberman**, *University of California, Berkeley*

U.S. Maize Yield Growth and Countervailing Climate Change Impacts

Ariel Ortiz-Bobea, *Cornell University*

1054 Social Change, Resource Depletion and Ecosystem Services in Asia and the Pacific

Cook, 3rd floor

Organized Symposium – Australian Agricultural and Resource Economics Society (AARES)

Rapid change in the economic environment in increasingly urban and affluent Asia exerts uneven pressures on natural resources and ecosystem service supply. Examples include destruction of tropical forests from the expansion of palm oil production and other land use and land cover changes. We report on international research that uses new methods to examine the causes and consequences of these changes, drawing examples from forests and farming systems in Asia and the Pacific. A discussion of the methodological challenges posed by these changes in this context is part of our conversation.

Moderator: Francis G. Scrimgeour, University of Waikato

Discussant: Wendy J. Umberger, University of Adelaide

Forest Loss and Economic Inequity in the Solomon Islands: Using Small-Area Estimation to Link Environmental Change to Welfare Outcomes

John Gibson, *University of Waikato*

Land-use/Land-cover Change and Ecosystem Service Provision in China

Xiangzheng Deng, *Chinese Academy of Science*

Demand for Information by Poor Households in Laos

Daniel Gregg, *The University of Adelaide*

1055 Environmental and Nonmarket Valuation

Michigan

Selected Presentation – Lightning Session

This session includes papers that employ nonmarket valuation techniques to answer a variety of environmental and resource research questions. Valuation methods include contingent valuation, hedonic analysis, sorting models, and choice-based experiments.

Individual Discounts Rates for Water-Saving Irrigation Technologies using Contingent Valuation

Kent Kovacs, *University of Arkansas*; **Ji Yong Lee**, *Kansas State University*; **Rodolfo M. Nayga**, *University of Arkansas*

Inter-temporal Benefit Transfer with Revealed Preference Data: Evidence from a Five Year Panel of Lake Recreational Usage

Yongjie Ji, *Iowa State University and CARD*; **Catherine L. Kling**, *Iowa State University*; **David A. Keiser**, *Iowa State University*

Effects of Information Framing on Smallholder Irrigation Farmers' Willingness to Pay for Groundwater Protection: The Case of Veolia Irrigation Scheme in Ghana

Mustapha Albassan, *University of Nebraska-Lincoln*; **Karina Schoengold**, *University of Nebraska*; **Christopher R. Gustafson**, *University of Nebraska-Lincoln*

Consumer WTP for Biodegradable Plastic Mulches

Kuan-Ju Chen, *Washington State University*; **Thomas L. Marsh**, *Washington State University*

The Cost of Wildfires in Heavily Urbanized Areas: A Hedonic Approach

Sophia Tanner, *Michigan State University*; **Cloe Garnache**, *Michigan State University*; **Frank Lupi**, *Michigan State University*

The Status Quo Effect in Consumers' Preferences for Locally and Organically Grown Fresh Produce

Wei Shi, *University of New Hampshire*; **John M. Halstead**, *University of New Hampshire*; **Ju-Chin Huang**, *University of New Hampshire*

Bias Correction of Welfare Measures in Non-Market Valuation: Comparison of the Delta Method, Jackknife and Bootstrap

Rui Zhang, *University of Georgia*; **J. Scott Shonkwiler**, *University of Georgia*

Reeling in the Damages: Harmful Algal Blooms' Impact on Lake Erie's Recreational Fishing Industry

David M. Wolf, *The Ohio State University*; **Will C. Georgic**, *The Ohio State University*; **Allen Klaiber**, *The Ohio State University*

1056 Modeling Methods and Policy Impacts in International Agricultural Trade

River North, 2nd floor

Selected Presentation – Lightning Session

In this session, papers discuss emerging issues in modeling methods and policy impacts in international agricultural trade.

Exchange Rates and China's Agricultural Trade

Chang Hong, USDA-Economic Research Service; **William M. Liefert**, USDA-Economic Research Service; **Sun Ling Wang**, USDA-Economic Research Service

Effects of China's Rising Labor Costs on the World Cotton Market

Ping Wang, Auburn University; **Henry W. Kinnucan**, Auburn University; **Patricia A. Duffy**, Auburn University

The Uncertain Effects of Chinese Policy Reforms on Maize: The Return of China as a Maize Exporting Giant?

Simone Pieralli, European Commission; **Ignacio Perez Dominguez**, European Commission

Understanding China's Soybean Boom from Historical Validation

Guolin Yao, Purdue University; **Thomas W. Hertel**, Purdue University; **Farzad Taheripour**, Purdue University

Measuring Storage Responses of Broiler Producers during an Outbreak of Highly Pathogenic Avian Influenza

Matthew J. MacLachlan, USDA-Economic Research Service; **Amy D. Hagerman**, USDA-Animal and Plant Health Inspection Service

Testing for Persistent Japanese Beef Trade Impacts from BSE Using a Time-Varying Armington Model with Fourier-Series Approximation

Byung Min Soon, University of Missouri; **Wyatt Thompson**, University of Missouri

1057 Commodity Futures, Price Volatility, Risk Management and Regulations

Iowa, 6th floor

Selected Presentation

This session examines factors affecting price volatility and agricultural future markets.

The Informational Impact of USDA Reports on the Trading Costs of Agricultural Commodities Futures

Adrian Fernandez-Perez, Auckland University of Technology; **Bart Frijns**, Auckland University of Technology; **Ivan Indriawan**, Auckland University of Technology; **Alireza Tourani-Rad**, Auckland University of Technology

Agricultural Commodity Futures Price Volatility: A Market Regulatory Policy Study

George P. Apperson III, Clemson University

Factors Affecting Uncertainty and Volatility Expectations in Agricultural Markets

Michael K. Adjemian, USDA-Economic Research Service; **Valentina Bruno**, American University; **Michel A. Robe**, American University; **Jonathan Wallen**, Stanford University

Multi-Commodity Hedging in the Live Cattle Futures Market

David P. Anderson, Texas A&M University; **Chengcheng Fei**, Texas A&M University; **Reid Stevens**, Texas A&M; **Dmitry Vedenov**, Texas A&M University

1058 Factors Influencing Livestock Pricing

Great America II, 6th floor

Selected Presentation

Different factors that influence livestock pricing and forecasting are discussed in this session including spatial market linkages, asymmetry, volatility, and livestock and seller characteristics.

Are USDA Livestock Price Forecasts Actually Biased? Empirical Tests under Asymmetric Loss

Todd Hubbs, *University of Illinois at Urbana-Champaign*; **Todd H. Kuethe**, *University of Illinois at Urbana-Champaign*

Effect of Seller Characteristics, Livestock Characteristics, and Market Volatility on Bid Acceptance at Superior Livestock Video Auctions

James L. Mitchell, *Kansas State University*; **Glynn T. Tonsor**, *Kansas State University*

Cattle, Cutouts, and the Drop: How Much Information is in Disaggregated Cattle Prices?

William F. Habm, *USDA-Economic Research Service*

Testing Spatial Price Linkages in U.S. Southern Cattle Market: An Application of STAR Model with Cattle Inventory-Controlled Transitions

Yunhan Li, *University of Georgia*; **Wenying Li**, *University of Georgia*; **Jeffrey H. Dorfman**, *University of Georgia*

1059 Climate Change, Carbon Taxes, and Greenhouse Gas Emissions

Northwestern, 6th floor

Selected Presentation

Papers in this session consider the potential effects of carbon taxes on food products in the United States and Spain; the effects of trade policy on agricultural greenhouse-gas emission mitigation; and the effects of climate change on agriculture in the United States.

Use of a Carbon Tax on Food Purchases to Contribute Towards the U.S. Greenhouse Gas Emissions Reduction Target for 2025

Giulia Tiboldo, *University of Connecticut*; **Rebecca L. Boehm**, *University of Connecticut*; **Elena Castellari**, *University of California, Santa Cruz*; **Farhed A. Shah**, *University of Connecticut*

Environmental, Nutritional and Welfare Effects of Introducing a Carbon Tax on Food Products in Spain

Wisdom Dogbe, *Research Centre for Agri-Food Economy & Development*; **Jose M. Gil**, *Research Centre for Agri-Food Economy & Development*

Does the Current Trade Liberalization Agenda Contribute to Greenhouse Gas Emission Mitigation in Agriculture?

Mihaly Himics, *European Commission, Joint Research Centre*; **Thomas Fellman**, *European Commission, Joint Research Centre*; **Jesus Barreiro-Hurlle**, *European Commission, Joint Research Centre*; **Ignacio Perez Dominguez**, *European Commission*; **Torbjorn Jansson**, *Saint Louis University*; **Peter Witzke**, *Bonn University*; **Franz Weiss**, *European Commission*

The economic impact of climate change on US Agriculture: a multilevel approach

Chang Cai, *University of Illinois at Urbana-Champaign*; **Sandy Dall'Erba**, *University of Illinois at Urbana-Champaign*

1060 Agricultural Finance and Tax Policy

Ohio State, 6th floor

Selected Presentation

Papers in this session consider agricultural credit and the effects of tax policy on farm capital spending.

Quality versus Quantity? Federal Crop Insurance and Agriculture Credit Composition

Margaret C. Jodlowski, *Cornell University*; **Jennifer E. Ifft**, *Cornell University*

Measuring the Farm Level Impact of Rural Credit: A Two Stage Approach

Gabriela Dos Santos Eusébio, *University of Campinas*; **Alexandre Gori-Maia**, *University of Campinas*; **Rodrigo Lanna F. Silveira**, *University of Campinas*

Good Intentions, Unexpected Outcomes? The Role of Increased Deduction Rates for Capital Spending by Farms and Their Contribution to Declining Agricultural Productivity

Siraj G. Bawa, *USDA-Economic Research Service*

The Effect of the Marketing Loan Rate on Commodity Production

Barrett E. Kirwan, *University of Illinois at Urbana-Champaign*

1061 Household and Labor Economics

Printers Row, 2nd floor

Selected Presentation

These papers examine health.

Does Health Insurance Provision Promote Entrepreneurship? Evidence from the State Insurance Mandate Expansion

Yajuan Li, *Texas A&M University*; **Marco A. Palma**, *Texas A&M University*

Fuel Switching and Infant Health: Evidence from LPG Subsidy in Indonesia

Imelda, *University of Hawaii at Manoa*

1062 Risk Management and Insurance Index in Developing Countries

Purdue, 6th floor

Selected Presentation

This session covers topics related to risk and insurance vis-a-vis weather shocks. The first paper assesses both the demand for and effectiveness of a weather index insurance product. The second paper examines farmer preferences for drought-tolerant rice varieties and weather index insurance. The third paper looks at the effect of changing systemic shock probabilities caused by climate change on index insurance demand. The fourth paper investigates the separate and interaction effects of index insurance and joint liability in an insured agricultural loan contract.

Insuring Against Drought: Evidence on Agricultural Intensification and Demand for Index Insurance from a Randomized Evaluation in Rural Bangladesh

Patrick S. Ward, *International Food Policy Research Institute*; **Neha Kumar**, *International Food Policy Research Institute*; **Francesca De Nicola**; **Ruth Hill**, *World Bank*; **Simrin Makhija**, *International Food Policy Research Institute*; **David J. Spielman**, *International Food Policy Research Institute*; **Nicholas Magnan**, *University of Georgia*

Investigating the Impacts of Climate Change on the Demand for Index Insurance

John Dougherty, *The Ohio State University*; **Jon Einar Flatnes**, *The Ohio State University*; **Richard Gallenstein**, *The Ohio State University*; **Mario J. Miranda**, *The Ohio State University*; **Abdoul G. Sam**, *The Ohio State University*

The Interaction of Index Insurance and Joint Liability in Insured Loans

Richard Gallenstein, *The Ohio State University*; **Jon Einar Flatnes**, *The Ohio State University*; **Mario J. Miranda**, *The Ohio State University*; **John Dougherty**, *The Ohio State University*; **Abdoul G. Sam**, *The Ohio State University*

1063 Natural Resource Economics - Climate Change and Agriculture

MI State, 6th floor

Selected Presentation

Papers in this session address impacts of climate change on agriculture, as well as the role of agriculture in adaptation and mitigation to climate change.

Crop Yield and Acreage Adaptation to Climate Changes: Empirical Evidence in Recent Decades

Xiaodong Du, *University of Wisconsin–Madison*; **David A. Hennessy**, *Michigan State University*; **Hongli Feng**, *Michigan State University*

Climate Change Impacts on U.S. Wheat Production through Crop Abandonment

Oladipo S. Obembe, *Kansas State University*

Climate Change, Agriculture, and Sustainable Management of Water Resources in the Sacramento River Basin

Jiaoyuan Huang, *University of Connecticut*; **Farhed A. Shah**, *University of Connecticut*

Climate Change, Economic Growth, and Cooperative Management of Indus River Basin

Farhet Shaheen, *Sher-e-Kashmir University of Agricultural Sciences and Technology of Kashmir*; **Farhed A. Shah**, *University of Connecticut*

1064 Research Methods in Resource and Agricultural Policies

Sheffield, 4th floor

Selected Presentation

This session focus on the research methods in policy evaluations and welfare analysis. The four papers examine the effects of government subsidies on the ethanol industry, evaluate measurements of subjective well-being, assess the impact of the oil spill on property markets, and investigate the impact of undocumented migrant labor on the U.S. economy.

Misclassification Errors of Subjective Well-being: A New Approach to Mapping Happiness

Yinjunjie Zhang, *Texas A&M University*; **Zhicheng Phil Xu**, *Texas A&M University*; **Marco A. Palma**, *Texas A&M University*

Property Values and the Risk from an Oil Spill: the Effects of the Deepwater Horizon Oil Spill in Hillsborough County

Kelly L. Hellman, *University of Massachusetts Amherst*; **Patrick J. Walsh**, *University of Central Florida*

Undocumented Migration to the U.S. from Mexico: Economic Structure, Policy Options, and Impacts

Roman M. Keeney, *Purdue University*; **Kayenat Kabir**, *Purdue University*

1065 Conservation Reserve Program

Streeterville, 2nd floor

Selected Presentation

This session examines the effects of the USDA's Conservation Reserve Program. Presentations focus on impacts to wildlife, aquifers, and local employment.

Estimating the Impact of the USDA Conservation Reserve Program on Groundwater Levels in the Republican River Basin

Dylan T. Riley, *University of Nebraska-Lincoln*; **Taro Mieno**, *University of Nebraska-Lincoln*; **Karina Schoengold**, *University of Nebraska-Lincoln*

The Impact of Conservation Programs on Local Employment: A Case of Conservation Reserve Program

Liqing LI, *University of Illinois at Urbana-Champaign*; **Amy W. Ando**, *University of Illinois at Urbana-Champaign*; **Barrett E. Kirwan**, *University of Illinois at Urbana-Champaign*

Are We Sure the Conservation Reserve Program Does Not Negatively Affect Rural Economies? Deriving a Statistical Verdict from a Null Finding

Jason P. Brown, *Federal Reserve Bank of Kansas City*; **Timothy R. Wojan**, *USDA-Economic Research Service*; **Dayton M. Lambert**, *The University of Tennessee, Knoxville*

1066 Economic Impacts in Rural Areas

Wrigleyville, 2nd floor

Selected Presentation

The papers in this session assess the economic impacts of economic development policies and programs in rural areas. Topics include the impacts of Minor League Baseball teams, rural development policies and programs in South Korea and the European Union, and the effects of reduced pension payments in rural areas.

The Effect of the Rural Development Project on Non-farm Income in South Korea

Seong Woo Lee, *Seoul National University*

Success or Waste of Taxpayer Money? Impact Assessment of EU Rural Development Programs in Hungary

Zoltan L. Bakucs, *Hungarian Academy of Sciences*; **Imre Ferto**, *Hungarian Academy of Sciences*

Potential Rural Impacts of Pension Reductions

Steven R. Miller, *Michigan State University*; **Steven C. Deller**, *University of Wisconsin–Madison*; **Judith I. Stallmann**, *University of Missouri*

1067 Marketing Policy Implications of Food: Consumer Behavior and Labeling Policy from Different Perspectives *Addison, 4th floor*

Track Session/Lightning Session – FAMPS and FSN Sections

This lightning session presents research that assesses the pros and cons of labeling the production process from consumer, producer, and marketing policy perspective. It provides an overview of the current scientific evidence related to consumers' response to technological process labels, utilizes retail scanner data to investigate demand trends for animal welfare related attributes in several food categories, evaluates consumer response to multi-tiered labels related to the level of ecosystem services provided in food production and consumers' use of quick response (QR) codes and smart phone technology to retrieve information, examines likely implications of the recently introduced National Bioengineered Food Disclosure Standard, which will mandate the labeling of genetically engineered food by using an explicit symbol or a QR code, analyzes consumer response to GM labeling from different perspectives and discusses the case of Vermont as it relates to GM labeling.

Organizers: Marco Costanigro, Colorado State University; Carola Grebitus, Arizona State University; Jane M. Kolodinsky, University of Vermont

Moderator: Trenton G. Smith, University of Otago

Labeling Food Processes: The Good, the Bad, and the Ugly

Marco Costanigro, Colorado State University; **Kent D. Messer**, University of Delaware; **Harry M. Kaiser**, Cornell University

Consumer Demand for Animal Welfare Attributes

Jayson L. Lusk, Purdue University

Consumer Response to Multi-tiered Eco-labels and New Labeling Technology

Kent D. Messer, University of Delaware; **Tongzhe Li**, University of Delaware

Consumer Response to Labels that Display Information about Content of Bioengineered Food

Brandon R. McFadden, University of Florida; **Jayson L. Lusk**, Purdue University

Consumer Response to GMO Information

Yu Yvette Zhang, Texas A&M University; **Marco A. Palma**, Texas A&M University; **Luis A. Ribera**, Texas A&M University

Consumer Preferences for Foods Labeled as GM-free AND Pesticide-free

Carola Grebitus, Arizona State University; **Renee Shaw Hughner**, Arizona State University

How do Perceptions of Individual GM Technologies Influence Consumer's Support or Opposition for the Use of GM Technology in Food Production: Do Lancaster's Bundles Hold True?

Florence Becot, University of Vermont; **Jane M. Kolodinsky**, University of Vermont

Vermont's GMO Labeling Law in Practice: What did it Mean for Consumer Behavior?

Jane M. Kolodinsky, University of Vermont

1068 The Cult of Statistical Significance—Oomph vs Precision in Agricultural & Applied Economics

Kane, 3rd floor

Track Session – Australasia Section

In their provocative 2008 book, “The Cult of Statistical Significance: How the Standard Error Costs Us Jobs, Justice, and Lives,” Stephen Ziliak and Deirdre McCloskey claim that the reliance on Fisherian significance has gone too far and turned into a ritual and an obstacle to scientific progress. If not Fisherian significance, what should be the Holy Grail of statistics? Ziliak and McCloskey answer: “Oomph.” We should identify quantities that matter and measure them, not merely determine whether they can be distinguished from the null (meaning no effect) at some predetermined likelihood level. In this session, Professor Ziliak (<http://blogs.rosevelt.edu/sziliak/>) will present the main thesis of this book, illustrated with contemporary examples from agricultural & applied economics. After three discussants from different subfields within agricultural and applied economics have responded to Professor Ziliak, the floor will be opened to general discussion.

Organizer: Julian M. Alston, University of California, Davis

Moderator: Julian M. Alston, University of California, Davis

The Cult of Statistical Significance in Agricultural & Applied Economics

Stephen Ziliak, *Roosevelt University*

Use the Standard Error to Compute Confidence Intervals

Aaron D. Smith, *University of California, Davis*

The ‘Gold Standard’ and the Fetishization of Unbiasedness in Development Economics

Michael R. Carter, *University of California, Davis*

Quantities that Matter, Don’t Matter, or Might Matter in Fisheries Economics

Martin D. Smith, *Duke University*

1069 Reassessment of the Effectiveness of the Renewable Fuel Standard

Wisconsin, 6th floor

Track Session – ENV Section

The Energy Independence and Security Act of 2007 (EISA) established annual biofuel targets for the United States. Since the implementation of the act, a significant amount of research has been conducted to assess its effectiveness as well as the economic and environmental implications. The purpose of this session is to assess the recent changes and developments that biofuels and bioenergy have undergone and provide an outlook into the future. In particular, papers in this session assess the impact of the rapid increase in the supply of shale oil and the effect of low energy prices on renewable energy. In addition, challenges imposed by the blend wall as well as new evidence of land-use change are presented.

Organizer: Jerome R. Dumortier, Indiana University – Purdue University Indianapolis

Demand for Ethanol and Compliance with the RFS

Sebastien Pouliot, *Iowa State University*

What Have We Learned about the Effectiveness of the RFS as Energy and Climate Policy?

Wallace E. Tyner, *Purdue University*

Implications of U.S. Biofuels Policy for Sustainable Transportation Energy in Maine and the Northeast

Jonathan D. Rubin, *University of Maine*

When is a Push a Push? Reviewing Recent EPA Rulemakings on the Conventional Ethanol Mandate

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

1070 Strategies for Writing Productivity and Publishing Success

Clark, 4th floor

Track Session – COSBAE and CWAE Sections

Have you ever wondered how many AAEA members publish frequently in top journals? According to our 2016 survey of CWAE track session participants, 65% reported working more than 40 hours per week; however, 59% averaged less than four hours per week on academic writing, and one-third admitted to writing for less than 60 minutes. Based on these findings, this session will focus on providing strategies for improving writing productivity and constructing a productive publishing pipeline. Four panelists will share tips for, 1) scheduling writing time amidst numerous professional and personal responsibilities, 2) writing effectively and efficiently, 3) working with students and scholars to write more, and 4) resiliently navigating the publishing process including selecting journals, responding to reviewers, and resubmitting manuscripts. Polling software will be used to gather information from the audience and to facilitate relevant dialogue.

Organizer: Leah H. Palm-Forster, University of Delaware

Moderator: Leah H. Palm-Forster, University of Delaware

Panelists: Jennifer Brown, Oregon State University; Catherine L. Kling, Iowa State University; Andrew Muhammad, USDA-Economic Research Service; Scott M. Swinton, Michigan State University

1071 Using Climate Shocks to Estimate Early Human Capital Formation in Developing Countries

Great America I, 6th floor

Track Session – International and Econometrics Sections

Human capital in the form of health, cognitive skills and non-cognitive skills is an essential input to later-life welfare in poor countries – however endogeneity concerns hinder estimation of human capital formation. These papers use household datasets and exogenous climate shocks to examine unorthodox dimensions of human capital formation. Tafere examines the intergenerational effects of famine in Ethiopia on health and schooling. Villa & Bevis examine mother-to-child transmission of health, cognition and locus of control, using cyclones, rainfall shocks and economic shocks to instrument for maternal capital. In a multi-country study, McLaren & Wilde examine the impact of temperature shocks around conception on birth gender ratios across the globe, and find large effects for sub-Saharan Africa. Naschold & Rao illustrate that family member BMI Z-scores can be used to examine the effect of climate shocks on intra-household health outcomes in Tanzania.

Organizer: Leah EM Bevis, The Ohio State University

Intergenerational Effects of Early Childhood Shocks on Human Capital: Evidence from Ethiopia

Kibrom Tafere, Cornell University

Using BMI Z-scores to Measure Intra-Household Disparity: Evidence from Weather Shocks in Tanzania

Felix Naschold, University of Wyoming; **Tanvi Rao**, Cornell University

Intergenerational Transmission of Health, Cognition and Non-Cognitive Skills in Cebu, Philippines

Kira M. Villa, University of New Mexico; **Leah EM Bevis**, The Ohio State University

1072 Extension's Response to Farm Financial Stress

Illinois, 6th floor

Track Session – EXT Section

Farm financial stress in both crop and livestock sectors is increasing due to significant declines in commodity prices and falling land prices. Stress for individuals is compounded when significant long-term commitments were made with expectations of continued high profits or timing was poor. This session will provide perspectives from four states on Extension educational efforts and their success plus identify links to resources. What should be done going forward in a sustained downturn? Where do we anticipate risk of greatest financial stress? The audience will be engaged in discussing these important issues.

Organizer: Damona Doye, Oklahoma State University

Farm Management Strategies for Improved Decision-making: State and Southern Region Efforts

Jordan Shockley, *University of Kentucky*

Strategies for Navigating Worsening Conditions in the Farm and Ranch Economy: Overview of Kansas Farm Management Workshops

Mykel R. Taylor, *Kansas State University*; **Allen M. Featherstone**, *Kansas State University*; **Glenn A. Barnaby Jr.**, *Kansas State University*; **Robin Reid**, *Kansas State University*; **Dustin L. Pendell**, *Kansas State University*; **Gregory A. Ibendahl**, *Kansas State University*; **Monte L. Vandever**, *USDA-Economic Research Service*; **Gregg Hadley**, *University of Wisconsin–River Falls*; **Kevin Herbel**, *Kansas State University*

How to Navigate the Waters of New Price Plateaus: Overview of Iowa State's Targeted Extension Efforts

Wendong Zhang, *Iowa State University*; **Chad E. Hart**, *Iowa State University*; **Lee Schulz**, *Iowa State University*; **Alejandro Plastina**, *Iowa State University*; **William M. Edwards**, *Iowa State University*; **Keri L. Jacobs**, *Iowa State University*; **Kristine Tidgren**, *Iowa State University*

Potential Impacts of Reduced Farm Spending on Rural Minnesota Communities

William F. Lazarus, *University of Minnesota*

1073 The Colombian Peace Process and Economic Development

Minnesota, 6th floor

Track Session – LAS and CRENET Sections

This session addresses a variety of economic issues that are relevant for promoting Colombian economic growth in the context of the ongoing negotiations to end the armed conflict. The first paper provides a brief description of the peace process. The second paper offers a model of household productivity to measure the benefits accruing to improved infrastructure and better security conditions. The third paper examines individual expectations of the peace agreement at the personal, firm and economic sector levels. The fourth paper develops a field experiment with a coffee cooperative to examine the impact of members' trust and attitudes toward time and risk on various measures of performance. The fifth paper employs a regional economic development perspective to evaluate which are the productive vocations of municipalities in the Pacific region, which has been particularly affected by the armed conflict.

Organizer: Miguel I. Gomez, Cornell University

Moderator: Shadi S. Atallah, University of New Hampshire

The Colombian Peace Process

Pablo Abitbol, *Universidad Tecnológica de Bolívar*

Local Infrastructure, Conflict and Household Productivity in Colombia 2000 - 2015

Mauricio J. Rodriguez Gomez, *University of Georgia*

Peace and Economic Activity: Evidence from Peace Process Perceptions in Colombia

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

Group Membership and Individual Behavior: A Field Experiment on Trust, Time and Risk amongst Coffee Farmers in Colombia

Miguel I. Gomez, *Cornell University*; **Arnab K. Basu**, *College of William & Mary*; **J. Nicolas Hernandez-Aguilera**, *Cornell University*; **Romane Viennet**, *Cornell University*

Socioeconomic Characteristics of the Pacific Region of Colombia

Lilian A. Carrillo-Rodriguez, *Washington State University*; **Elizabeth Aponte**, *Universidad Autonoma de Occidente*; **Paola Garizado**, *Universidad Autonoma de Occidente*; **Elizabeth Aponte**, *Universidad Autonoma de Occidente*

1074 25 Years of Transition in Europe and Central Asia: A Diversity of Experience and Prospects

Grace, 4th floor

Track Session – International and Senior Sections

This year marks 25 years since the Republics of the USSR declared independence and started on the path from central-planned to market economy, and many of the Central and East European countries had done the same after the fall of the Berlin Wall two years earlier. The 28 countries in this region are progressing at different rates and along different paths toward some form of market economy. Though they all came from some form of centrally planned economy, their starting points in this transition were far from identical. This session explores these differences and seeks to identify lessons from successes and failures during these 25 years. The three papers look across countries at transitions in agricultural policy, trade relations and food security to compare and contrast the paths taken, the progress to date and challenges for the future.

Organizer: William H. Meyers, University of Missouri

Discussant: Lars Brink, Expert Advisor

Transition in Agricultural Policies: Implications for Supply Chain Performances

Miranda Svanidze, Leibniz Institute of Agricultural Development in Transition Economies; Ivan M. Djuric, Leibniz Institute of Agricultural Development in Transition Economies; Linde J. Goetz, Leibniz Institute for Agricultural Development in Transition Economies

Transition in Agricultural Trade: East, West, Home is Best?

Ekaterina Krivonos, Food and Agriculture Organization of the United Nations; Kateryna G. Schroeder, Food and Agriculture Organization of the United Nations

Transition in Food Security: Successes, Failures, and New Challenges

Kateryna G. Schroeder, Food and Agricultural Policy Research Institute

1075 Revisited Debt Renegotiation for Farmers: View from Farm Mediators and Survivors of the 80's

Armitage, 4th floor

Track Session – AFM and ARA Sections

The current economic climate resembles that of the 1980's. This session will tap the expertise of those who worked with farmers during that difficult time as farm advisors, farm business management consultants, farm mediators, bankers, attorneys and others. This panel discussion will focus on the strategies to renegotiate debt and develop new financial plans for weather the difficult years ahead. Focus will be on financial instruments such as the Shared Appreciation mortgage, land sales and leasing of inputs including new land rental options. Panelists will include land grant economists, lawyers, accountants, mediators, and others.

Organizer: Ward E. Nefstead, University of Minnesota

Moderator: Ward E. Nefstead, University of Minnesota

Panelists: Michael Boehlje, Purdue University; Kevin Klair, University of Minnesota; Ward E. Nefstead, University of Minnesota; Thomas F. Stinson, University of Minnesota

1076 Teaching Tips from AAEA Winners

Dupage, 3rd floor

Track Session

This session offers the opportunity for AAEA Teaching Award recipients to share teaching tips and have a dialogue with AAEA members. The emphasis is on winning strategies that have worked for them; the approaches, techniques, and teaching styles they consider to be instrumental to their points, the emphasis will be on pedagogical approaches to improving education in our profession. The goal is to share ideas on what successful teachers are doing in and out of the classroom to facilitate learning. Contributions from audience members, in the form of shared experiences, questions, and observations, are both welcomed and considered a key part of this organized symposium.

Organizer: Maria Bampasidou, Louisiana State University

Moderator: Maria Bampasidou, Louisiana State University

Panelists: Andrew P. Barkley, Kansas State University; Jason S. Bergtold, Kansas State University; Michael Gunderson, Purdue University; Zuo Na, University of Kentucky

1077 Management in Tomorrow's Digital Agriculture

Indiana, 6th floor

Track Session – AEM and AFM Sections

Digital is totally disrupting the agricultural sector from production all the way through to consumption. The reality is that consumers will now be able to know everything about where and how their product was produced, processed and distributed. Similarly farmers will be able to know exactly who the final consumer of their product is. Production will also be affected profoundly. Digital Agriculture leverages the smart use of data and is enabled by high-performance computing power, hyper-connectivity through mobile technologies and the Cloud, and advanced analytics. Farmers are adopting advanced technologies, but their complexity makes it difficult to discern benefits, especially for non-traditional sectors like specialty crops. It is also becoming increasingly difficult for farmers to manage, interpret, or make use of their data due the volume and complexity of the data, as well as privacy concerns. Farm data and access needed to make new discoveries and management guidelines are increasingly controlled by corporate entities with less opportunity for public-sector research or extension for communal benefits. There is also a compelling need to support Digital Agriculture adoption through investments in infrastructure, knowledge, e-communication, education, and business development. These new dynamics will total change the power balance within and across the value chains. This new connectedness, openness, and transparency will create numerous new market opportunities but also policy challenges for the agricultural sector. The policy challenge is in creating a level playing field that supports and accelerates this change but does not retard it. This panel will draw upon the collective experiences of the panel focusing primarily on U.S. & Australia crop and livestock markets to explore these challenges.

Organizer: Joshua D. Woodard, Cornell University

Panelists: Hamish R. Gow, Massey University; Paul Miller, Chief Science Officer, AGRIBLE; Bruce J. Sherrick, University of Illinois at Urbana-Champaign; Steven T. Sonka, University of Illinois at Urbana-Champaign; Joshua D. Woodard, Cornell University

2001 Cutting Edge Behavioral and Empirical Issues in Food Choice Analysis

Chicago Ballroom A, 5th floor

Invited Paper

This session is designed to highlight developments in the state of the art use of choice experiments (CE) with an overarching focus on methodological and empirical aspects related to food CEs. Studying how to improve CE survey designs and the behavioral relevance of probabilistic discrete choice models is of paramount importance given the increasing use of such methodology to examine demand for goods.

Organizers: Vincenzina Caputo, Michigan State University; David L. Ortega, Michigan State University

Moderator: Rodolfo M. Nayga, University of Arkansas

Discussant: Riccardo Scarpa, Queens University-Belfast

Measurement Error Matters: A Method for Determining Participant Inattention in Discrete Choice Experiments

Trey Malone, Oklahoma State University

Are Ex-Ante Hypothetical Bias Calibration Methods Context Dependent? Evidence from Online Food Shoppers in China

Wen Lin, Michigan State University; **David L. Ortega**, Michigan State University; **Vincenzina Caputo**, Michigan State University

Are Preferences for Food Quality Attributes Really Normally Distributed? An Analysis using Flexible Mixing Distributions

Vincenzina Caputo, Michigan State University; **Riccardo Scarpa**, Queens University - Belfast; **Rodolfo M. Nayga**, University of Arkansas; **David L. Ortega**, Michigan State University

2002 Crop Insurance and Risk Management for Specialty Crops

McHenry, 3rd floor

Organized Symposium

The proposed session is organized on crop insurance and risk management for specialty crops with the national perspective. The symposium will feature presentations from three research teams contributing to a coordinated effort to learn about how crop insurance availability and pricing (subsidy) has affected crop mix. This session helps inform the debate and bring about new insights on the role of federal crop insurance as a risk management tool for specialty crop producers.

Organizer: Hyunok Lee, University of California, Davis

Federal crop insurance and acreage and yield response of specialty crops

Jian Shi, Oregon State University; **Junjie Wu**, Oregon State University; **Beau Olen**, Oregon State University

Using ARMS data to explore how participation in federal crop insurance affects the supply response of specialty crops

Shuay-Tsyr Ho, Cornell University; **Jennifer E. Ifft**, Cornell University; **Bradley J. Rickard**, Cornell University

Linkage between the yield distributions and incentives of specialty crop farms to participate in crop insurance: evidence from farm-level Census of Agriculture data

Daniel A. Sumner, University of California, Davis; **Hyunok Lee**, University of California, Davis

2003 Have the Land Grants been Teaching Futures and Options Wrong for 50 Years?

Indiana, 6th floor

Organized Symposium

Hard Red Winter (HRW) wheat cash prices are over one dollar less than futures at delivery elevators. Producers have no right to deliver against short positions and that should affect their marketing strategies. The futures are not wheat, but wheat warehouse receipts, which are not freely issued to farmers. Those warehouse receipts currently have more value than wheat and prevents arbitrage, and therefore convergence from occurring.

Organizers: Glenn A. Barnaby, Jr., Kansas State University; Daniel M. O'Brien, PhD Kansas State University

Moderator: Glenn A. Barnaby, Jr., Kansas State University

Panelist: Victor F. Seamon, CME Group

2004 Agricultural Policies for Reducing Poverty and Improving Nutritional Outcomes

River North, 2nd floor

Organized Symposium – International Association of Agricultural Economists (IAAE)

Internationally Comparable Prices of Healthy and Unhealthy Foods in 176 Countries: Implications for Food and Nutrition Policies
Derek Headey, *International Food Policy Research Institute*

Priority Setting in Agricultural Research for Poverty Reduction, Nutrition Improvement and Resilience
William A. Masters, *Tufts University*; **Carl E. Pray**, *Rutgers University*

Crop Productivity Growth in Developing Countries and Poverty Reduction
David Laborde, *International Food Policy Research Institute*; **William A. Masters**, *Tufts University*

2005 Farm Assets and Access to Credit

Great America I, 6th floor

Selected Presentation – Lightning Session

Papers in this section examine a variety of topics related to farm capital including changes in farmland values, bankruptcies, dynamics of capital structure, financial distress and access to agricultural credit.

Farm Bankruptcies and Land Value Trends: The Effects of Land Value Fluctuations on Financial Stress
Robert Dinterman, *The Ohio State University*; **Ani Katchova**, *The Ohio State University*

How Agricultural Professionals Form Expectations about Farmland Values: Survey Evidence since 1964
Fangge Liu, *Iowa State University*; **Wendong Zhang**, *Iowa State University*

Dynamic Capital Structure and Profit: Determinants and Speed of Adjustment
Aderajew AS Tamirat, *Maastricht University*; **Andres A. Trujillo-Barrera**, *Wageningen University*; **Joost M. E. Pennings**, *Maastricht University/Wageningen University*

Has Off-farm Income and Employment Changed the Capital Structures of U.S. Farm Operator Dairy Farms: 2005, 2010, 2015: A Farm-level Analysis

Kenneth W. Erickson, *USDA-Economic Research Service*; **Allen M. Featherstone**, *Kansas State University*; **Dipak Subedi**, *USDA-Economic Research Service*; **Richard F. Nehring**, *USDA-Economic Research Service*; **James Michael Harris**, *USDA-Economic Research Service*

Predicting Credit Demand with ARMS: A Machine Learning Approach
Jennifer E. Ifft, *Cornell University*; **Ryan Kuhns**, *USDA-Economic Research Service*; **Kevin T. Patrick**, *USDA-Economic Research Service*

The Determinants of Financial Distress in French Farms: Analysts versus Algorithms
Geoffroy Enjolras, *University Grenoble Alpes*; **Philippe Madiès**, *University Grenoble Alpes*

2006 Using Scanner Data to Investigate Food Price Formation and Purchasing Behaviors

Great America II, 6th floor

Selected Presentation – Lightning Session

Household and retail scanner data are important sources of price and quantity variation used to investigate price formation and consumer choices. Use of scanner data from multiple countries in demand and price analysis are discussed in this session.

A Reassessment of Product Aggregation Bias in Demand Analysis: An Application to the U.S. Meat Market
Wenyang Li, *Department of Ag Econ, University of Georgia*; **Chen Zhen**, *University of Georgia*

Innovation and Brand Effects on the Consumers' Demand for Fresh Milk in Spain
Syrine Aouini, *University of Laval*; **Jose M. Gil**, *Research Centre for Agri-Food Economy & Development*

What's in a Name? Using IRI Scanner Data to Evaluate Retail Food Labeling for Shell Eggs
Janet G. Peckham, *Food and Drug Administration*; **Emily Galloway**, *U.S. Food and Drug Administration*

Panel Price Index Construction with Chinese Scanner Data on Non-Alcoholic Beverages
Soye Shin, *University of Georgia*; **Chen Zhen**, *University of Georgia*

2007 Economics of Retail Food Markets

Lakeview, 2nd floor

Selected Presentation

This session examines a range of retail-level issues in agribusiness. Issues include vegan food options, traceability, food deserts, and market structure.

Value-added Traceability: Using a Whole-Chain Traceability System to Transfer Information about Multiple Attributes along a Multi-Stage Beef Supply Chain

Candi Ge, *Oklahoma State University*; **Brian D. Adam**, *Oklahoma State University*

Market Structure Determinants of Performance for Independent Supermarkets

Richard J. Volpe III, *California Polytechnic State University*; **Clare Cho**, *USDA-Economic Research Service*

A Theoretical Approach to Supermarket Chain Investment in Urban Food Deserts

Marie E. Steele, *Michigan State University*; **Dave D. Weatherspoon**, *Michigan State University*

2008 New Applications and Methodologies in Behavioral Economics

Sheffield, 4th floor

Selected Presentation

The papers in this session are not only interesting for their applications, but they also push the frontier of what behavioral economists can do. One paper examines the use of mobile phones for data collection, two papers combine decision-making in real and hypothetical situations, and one paper questions individual rationality in experimental auctions.

Don't Follow the Crowd: Incentives for Directed Spatial Sampling

Nathaniel D. Jensen, *Cornell University*; **Russell Dean Toth**, *The University of Sydney*; **Yexiang Xue**, *Cornell University*; **Rich Bernstein**, *Cornell University*; **Eddy K. Chebelyon**, *International Livestock Research Institute*; **Andrew G. Mude**, *International Livestock Research Institute*; **Christopher B. Barrett**, *Cornell University*; **Carla Gomes**, *Cornell University*

The effect of Childhood Socioeconomic Status and Hunger on Discount Rates and Present Bias

Gianna Short, *University of Minnesota*; **Chengyan Yue**, *University of Minnesota*

Cognitive Ability, Character Skills, and Bidding Behavior in Experimental Auctions

Ji Yong Lee, *Kansas State University*; **Rodolfo M. Nayga**, *University of Arkansas*; **Cary Deck**, *University of Arkansas*; **Andreas Drichoutis**, *Agricultural University of Athens*

Me, the Poor or the Environment: Evaluating the Relative Strength of Social and Environmental Preferences

Michael P. Brady, *Washington State University*; **Hayley H. Chouinard**, *Colorado State University*; **Philip R. Wandschneider**, *Washington State University*

2009 Environmental Hazards and Forest Policy

Illinois, 6th floor

Selected Presentation

This session first discusses research addressing the issues of climate change and environmental hazards, in general. The session will then take a turn and address the effects of forest policies and propose ways to correct for unintended consequences.

Catastrophe Capitalization: Estimating Changes in Perceptions of Extreme Natural Events over Time

Mitchell R. Livy, *California State University, Fullerton*

Environmental Hazards and Mortgage Credit Risk: Evidence from Texas Pipeline Incidents

Minhong Xu, *University of Illinois at Urbana-Champaign*; **Yilan Xu**, *University of Illinois at Urbana-Champaign*

Unintended Land Use Effects of Afforestation in China

Youpei Yan, *University of Maryland*

Understanding Smallholders' Intended Deforestation Behavior in the Brazilian Cerrado Following Environmental Registry

Laura Vang Rasmussen, *University of Copenhagen*; **Subyun Jung**, *University of Michigan*; **Alice Dantas Brites**, *Universidade de São Paulo*; **Cristy Watkins**, *University of Michigan*; **Arun Agrawal**, *University of Michigan*

2010 Measuring Conservation with Experimental Economic Methods

Northwestern, 6th floor

Selected Presentation

The theoretical foundation of experimental economics is now embedding elements from other disciplines such as psychology. These inclusions could be found useful to policy makers to develop strategies to influence decision-making. This is particularly important to promote conservation-oriented practices. Studies included in this session are centered on the application of experimental economics to enhance conservation practices including household energy conservation, land conservation programs, and adoption of drought resistant plant varieties.

Harnessing Policy Complementarities to Conserve Energy: Evidence from a Natural Field Experiment

*John A. List, University of Chicago; Robert D. Metcalfe, University of Chicago; Michael K. Price; **Florian Rundhammer**, Georgia State University*

Motivating Household Energy Conservation with Feedback and Peer Comparison

***Christine L. Crago**, University of Massachusetts Amherst; Elizabeth Hunter, Department of Public Utilities in Boston; John Spraggon, University of Massachusetts Amherst*

Formulating and Testing a New Conservation Auction Mechanism in an Experimental Setting

***Steven Otto**, Cornell University; David R. Just, Cornell University; Gregory L. Poe, Cornell University*

Exploring Higher Order Risk Preferences of Drought Affected Farmers from West Bengal, India

***Kanchan Joshi**, Macquarie University; Thiagu Ranganathan, Institute of Economic Growth, Delhi University Enclave, New Delhi, India; Ram Ranjan, Macquarie University*

2011 Agriculture and Economic Development

Iowa, 6th floor

Selected Presentation

Papers in this session consider issues in agricultural production in Ghana, Puerto Rico, Nepal, and Burkina Faso.

Shady Business: Why do Puerto Rican Coffee Farmers Adopt Conservation Agriculture Practices?

***Laura Villegas**, North Carolina State University*

Fertilizer Subsidy and Agricultural Productivity: Empirical Evidence from Nepal

***Jayash Paudel**, University of Massachusetts Amherst; Christine L. Crago, University of Massachusetts Amherst*

Heterogeneity in Yield Response across Agro-ecologies in Burkina Faso

*Veronique Theriault, Michigan State University; Hamza Haider, Michigan State University; **Melinda Smale**, Michigan State University*

2012 Pest management and regulations

Wisconsin, 6th floor

Selected Presentation

Papers in this session consider pest management; costs of a suite of California regulations, including pesticide regulations; and whether crop insurance can play a role in pesticide resistance management.

The Cost of Regulation on California Farmers

***Lynn L. Hamilton**, California Polytechnic State University; Michael P. McCullough, California Polytechnic State University*

Do Farmers Make Good Neighbors? Evidence from Self-Regulation of Pesticide Applications near Schools in California

***Tor N. Tolhurst**, University of California, Davis; Christopher DeMars, University of California, Davis; Karen Klonsky, University of California, Davis; Rachael E. Goodhue, University of California, Davis; Minghua Zhang, University of California, Davis*

The Feasibility of Area-wide Pest Management Under Heterogeneity and Uncertainty: The Case of Citrus Health Management Areas

***Kelly A. Grogan**, University of Florida; Shourish Chakravarty, University of Florida*

Can federal crop insurance be leveraged to encourage farmer adoption of pesticide resistance management practices?

***Huichun Sun**, University of Minnesota; Terrance M. Hurley, University of Minnesota*

2013 Market Power and Regulation

Lincolnshire I, 6th floor

Selected Presentation

This session investigates the presence of buyer and/or seller market power and its interactions with government regulation. The session includes an econometric study of market power in the Brazilian milk market, a theoretical model of technology adoption under environmental regulation in a duopoly setting, a model of ethanol feedstock procurement that accommodates oligopsony power and spatial price discrimination, and a case study of merger policy in the U.S. beer industry.

Stochastic Frontier Estimation of Market Power: An Application to the Brazilian Milk Market

Paulo R. Scalco, Federal University of Goias; Rigoberto A. Lopez, University of Connecticut; Xi He, University of Connecticut

Regulation, Free-Riding Incentives, and Investment in R&D with Spillovers

Ana Espinola-Arredondo, Washington State University; John Strandholm, Washington State University; Felix Munoz-Garcia, Washington State University

Market Power in Feedstock Procurement and Economic Effects of Corn Ethanol

Jinbo Jung, Purdue University; Juan Pablo Sesmero, Purdue University; Joseph V. Balagtas, Purdue University

Divestiture of U.S. Businesses May Fail as a Merger Remedy: The Case of the U.S. Beer Industry

Xiangrui Wang, Washington State University SES; Ron C. Mittelhammer, Washington State University; Thomas L. Marsh, Washington State University; Jill J. McCluskey, Washington State University

2014 Climate Change and Agriculture: Effects and Adaptation

Lincolnshire II, 6th floor

Selected Presentation

This session discusses the effects of climate change on agriculture and how to adapt. The first paper evaluates the vulnerability of rural households to climate change. The second paper examines the effect of climate change adaptation on farm household welfare. The third paper looks at how households cope with climatic shocks through asset sales. The fourth paper discusses the potential impact of climate change on human capital accumulation.

Food Consumption and Future Climate Change in Rural Ethiopia

Jeremy D. Foltz, University of Wisconsin–Madison; Zachary Barnett-Howell, University of Wisconsin–Madison

Adaptation to Climate Change and its influence on Household Welfare in Ghana

Gazali Issabaku, University of Kiel; Awudu Abdulai, University of Kiel

Economic Shocks & Coping Strategies: Asset Dynamics in Rural Burkina Faso

Hamza Haider, Michigan State University

Human Capital Costs of Climate Change: Evidence from Test Scores in India

Teevrat Garg, University of California, San Diego; Maulik Jagnani, Cornell University; Vis P. Taraz, Smith College

2015 Causes and Effects of Migration

Wrigleyville, 2nd floor

Selected Presentation

This session focuses on the causes and effects of migration. The first paper investigates whether improved rural infrastructures and market access affect migration. The second paper explores the potential mismatches between economic and psychological empowerment, in the context of partner migration. The third paper looks at how migration affects intra-household bargaining power and in turn, children's welfare. The fourth paper examines how rainfall shocks affect rural-urban migration.

How much have Agricultural Projects Contributed to Economic Mobility and Food Security in China?

Alessandra Garbero, International Fund for Agricultural Development; Tisorn Songsermsawas, International Fund for Agricultural Development

Measuring Female Empowerment in the Context of Unwanted Responsibilities: The Case of Guatemalan Women with Migrant Partners

Maira E. Reimao, University of California, Davis

Male Migration, Intra-household Bargaining, and Children-Related Outcomes in Rural Nepal

Savannah Noray, Montana State University; Sarah A. Janzen, Montana State University

2016 Agricultural Trade and Productivity

Michigan, 6th floor

Selected Presentation

This session discusses the impacts of productivity, resource allocation, and liberalization on agricultural trade.

Measuring the Impact of Agricultural Production Shocks on International Trade Flows

Shon Ferguson, *Research Institute of Industrial Economics*; **Johan Gars**, *Royal Swedish Academy of Sciences*

Trade Liberalization, Productivity, and Resource Allocation in Manufacturing Firms in Ethiopia

Dawit K. Zenebe, *University of Wisconsin–Madison*

Manufacturing Productivity Spillover in Agricultural Exports in the Post-liberalization Context

Anupa Sharma, *North Dakota State University*

2017 Natural Resource Economics - Technology Adoption and Groundwater

MI State, 6th floor

Selected Presentation

Papers on Groundwater and Technology Adoption: peer effects, pressure irrigation, sustainable water withdrawals and aquifer depletion.

The Role of Peer Effects in Resource Extraction Technologies: The Case of Groundwater Irrigation in Kansas

Gabriel Sampson, *Kansas State University*; **Edward Perry**, *Iowa State University*; **Nathan P. Hendricks**, *Kansas State University*

Farmers' Adoption of Pressure Irrigation Systems and Scientific Scheduling Practices: An Application of Multilevel Models

Yubing Fan, *University of Missouri*; **Laura M. McCann**, *University of Missouri*

Achieving Sustainable Irrigation Water Withdrawals: Global Impacts on Food Security and Land Use

Jing Liu, *Purdue University*; **Thomas W. Hertel**, *Purdue University*; **Richard Lammers**, *University of New Hampshire*; **Alexander Prusevich**, *University of New Hampshire*; **Uris Lantz C. Baldos**, *Purdue University*; **Danielle S. Grogan**, *University of New Hampshire*; **Steve Frolking**, *University of New Hampshire*

Effects of Aquifer Depletion on the Buffer Value of an Aquifer

Mani Rouhi Rad, *University of Illinois at Urbana-Champaign*; **Nicholas Brozovic**, *University of Illinois at Urbana-Champaign*

2018 Applications of State-of-the art Econometric Methods

Ohio State, 6th floor

Selected Presentation

Papers in this session deal with advanced econometric methods in agricultural economics. Topics in this session include the applications of neural networks in semiparametric panel data models, evaluations of the performance of count-data models, aggregated fractional regression estimation, and model selection and assessment with fully observable dependent variables.

Semiparametric Panel Data Using Neural Networks

Andrew Crane-Droesch, *USDA-Economic Research Service*

Comparison of the Performance of Count Data Models under Different Zero-Inflation Scenarios Using Simulation Studies

Yuan Jiang, *University of Florida*; **Lisa A. House**, *University of Florida*

Aggregated Fractional Regression Estimation: Some Monte Carlo Evidence

Jingyu Song, *Purdue University*; **Michael Delgado**, *Purdue University*; **Paul Preckel**, *Purdue University*

Estimating Latent Variable Models when the Dependent Variable is Observable: The Heterogeneous Case

Luis M. Pena-Levano, *Purdue University*; **James K. Binkley**, *Purdue University*

2019 Producer Responses & Externalities

Printers Row, 2nd floor

Selected Presentation

All of the papers in this session relate to producer responses to externalities and/or regulation of externalities. One work examines farmers' conservation activities that may provide multiple benefits (e.g. decreased soil erosion and improved water quality) and considers additionality in the presence of conservation cost sharing. Another work analyzes spillover effects on pollution emissions of high priority violations using the Toxics Release Inventory (TRI) Program data. The remaining two papers consider how historical toxic waste releases affect production decisions in agricultural and non-agricultural production sectors.

Additionality of Conservation Cost Sharing

Erik Lichtenberg, *University of Maryland*

High Priority Violations and Intra-firm Pollution Substitution

Binish Rijal, *Binghamton University*; **Neha Khanna**, *Binghamton University*

In the Shadow of the Mushroom Cloud: Nuclear Testing, Radioactive Fallout and Damage to U.S. Agriculture

Keith A. Meyers, *University of Arizona*

Do Community Characteristics Influence the Relocation of Toxic Facilities? Evidence from the Toxic Release Inventory

Xiao Wang, *University of Illinois at Urbana-Champaign*; **George Deltas**, *University of Illinois at Urbana-Champaign*; **Madhu Khanna**, *University of Illinois at Urbana-Champaign*; **Xiang Bi**, *University of Florida*

2020 Agriculture, Resources, and Rural Development

Purdue, 6th floor

Selected Presentation

Papers in this session touch on agriculture, natural resources and rural development. Papers will discuss the effects of cannabis agriculture on rural land values, wildfire on national park visitation, agritourism and an agroforestry program.

"Green Acres?" Cannabis Agriculture and Rural Land Values in Northern California

Benjamin Schwab, *Kansas State University*; **Van A. Butsic**, *University of Wisconsin–Madison*

Effects of Wildfire on National Park Visitation and Regional Economic Impacts

Man-Keun Kim, *Utah State University*; **Paul M. Jakus**, *Utah State University*

Proximities to Attractions and Visitor Reviews in Determining Traveler Behavior: A Choice Experiment on Agritourism

Anders T. Van Sandt, *Colorado State University*; **Marco Costanigro**, *Colorado State University*; **Dawn D. Thilmany McFadden**, *Colorado State University*

Where Trees Grow, Expenditures Grow: An Evaluation of the Household Welfare & Food Security Impacts of an Integrated Agroforestry Extension Program in Western Kenya

Seth Morgan, *University of Illinois at Urbana-Champaign*; **Kathy Baylis**, *University of Illinois at Urbana-Champaign*

2021 Measuring Economic Linkage

Addison, 4th floor

Track Session – CRENET and Senior Sections

Rural economic development is embedded in larger regional economies with linkages to urban cores. A deeper understanding of these linkages could help policymakers address interrelated problems. IMPLAN can be used to examine “many cores, many peripheries” multiregional models. However, these models do not indicate how policies could influence income distribution, are hard to use for certain policy experiments (difficult to extract the underlying transaction tables), and are limited in the number of regions considered simultaneously. Three ‘proof-of-concept’ applications are presented. Hughes and Willis modify an IMPLAN-based SAM in evaluating rural-urban influences on income distribution in the Nashville Tennessee BEA trading area. Lambert and colleagues combines the Hewing et al. and Environmental Input-Output/Life Cycle approaches in examining Tennessee agriculture’s water footprint. Schmit et al. examine differentiated urban-adjacent and rural (periphery) region impacts resulting from farm participation in large urban farmers markets.

Organizer: Dayton M. Lambert, The University of Tennessee, Knoxville

Developing a Full Developed IMPLAN-Based Core-Periphery SAM: Issues and Implications

David W. Hughes, *The University of Tennessee, Knoxville*; **David Brian Willis**, *Clemson University*

Life Cycle Analysis of Tennessee’s Agricultural Sector Water Footprint: An Application using Multiregional IO Technology

Dayton M. Lambert, *The University of Tennessee, Knoxville*; **Di Sheng**, *AREC, The University of Tennessee, Knoxville*; **Burton C. English**, *The University of Tennessee, Knoxville*; **Jamey Menard**, *The University of Tennessee, Knoxville*

Examining the urban-adjacent and rural impacts of farm participation in urban markets: the case of GrowNYC

Todd M. Schmit, *Cornell University*; **Becca B. R. Jablonski**, *Colorado State University*; **David Kay**, *Cornell University*; **Libby Christensen**, *Colorado State University*; **Jennifer Minner**, *Cornell University*

2022 Current Financial Conditions of Midwestern Farms

Armitage, 4th floor

Track Session – EXT Section

The session is expected to raise awareness about the current financial situation of Midwestern farms, and stimulate the collaboration across Land Grant Universities to address it in a timely fashion. Presenters will discuss the profitability, solvency, and liquidity of Midwestern farms using farm level data collected through local Farm Business Management Associations: Kansas, Illinois, Iowa, and Minnesota. A Q&A session will follow, and findings will be summarized by the moderator.

Organizer: Alejandro Plastina, Iowa State University

Current Farms Financial Conditions in Minnesota

Robert H. Craven, *University of Minnesota*; **Kevin Klair**, *University of Minnesota*

Current Farm Financial Conditions in Kansas

Allen M. Featherstone, *Kansas State University*

Current Farm Financial Conditions in Illinois

Gary D. Schnitkey, *University of Illinois at Urbana-Champaign*; **Dwight Raab**, *University of Illinois at Urbana-Champaign*; **Brad Zwilling**, *University of Illinois at Urbana-Champaign*; **Brandy Kraph**, *University of Illinois at Urbana-Champaign*

Current Farm Financial Conditions in Iowa

Alejandro Plastina, *Iowa State University*

2023 Measuring SNAP Policy Impacts and Food Security Module Accuracy Using FoodAPS and CPS Data

Cook, 3rd floor

Track Session – Econometrics Section

Measurements of food access and nutrition assistance programs can impose unique challenges. A series of papers using National Household Food Acquisition and Purchase Survey (FoodAPS) data and the Current Population Survey's food security module introduce unique empirical methods to estimate impacts of proposed federal nutrition policies on participant spending choices and food access as well as examining the accuracy of the CPS food security module. Recently proposed SNAP policies that ban sugar-sweetened beverages are intended to decrease the amount of SSBs participant households consume, however recent literature suggests these policies may have no impact on SSB consumption. Likewise, the Thrifty Food Plan determines benefit levels of participant households, but these calculations may ignore other important factors that influence need. Finally, the Current Population Survey's food security module has been the standard measure of food security; however, under-reporting, especially with respect to food security related to children, may affect overall estimates of food insecurity. These papers will provide unique insight on empirical strategies to assess important topics related to food insecurity and SNAP participant behavior.

Organizer: Charlotte Tuttle, USDA-Economic Research Service

Moderator: Charlotte Tuttle, USDA-Economic Research Service

Discussant: Jeffrey H. Dorfman, University of Georgia

Are We Under Estimating Food Insecurity?

Christian A. Gregory, USDA-Economic Research Service

Food Acquisitions, the Thrifty Food Plan, and Benefit Adequacy for SNAP Participants

Wen You, Virginia Tech; **George C. Davis**, Virginia Tech; **Yanliang Yang**, Virginia Tech

The Potential Impact of Sugar-Sweetened Beverage Restrictions under the Supplemental Nutrition Assistance Program on Participants' Beverage Choices

Chen Zhen, University of Georgia; **Biing-Hwan Lin**, USDA-Economic Research Service; **Shawn A. Karns**, Research Triangle Inst; **Lisa Mancino**, USDA-Economic Research Service; **Shelly Ver Ploeg**, USDA-Economic Research Service

2024 What has Been Revealed through U.S. Farmers' Insurance Choices regarding SCO and STAX?

Minnesota, 6th floor

Track Session – ARA Section

The 2014 Farm Bill introduced area-based crop insurance products (SCO: Supplemental Coverage Option and STAX: Stacked Income Protection Plan) primarily to supplement underlying individual crop insurance coverage. Despite the fact that SCO and STAX are being highly subsidized, the uptake for these products have been limited at best. This session focuses on the underlying reasons and possible explanations for this phenomenon. To that end, the actual insurance experience will be combined with the state-of-the-art simulation methods. Some novel approaches will be offered and explored. Three research papers will be presented by speakers from government, academia, and industry with potentially differing perspectives, which should contribute to the discussion in the session. Keith Coble, Mississippi State University, will serve as a discussant and draw research and policy implications. Finally, Mickey Paggi, National Crop Insurance Services (NCIS), will serve as the moderator.

Organizer: Harun Bulut, National Crop Insurance Services

Moderator: Mechel S. Paggi, National Crop Insurance Services

Discussant: Keith H. Coble, Mississippi State University

Investigating the Stacked Income Protection Plan's Low Uptake and Alternatives for Upland Cotton Producers

Ashley E. Hungerford, USDA-Economic Research Service

Analysis of the SCO Program: Impact on Insurance Plan and Coverage Level Choices

Nick Paulson, University of Illinois at Urbana-Champaign; **Gary D. Schmitkey**, University of Illinois at Urbana-Champaign

Are U.S. Farmers' Insurance Choices Optimal, Constrained-Optimal, or Sub-Optimal?

Harun Bulut, National Crop Insurance Services

2025 Applying the Structure-Conduct-Performance Model to Your Teaching

Clark, 4th floor

Track Session – TLC Section

There are numerous Agribusiness and Agricultural Economics programs offered at universities across the globe. Many teaching in these programs are not trained as educators but as economists, businessmen and women, and/or researchers. While our training as economists has standard elements, our curriculum design and teaching approaches often copy those we learned from. This interactive session will use a strategic management approach common to economists to frame the topic of Agribusiness course development and curriculum design. Three panelists will use the common language of the structure-conduct-performance (SCP) model to help participants analyze and design (or redesign) a current Agribusiness course.

Organizer: Michelle L. Santiago, Murray State University

Panelists: Ross Pruitt, University of Tennessee at Martin; Michelle L. Santiago, Murray State University; Michael E. Sykuta, University of Missouri

2026 Does Size Matter? Revisiting the Inverse Farm Size-productivity Hypothesis in Sub-Saharan Africa

Streeterville, 2nd floor

Track Session – Africa and International Sections

In this session we will present and critique fresh empirical work on the inverse farm size-productivity (IR) hypothesis in sub-Saharan Africa (SSA). This new crop of studies is characterized by several features distinguishing it from previous work. First, we investigate a broader set of farm productivity measures. Second, we examine the relationship across a wider range of farm sizes in Africa than has typically been done in the past. Third, we examine alternative reasons for potential differences in productivity within and between farm size categories. We anticipate that this session will generate robust discussion on agricultural growth potential in the region, particularly in the context of a changing farm structure in parts of Africa. By addressing conceptual blind spots in previous work, we aim to contribute to fresh thinking about the generation and interpretation of empirical evidence on this subject.

Organizers: Jordan Chamberlin, International Maize and Wheat Improvement Center; Thomas S. Jayne, Michigan State University

Moderator: Derek Byerlee, Georgetown University

Discussant: Simeon K. Ehui, World Bank

Is Small Still Beautiful? The Farm Size-productivity Relationship Revisited in Kenya

Milu Muyanga, Michigan State University; Thomas S. Jayne, Michigan State University

Does the Inverse Farm Size-productivity Hypothesis Hold in Africa When Larger Farms are Included? New Evidence from Ghana

Godwin Debrah, Michigan State University; Thomas S. Jayne, Michigan State University

What Shape is the Future? Farm Structure, Farm Size, and Productivity in Mozambique

Jordan Chamberlin, International Maize and Wheat Improvement Center; Emilio Tostão, University Eduardo Mondlane in Maputo

2027 Education, Health, and Welfare Issues in China

Chicago Ballroom C, 5th floor

Track Session – China Section

Four papers respectively evaluate teacher's professional development, maternal migration on child development, health shocks to labor supply, and poverty trap in China.

Organizer: Yuqing Zheng, University of Kentucky

Unpacking Teacher Professional Development: Evidence from a Randomized Evaluation of China's National Teacher Training Program

Chengfang Liu, Peking University; Prashant Loyalka, Stanford University; Guirong Li, Henan University

Evaluating Health Shocks on the Agricultural Labor Supply of Mid-aged and Older Rural Households in China

Yumeng Wang, Renmin University of China; Weihang Yao, Renmin University; Shuoli Zhao, University of Minnesota; Donald J. Liu, University of Minnesota

Household Asset Poverty Traps in Rural China: Evidence from China's Rural Fixed Point data in 2004-2012

Yuan Hang, Renmin University; Tang Zhong, Renmin University; Wang Xiaorui, Renmin University

The Effect of Maternal Migration on Early Childhood Development in Rural China

Yu Bai, Center for Experimental Economics in Education, Shaanxi Normal University; Ai Yue, Shaanxi Normal University; Sean Y. Sylvia, University of Maryland; Yaojiang Shi, Shaanxi Normal University; Renfu Luo, Peking University; Scott D. Rozelle, Stanford University

2028 Expectations and Realities of Securing a Job and Tenure: A Blended Perspective

Chicago Ballroom B, 5th floor

Track Session – GSS and FSN Sections

Graduate students focus much of their attention on obtaining their degree. The ultimate goal is to land a job for which that degree qualifies them. This session will step out of the coursework and research arena and present an inside look at the hiring process for Agricultural Economists. Recent PhD graduates will share their experiences as candidates on the job market searching for jobs in academia and the private industry. In addition, general requirements and results from a study regarding "Life to the Tenure Track" will be highlighted. There are also many international students who may have questions pertaining to life after graduation. An Associate Professor will bring an international perspective to the discussion regarding life after graduation. This session will be beneficial to anyone seeking to become a better job market candidate and contain informative content regarding job requirements.

Organizers: Sven M. Anders, University of Alberta; Aaron M. Ates, Oklahoma State University; Clinton L. Neill, Oklahoma State University; Christiane Schroeter, California Polytechnic State University

Moderator: Aaron M. Ates, Oklahoma State University

Presenters: Sven M. Anders, University of Alberta; Melissa G.S. McKendree, Kansas State University; Christiane Schroeter, California Polytechnic State University; Nathanael M. Thompson, Purdue University

2029 Food Waste in the United States: Historical Perspectives, Theory, and Empirical Evidence

Denver, 5th floor

Track Session – FAMPS and FSN Sections

Roughly one-third of the U.S. food supply went unconsumed in 2010, up from one-quarter in 1974. Broadly defined as “food waste”, unconsumed food raises concerns over the efficiency of food systems and potential economic burdens related to foregone resources (e.g. water) and negative externalities (e.g. methane emissions). This session offers broad perspectives on food waste, including: a historical treatise examining how changes in technology, income, and consumer spending have affected food-waste outcomes over the last century; theoretical underpinnings that describe sources of inefficiency and provide testable hypotheses regarding why rational households would waste food; a presentation on novel data collection methods via a smartphone app that delivers accurate food waste estimates through photography; and experimental results that provide insight into how risk, loss, and ambiguity aversion influence the valuation of food waste.

Organizer: Travis A. Smith, University of Georgia

Moderator: Monika Hartmann, University of Bonn

A Century of Profligacy? The “Food-Waste Problem,” 1917-2017

John Bovay, *University of Connecticut*; **Wei Zhang**, *Connecticut College*

Microeconomic Models of Food Waste: Inefficiency and Uncertainty

Travis A. Smith, *University of Georgia*; **Craig Landry**, *University of Georgia*

Exploring Individual Food Waste Patterns from In-home Observation of Plate Waste

Danyi Qi, *Department of Agricultural Environmental and Development Economics, OSU*; **Corby K. Martin**, *Louisiana State University System*; **John W. Apolzan**, *Louisiana State University System*; **Brian E. Roe**, *The Ohio State University*

Risk, Loss, and Ambiguity as Drivers of Food Waste

Norbert L.W. Wilson, *Tufts University*; **Ruiqing Miao**, *Auburn University*

2030 U.S. Distillers’ Grains Industry Analysis

Belmont, 4th floor

Track Session – AEM and AFM Sections

The presentations in this session explore and analyze issues related to the industry, prices and markets for U.S. DDGS. The first paper “Supply, Use, and Price Relationships of U.S. Distillers’ Dried Grains,” reflects the current situation within the U.S. DDGS market and reconciles the USDA’s, National Agricultural Statistics Service, Grain Crushings and Co-Products Production report data with past USDA estimates. The second paper “Dynamic Spatial Integrations in the U.S. Distillers’ Grains Market” investigates the spatial pricing efficiency of regional DDGS markets in the United States to analyze how ethanol production and export market expansion have affected regional price transmissions. The third paper titled “The Effect of Trade Shocks on U.S. Distillers’ Grains Prices” analyzes the impacts of both domestic and international demand on the prices of DDGS. This paper moves beyond previous research by including the relations of not only corn and soybean meal prices but the impacts of both domestic and international demand. The fourth presentation in this session will be an industry speaker.

Organizer: Lia Nogueira, University of Nebraska -Lincoln

Discussant: Fabio L. Mattos, University of Nebraska-Lincoln

Supply, Use, and Price Relationships of U.S. Distillers’ Dried Grains

Linwood A. Hoffman, *USDA-Economic Research Service*; **Thomas C. Capehart**, *USDA-Economic Research Service*

Dynamic Spatial Integrations in the U.S. Distillers Grains Market

Xiaoli L. Etienne, *West Virginia University*; **Alexandre Ribeiro Scarciuffolo**, *West Virginia University*; **Linwood A. Hoffman**, *USDA-Economic Research Service*

The Effect of Trade Shocks on U.S. Distillers’ Grains Prices

Lia Nogueira, *University of Nebraska -Lincoln*; **Kathleen R. Brooks**, *University of Nebraska-Lincoln*; **Vanessa De Oliveira**, *University of Nebraska-Lincoln*

Discussion of Ethanol Industry and DDGS in U.S.

Duane Kristensen, *Chief Ethanol Fuels*

2031 AAEA Undergraduate Competition Presentation

Dupage, 3rd floor

Track Session – SS-AAEA Section

This session will highlight the undergraduate student competitions. Students submitting papers, projects and spreadsheets will have a common location to present and to answer questions. This will aid in the judging of the competitions as well as giving the students a taste of the academic side of the organization. Finally, it will provide an opportunity for the undergraduate section to “show off” the accomplishments of our undergraduate members.

Organizer: Timothy J. Meyer, University of Nebraska-Lincoln

TUESDAY, 1:15 PM - 2:45 PM

2032 Physiological Measurement in Economics Experiments

Chicago Ballroom A, 5th floor

Invited Paper/Track Session – EXECON and FSN Sections

Physiological measures are increasingly being used in economic research to supplement and enrich the analysis and interpretation of more conventional behavioral data. This session will feature three papers that incorporate such measures: the use of mindfulness training and salivary cortisol to study the effects of stress on decision-making; the use of eye-tracking technology to study the effect of numeracy on the use of nutrition labels; and the use of continuous glucose monitoring to study the role of blood sugar variation in dietary habit formation.

Organizer: Trenton G. Smith, University of Otago

Moderator: Julie A. Caswell, University of Massachusetts Amherst

Discussant: Brian E. Roe, The Ohio State University

Mind, Behaviour, and Health: A Randomised Experiment

Michele Belot, University of Edinburgh; Yonas Alem, University of Gothenburg; Hannah Behrendt, University of Edinburgh; Anikò Birò, University of Edinburgh

Does the New Nutrition Facts Panel Help Compensate for Low Numeracy Skills? An Eye-tracking Analysis

Carola Grebitus, Arizona State University; George C. Davis, Virginia Tech

Is Fast Food Addictive? Evidence from an Experiment Utilizing Continuous Glucose Monitoring

Daniel Hamill, University of Otago; Trenton G. Smith, University of Otago; Bernard Venn, University of Otago

2033 Assessing the Pulse of the Next Farm Bill Debate

McHenry, 3rd floor

Organized Symposium

Debate over the next farm bill has started. This uniquely structured session will cover key topics contained in a typical farm bill, beginning with a 20-minute overview summarizing 11 one-page update overviews prepared by experts in farm policy (available at <http://www.farmdoc.illinois.edu/>). Interactive discussion between lead presenters and audience will follow.

Moderator: Carl R. Zulauf, The Ohio State University

Panelists: Mary Clare Ahearn, USDA-Economic Research Service; Marianne Bitler, Public Policy Inst of California; Jonathan Coppess, University of Illinois at Urbana-Champaign; Constance Cullman, Farm Foundation; Scott H. Irwin, University of Illinois at Urbana-Champaign; Stephanie A. Mercier, Farm Journal Foundation; Andrew M. Novakovic, Cornell University; David Orden, Virginia Tech; John R.C. Robinson, Texas A&M University; Gary D. Schnitkey, University of Illinois at Urbana-Champaign; Christopher A. Wolf, Michigan State University; Carl R. Zulauf, The Ohio State University

2034 Decision Making Under Uncertainty: Applications to Climate, Food Safety, Timber and Wildlife

Wrigleyville, 2nd floor

Organized Symposium – Association of Environmental and Resource Economists (AERE)

Do Climate Change Forecasts Encourage Private Adaptation? Water-saving Irrigation Investments under Uncertainty

Charles Sims, *The University of Tennessee, Knoxville*

Foodborne Illness Outbreaks, Collective Reputation, and Voluntary Adoption of Industry-wide Food Safety Protocols

Aaron A. Adalja, *University of Maryland*; **Elina T. Page**, *USDA-Economic Research Service*; **Erik Lichtenberg**, *University of Maryland*

Timber Cruising with Faustmann: Optimal Inventory and Harvest under Volume Uncertainty and Price Volatility

David Kling, *Oregon State University*; **Matthew Sloggy**, *University of Maryland*

Optimal Wildlife Management in the Greater Yellowstone Ecosystem-A Spatiotemporal Model of Disease Risk

David M. Aadland, *University of Wyoming*; **Charles Sims**, *The University of Tennessee, Knoxville*; **David Finnoff**, *University of Wyoming*; **Matthew Maloney**, *University of Wyoming*; **Richard D. Horan**, *Michigan State University*; **Jerod Merkle**, *University of Wyoming*; **Dannele E. Peck**, *University of Wyoming*; **Brant Schumaker**, *University of Wyoming*; **Kevin Monteith**, *University of Wyoming*

2035 International Agribusiness

Grace, 4th floor

Selected Presentation – Lightning Session

This session discusses a range of agribusiness issues in Cambodia, China, Mexico, Tanzania, Vietnam, and West Africa. Topics discussed include contract farming, agricultural practice adoption, consumer preferences, time preferences, and other important issues.

The Role of Time Preferences in Contract Breaching: Evidence from China Broiler Farmers Participating in Contract Farming

Jing Hou, *College of Economics and Management, Nanjing Agricultural University*; **Li Zhou**, *Nanjing Agricultural University*; **Jennifer E. Ifft**, *Cornell University*; **Ruiyao Ying**, *College of Economic and Management, Nanjing Agricultural University*

Determinants of Consumer Preferences for Rice Attributes: Evidence from South and Southeast Asia

Subir K. Bairagi, *International Rice Research Institute*; **Samarendu Mohanty**, *International Rice Research Institute*; **Jhoanne Ynion**, *International Rice Research Institute*; **Matty Demont**, *International Rice Research Institute*

To Adopt, or Not to Adopt the Case Study of the Improved Corn Seeds in Chiapas (México)

Blanca I. Sanchez, *Research Centre for Agri-Food Economy & Development*; **Zein Kallas**, *Parc Mediterrani De La Tecnologia*; **Jose M. Gil**, *Research Centre for Agri-Food Economy & Development*

Drivers of Indivisible Technology Channel Access and Service Provision among Small and Medium Sized Food Processing Firms in Tanzania

Jason E. Snyder, *Michigan State University*; **David L. Tschirley**, *Michigan State University*; **Thomas A. Reardon**, *Michigan State University*

Risky Practices and Water Related Disease Transmission on Small Scale Farms in Vietnam

David C. Hall, *University of Calgary*; **Quynh B. Le**, *Consultant*

How Important are Economic Factors and Agribusiness Managers' Acceptance of GM Products in the Approval of GM Crops in China?

Haiyan Deng, *Ruifa Hu*, *Beijing Institute of Technology*; **Carl E. Pray**, *Rutgers University*; **Yanhong Jin**, *Rutgers University*

What Drives the Regional Integration of Agribusiness Stocks? Evidence in Worldwide Perspective

Rodrigo Valdes, *Pontificia Universidad Catolica de Valparaiso*

2036 Household and Labor Economics

Great America I, 6th floor

Selected Presentation – Lightning Session

These papers examine the determinants and impacts of migration, migration policy, or dynamics of the agricultural labor market.

Effects of U.S. Policies on Illegal Migration

Stephen Devadoss, *Texas Tech University*; **Jeff Luckstead**, *University of Arkansas*

The Effects of Natural Factors, Economic Factors, and Government Policy on Migration in Rural Mexico: A Structural Econometric Model of the Dynamic Migration Game

Ruben I. Rojas Valdes, *University of California, Davis*; **C.-Y. Cynthia Lin Lawell**, *University of California, Davis*; **J. Edward Taylor**, *University of California, Davis*

Revisiting the Neoclassical Model of Out-farm Migration: Evidence from Nonlinear Panel Time Series Data

Zahra Tayebi, *University of Florida*; **Gulcan Onel**, *University of Florida*

The Effect of Immigration on Native Workers: Evidence from the U.S. Construction Sector

Zachariah Rutledge, *University of California, Davis*; **Pierre Mérel**, *University of California, Davis*

The impact of E-Verify on agricultural labor and agricultural subsectors across the U.S.

Jeffrey L. Jordan, *University of Georgia*; **Tianyuan Luo**, *University of Georgia*; **Genti Kostandini**, *University Of Georgia*

Earthbound Labor and Incomplete Exit from Farming in China: Multiple Distortions and Nonseparable Decisions

Meilin Ma, *University of California, Davis*

The Labor Supply of U.S. Agricultural Workers

Alexandra E. Hill, *University of California, Davis*

2037 Food Choices by Low-income Americans

Great America II, 6th floor

Selected Presentation

A goal of many food policies in the United States is to improve food choices by low-income Americans. This session contains papers that investigate how low-income Americans allocate their budget and policies that affect these decisions.

Budget Allocation Patterns of Poor and Non-poor American Households

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

The Role of Heterogeneity in Understanding the SNAP Benefit Cycle

Jeffrey H. Dorfman, *University of Georgia*; **Christian A. Gregory**, *USDA-Economic Research Service*; **Ran Huo**, *University of Georgia*; **Zhongyuan Liu**, *University of Georgia*

The Consumer Welfare Impact of Expanding Access to Fruits and Vegetables in Food Deserts

Linlin Fan, *University of Illinois at Urbana-Champaign*

A New Approach for Modeling Household Food Demand with Panel Data: The Case of Cold Cereals

Diansheng Dong, *USDA-Economic Research Service*; **Hayden Stewart**, *USDA-Economic Research Service*; **Patrick W. McLaughlin**, *USDA-Economic Research Service*

2038 Environmental and Nonmarket Valuation - Humans & the Environment

Illinois, 6th floor

Selected Presentation

This session features research that investigates the relationship between human activities and the related environment. The papers cover environments ranging from forests and other agricultural lands to the built environment.

Linking Agricultural Land Conservation and Provision of Ecosystem Services: A Choice Experiment Approach

Haoluan Wang, *University of Maryland at College Park*; **Brent M. Swallow**, *University of Alberta*

Forest Management and Conservation Decisions: Do Forest Types Reveal Family Forest Owners' Willingness to Accept Payment for Ecosystem Services Contracts?

Moon Jeong Kang, *University of Georgia*; **Jacek Siry**, *University of Georgia*

Measuring the Impact of Greenway Infrastructure: Evidence on Heterogeneous Demand for Environmental Amenities

Lee Parton, *North Carolina State University*

Residents' Preferences in Adopting Water Runoff Management Practices: Examining the Effect of Behavioral Nudges in a Field Experiment

Tongzhe Li, *University of Delaware*; **Jacob Fooks**, *USDA-Economic Research Service*; **Kent D. Messer**, *University of Delaware*

2039 Application of Experimental Economic Methods to Agricultural Policy and Technology Adoption Decisions

Ohio State, 6th floor

Selected Presentation

This session presents a suite of papers that apply experimental economics methods to a diverse array of research problems such as the strength of the impact of public feedback influence the decision making of policymakers, consumers' reactions towards to a novel food safety technology in the beef industry, the extent of intra-household decision making on technology adoption, and the effects of induced health-related thoughts on subsequent decisions in situations that require self-control exertion like eating behavior.

Do Stakeholder Comments Influence Regulator Behavior? Evidence from a Public Goods Experiment

Stephen N. Morgan, *Michigan State University*; **Nicole M. Mason**, *Michigan State University*; **Robert S. Shupp**, *Michigan State University*

Intrahousehold Decision Making on Rice Varietal Trait Improvements: Using Experiments to Estimate Gender Influence

Rio L. Maligalig, *The University of Adelaide*; **Matty Demont**, *International Rice Research Institute*; **Wendy J. Umberger**, *University of Adelaide*; **Alexandra Peralta**, *The University of Adelaide*

Labeling Food Safety Attributes: Understanding the Consumer Perspective

Kofi Britwum, *University of Nebraska-Lincoln*; **Amalia Yiannaka**, *University of Nebraska-Lincoln*

Setting up smARt Goals in Weight Loss Programs

Michelle Segovia, *Texas A&M University*; **Marco A. Palma**, *Texas A&M University*; **Rodolfo M. Nayga**, *University of Arkansas*

2040 The Effects of Information on Consumer Decisions and Market Expectations

Indiana, 6th floor

Selected Presentation

Information represents an important element for consumer decision making as well as understanding future market expectations. The type and source of information provided to consumers can play an important role in product choice, especially when providing information about credence attributes. Papers in this session examine the impacts of different attributes of information concerning animal welfare on purchase decisions and trust in producers related to animal welfare concerns. Additionally, how the value of information provided by USDA reports attempting to shed light on product markets has changed over time will be discussed.

Market Responses to Information Conveying Mixed Messages – Prediction of Informational Impacts on Consumer Willingness to Pay for Eggs from Welfare Enhanced Cage Systems using Discrete Choice Experiment

Ying Cao, State University of New York at Buffalo; **Chen Chen**, University of Guelph; **John Cranfield**, University of Guelph

A Temporal Impact Assessment Method for the Informational Content of USDA Reports in Corn and Soybean Futures Markets

Jiahui Ying, University of Georgia; **J. Scott Shonkwiler**, University of Georgia

Effects of Information on Trust in Farmers Regarding Animal Welfare

Sabine Gross, Technical University of Munich; **Jutta Roosen**, Technical University of Munich

Consumer Segmentation Based on Attitudes - Does Information Change it All?

Antje Risius, University Göttingen; **Ulrich Hamm**, University of Kassel

2041 Effects of Income and Prices on Food Consumption

Iowa, 6th floor

Selected Presentation

One of the central economic questions related to the U.S. Supplemental Nutrition Assistance Program (SNAP) is how consumers respond to increased spending power. Two papers in this session consider the effects of SNAP participation on non-food spending; two papers evaluate whether healthy food expenditure can be encouraged by taxing unhealthy food.

The Within Month Pattern of Medical Utilization Among SNAP Participants

Bita Fayaz Farkhad, Lehigh University; **Chad D. Meyerhoefer**, Lehigh University; **National Bureau of Economic Research**; **James A. Dearden**, Lehigh University

Heat and Eat: The Impact of the Low Income Home Energy Assistance Program on Household Supplemental Nutrition Assistance Program Participation

Dorina Nikolla, Virginia Tech; **Bradford F. Mills**, Virginia Tech; **Anthony G. Murray**, USDA-Economic Research Service; **Charlotte Tuttle**, USDA-Economic Research Service

Changes in Income, Urbanization and Cereal Consumption in an Emerging Economy: An Ethiopia Case

Khondoker A. Mottaleb, International Maize and Wheat Improvement Center; **Olaf Erenstein**, International Maize and Wheat Improvement Center

2042 Child Nutrition

Lakeview, 2nd floor

Selected Presentation

The four presentations look into the economics of child nutrition from different angles. The topics covered include childhood obesity, household environment and child nutrition, child nutrition in poor households and the impact of climate change on nutrition in a poor country.

Composition of Food-at-Home Expenditures and Childhood Obesity

Danhong Chen, Sam Houston State University; **Edward C. Jaenicke**, The Pennsylvania State University

Effect of Climate Change on Child Nutrition: Evidence from Natural Experiments in Bangladesh

Absanuzzaman Absanuzzaman, North South University; **Muhammad Islam**, Saint Louis University

Influence of Family Conflict, Cohesion and Disorganization in the Home Environment on Maternal and Child Food-related Behaviors

Man Zhang, Rutgers University; **Yanhong Jin**, Rutgers University; **Virginia Quick**, Rutgers University; **Carol Byrd-Bredbenner**, Rutgers University; **Jennifer Martin-Biggers**, Rutgers University

The Composition of Farm Production is Associated with Child Dietary Intake Only in Poorer Households: Results from a Nationally-representative Survey in Nepal

Prajula Mulmi, Tufts University; **William A. Masters**, Tufts University; **Steven A. Block**, Tufts University; **Patrick Webb**, Tufts University

2043 Retail Industry

Lincolnshire I, 6th floor

Selected Presentation

This session focusses on empirical studies in the retail sector. It includes an empirical test of strategic obfuscation (the tendency to increase consumers' search costs by offering different product formats), an examination of the determinants of the growth of local foods in intermediated grocery channels, a study of the evolution of independent grocery stores in the U.S., and a study of the relationship between the grocery retail environment, including store format, and produce purchases.

Strategic Obfuscation and Retail Pricing

Timothy J. Richards, Arizona State University; **Gordon Klein**, University of Muenster; **Celine Bonnet**, Toulouse School of Economics; **Zohra Bouamra-Mechemache**, Toulouse School of Economics

Retail Market Power in a Shopping Basket Model of Supermarket Competition

Timothy J. Richards, Arizona State University; **Stephen F. Hamilton**, California Polytechnic State University

Independent Grocery Stores in the U.S. Food Retail Industry

Clare Cho, USDA-Economic Research Service; **Richard J. Volpe III**, California Polytechnic State University

Food Retail Market Structure and Produce Purchases in the U.S.

Xiaowei Cai, California Polytechnic State University, San Luis Obispo; **Richard J. Volpe III**, California Polytechnic State University, San Luis Obispo; **Christiane Schroeter**, California Polytechnic State University, San Luis Obispo; **Lisa Mancino**, USDA-Economic Research Service

2044 Rural Transformations and Development

Lincolnshire II, 6th floor

Selected Presentation

This session focuses on rural, agricultural, and structural transformations. The first paper examines how and where rural transformations are occurring. The second paper proposes a set of indicators to measure such transformations. The third paper looks at the effects of spatial urbanization on agricultural and structural transformations. The last paper analyzes the legacy of large scale land transfers on welfare.

A Global Perspective on Development Paths for Inclusive Rural Transformation

Andrea Cattaneo, *FAO of the UN*; **Raffaele Bertini**, *Food and Agriculture Organization of the United Nations*; **Ahmad Sadiddin**, *Food and Agriculture Organization of the United Nations*

Measuring Agricultural and Structural Transformation

Anwar Naseem, *Rutgers University*

Spatial Urban Development and Transformation of African Agriculture: A View from Space

Didier Y. Alia, *University of Kentucky*; **Christopher Boone**, *Cornell University*

Assessing Impacts of Large Scale Land Transfers: Challenges and Opportunities in Malawi's Estate Sector

Klaus W. Deininger, *World Bank*; **Fang Xia**, *University of International Business and Economics*

2045 Natural Resource Economics - Institutions and Water Resources

MI State, 6th floor

Selected Presentation

Papers on Institutions and Water Resources: water allocation and groundwater.

An Empirical Analysis of Water Allocation Efficiency through the Prior Appropriation Doctrine: A Case Study in the Carson River Valley, Nevada

Gi-Eu Lee, *University of Nevada, Reno*; **Kimberly S. Rollins**, *University of Nevada, Reno*; **Loretta Singletary**, *University of Nevada, Reno*

Water Right Seniority, Economic Efficiency, and Land Allocation Decisions

Kelly M. Cobourn, *Virginia Tech*; **Xinde Ji**, *Virginia Tech*; **Sian Mooney**, *Arizona State University*; **Neil Crescenti**, *Willamette Partnership*

Efficiency Gains Arising from Dynamic Groundwater Markets

Todd Guilfoos, *University of Rhode Island*; **Cloe Garnache**, *Michigan State University*; **Jordan F. Suter**, *Colorado State University*

Estimating agricultural acreage responses to input prices: groundwater in California

Andrew W. Stevens, *University of California, Berkeley*

2046 Production Economics: Herbicide Resistance and Biotech Crops

Northwestern, 6th floor

Selected Presentation

The introduction of biotech crops and associated widespread utilization of a narrow spectrum of herbicide chemistries have been blamed for the increasing prevalence of herbicide resistant weed species. This set of papers addresses various aspects of this problem.

Economic and Behavioral Drivers of Herbicide Resistance Management in the U.S.

Huichun Sun, *University of Minnesota*; **Terrance M. Hurley**, *University of Minnesota*; **Katherine Dentzman**, *Michigan State University*; **David E. Ervin**, *Portland State University*; **Wesley Everman**, *North Carolina State University*; **George B. Frisvold**, *University of Arizona*; **Jeffrey Gunsolus**, *University of Minnesota*; **Raymond Jussaume**, *Michigan State University*; **Jason Norsworthy**, *University of Arkansas*; **Micheal Owen**, *Iowa State University*

Pesticide Substitution under Maximum Residue Limits: Application to Hops Production

Xi Gu, *Washington State University*; **Thomas L. Marsh**, *Washington State University*

Labor Savings and Time Allocation Shifts from the Adoption of Pesticidal GM Crops in the Philippines

Lawson Connor, *North Carolina State University*; **Roderick M. Reyes**, *North Carolina State University*

2047 Research Methods in Food and Production Economics

Michigan, 6th floor

Selected Presentation

Papers in this session present methods of econometric and statistical analysis in food and production economics. The topics include applying entropy approaches and dynamic panel data models in crop supply system, using machine learning methods to assess the main factors causing obesity, and evaluating the welfare effects of policy changes based on BMI data.

Constructing Internally Consistent BMI Z Scores for Adults and Children to Examine Intra-household Health and Welfare Effects

Felix Naschold, *University of Wyoming*

What are the Culprits Causing Obesity? A Machine Learning Approach in Variable Selection and Parameter Inference

Manhong Zhu, *University of Florida*; **Andrew Schmitz**, *University of Florida*; **Troy G. Schmitz**, *Arizona State University*

Testing for Complementarity Between the Use of Continuous No-till and Cover Crops: An Application of Entropy Approach

Dat Q. Tran, *North Carolina A&T State University*; **Lyubov A. Kurkalova**, *North Carolina Agricultural and Technical State University*

2048 Consumer Behavior, Energy, and Ethanol Policy

Printers Row, 2nd floor

Selected Presentation

This session includes two empirical pieces examining consumer behavior with implications for (i) welfare analyses and optimal cost recovery in natural gas markets and (ii) externalities resulting from driving miles and gasoline consumption. A third empirical piece examines spatial competition on local corn supply in ethanol markets. The fourth work is an applied theory piece investigating policy incentives to be considered in ethanol and related markets.

Elasticities, heterogeneity, and Optimal Cost Recovery: Evidence from 300M+ Natural Gas Bills

Maximilian Auffhammer, *University of California, Berkeley*; **Edward A. Rubin**, *University of California, Berkeley*

Going Beyond the E10 Blend Wall: Policy Incentives to Supplement the Renewable Fuel Standard

Jia Zhong, *The University of Illinois at Urbana-Champaign*; **Madhu Khanna**, *University of Illinois at Urbana-Champaign*; **Xiaoguang Chen**, *Southwestern University of Finance and Economics*

2049 Demand and Benefits of Insurance

River North, 2nd floor

Selected Presentation

Insurance is a means for managing risk in agriculture. Presentations in this session examine that association and how it relates to producer risk profile and risk portfolio as well as farm survival and land markets.

Does Crop Insurance Really Reassure Farmers? A Puzzle and its Explanations Based on Field Data

Juan He, *Huazhong agriculture University*; **Xiaoyong Zheng**, *North Carolina State University*

The Benefits of Crop Insurance

Barrett E. Kirwan, *University of Illinois at Urbana-Champaign*

Agricultural Risk, Insurance, and the Land-productivity Inverse Relationship

Huang Chen, *University of California, Davis*

2050 Rural Human and Intellectual Capital

Purdue, 6th floor

Selected Presentation

These papers examine human and intellectual capital in rural areas. Topics include: the effects of school transfers on academic performance, rural-urban differences in patent awards, migration effects of rural school quality, and aging and cognition.

The Effect of School Transfers on Academic Performance of Rural-to-Urban Migrant Children in China

Yan Yuan, Southwestern University of Finance and Economics; Xuche Gong, Southwestern University of Finance and Economics

Population Aging and Growth of Developed Countries' Agricultural Sector: Focusing on the Inverse Relationship between Aging and Cognitive Abilities

Jun Ho Seok, University of Kentucky; Michael R. Reed, University of Kentucky; Han-Pil Moon, Korea Rural Economic Institute

The Rural-Urban Divide in County-Level Patent Awards

Giri R. ARYAL, Michigan State University; John T. Mann, Michigan State University; Scott Loveridge, Michigan State University; Satish Joshi, Michigan State University

School Quality and Rural In-Migration: Can Improving the Quality of Rural Schools Attract New Residents?

Alexander W. Marre, USDA-Economic Research Service; Anil Rupasingha, USDA-Economic Research Service

2051 Professors of Practice: Future Rock Stars or Worker Bees

Addison, 4th floor

Track Session – NAAEA and TLC Sections

Adjunct Professors have a long history of contributing to the teaching mission of Departments of Agricultural and Applied Economics. However, in the last decade a new category of faculty member, Professor of Practice (PoP), has emerged in the academy, and in some universities PoPs represent a growth area in faculty hiring plans. This growth is largely due to an increasing emphasis by university administrators on student credit hour (SCH) generation by academic units under their control. Increasing SCHs can lead to greater centrally controlled resources flowing to the SCH-increasing unit. This session will explore the evolution of this faculty category, PoP's contribution to the teaching mission of a department, and the opportunities and challenges to those working under this academic title.

Organizer: Paul N. Wilson, University of Arizona

Moderator: Na Zuo, University of Kentucky

Discussant: Titus O. Awokuse, Michigan State University

The PoP Perspective: My Challenges and Opportunities

Timothy J. Meyer, University of Nebraska-Lincoln

Integrating PoPs into University, College, and Department Cultures

Paul N. Wilson, University of Arizona

Our PoP Future: A Department Head's Perspective

Larry W. Van Tassell, University of Nebraska-Lincoln

2052 Food Prices and Price Volatility in Africa South of the Sahara

Armitage, 4th floor

Track Session – Africa and COSBAE Sections

There are substantial economic costs and welfare impacts of food price hikes and volatility on several households in sub-Saharan Africa (von Braun and Tadese 2012; Minot 2011, 2014; Shittu et al. 2014). Yet, evidence on domestic policy responses, households' coping mechanisms and roles of local factors in domestic price formation in the region remain anecdotal. The proposed session shall facilitate presentation and discussion of some on-going collaborative research between the Center for Development Research at the University of Bonn, Germany and the Federal University of Agriculture, Abeokuta, Nigeria. Empirical findings will be presented on analysis of key domestic and external drivers of food price volatility in local markets; price shock transmissions from international to domestic markets and along domestic value chains; welfare and long-term child health impacts of price shocks; and policy responses and households' coping mechanisms in sub-Saharan Africa.

Organizers: Mekbib G. Haile, Center for Development Research; Adebayo M. Shittu, Federal University of Agriculture, Abeokuta

Food Price Hikes and Volatility: Drivers, Policy Responses and Vulnerability Mapping across the States in Nigeria

Adebayo M. Shittu, *Federal University of Agriculture, Abeokuta*; **Mekbib G. Haile**, *Center for Development Research*; **Dare Akerele**, *University of Agriculture Abeokuta, Ogun State, Nigeria*; **Sarah E. Edewor**, *Federal University of Agriculture Abeokuta, Nigeria*

Price Shock Transmission Along Grain Market Chains in Ethiopia

Mekbib G. Haile, *Center for Development Research (ZEF)*; **Matthias Kalkuhl**, *University of Bonn*; **Bernardina Algieri**, *University of Calabria*; **Samuel Gebreselassie**, *Ethiopian Economics Association*

The Fortune of Birth at the Right Time: Long Term Health Impacts of Food Price Shocks in Sub-Saharan Africa

Lukas Kornher, *University of Kiel*

Impacts of Rising and Volatile Food Prices, and Coping Mechanisms Among Households in Nigeria

Dare Akerele, *University of Agriculture, Abeokuta, Ogun State, Nigeria*; **Mekbib G. Haile**, *Center for Development Research (ZEF)*; **Adebayo M. Shittu**, *Federal University of Agriculture, Abeokuta*; **Chioma Patricia Adekunle**, *Federal University of Agriculture, Abeokuta, Nigeria*; **Omotoso Ogunmola**, *Federal University of Agriculture, Abeokuta, Nigeria*

2053 Behavioral Economics Applications to Environmental and Resource Economics

Wisconsin, 6th floor

Track Session – ENV Section

The session will cover topics showing the application of behavioral economics to environmental and resource economics issues. Speakers will discuss the role of social nudges, information provision and peer effects in influencing behavior affecting energy and water consumption, conservation practice adoption and participation in conservation programs. The implications of behavioral responses for the design of cost-effective policies and conservation programs will be discussed.

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

A Framework for Studying Peer Effects in Conservation

Steven Wallander, *USDA-Economic Research Service*

Applying Behavioral Economics to Improve Water Security

Kent D. Messer, *University of Delaware*; **Paul J. Ferraro**, *Johns Hopkins University*

Behavioral Insights from Qualitative and Quantitative Research on Agricultural Conservation Adoption and Stated Preferences

Ben Gramig, *Purdue University*

Non-pecuniary Drivers of Residential Energy Conservation and Renewable Energy Adoption

Christine L. Crago, *University of Massachusetts Amherst*; **Elizabeth Hunter**, *Department of Public Utilities in Boston*; **John Spraggon**, *University of Massachusetts Amherst*

2054 Plants, Patents, and Politics: Changing Global Landscapes in the Crop Sciences Industry and Genetic Resources Policy

Chicago Ballroom B, 5th floor

Track Session – International and Senior Sections

The last several years have seen significant changes in the global landscape governing agricultural science, technology, and innovation. New technological opportunities such as CRISPR have been accompanied by mergers and acquisitions among leading multinational crop-science firms in a bid to secure valuable intellectual assets. The Nagoya Protocol came into force, setting into motion new access and benefits sharing rules that may reshape the exchange of genetic resources the global research community. These changes—among many others—may influence the nature of scientific collaboration at multiple levels, with potential effects on research priorities, collaboration structures, germplasm exchanges, and patenting strategies. For many developing countries dependent on scientific collaboration with, technological spillovers from, industrialized countries, the impacts on productivity growth may be non-trivial. This session explores these issues in greater depth with a focus on global and developing-country agriculture.

Organizer: David J. Spielman, International Food Policy Research Institute

Discussant: George W. Norton, Virginia Tech

Intellectual Property and Regulatory Issues of Gene Editing in Agriculture and Food: The Lessons of GMOs for CRISPR

Gregory D. Graff, *Colorado State University*; **David Zilberman**, *University of California, Berkeley*

Trends, Structural Breaks, and Shocks in International Exchanges of Germplasm

Dawit K. Mekonnen, *International Food Policy Research Institute*; **David J. Spielman**, *International Food Policy Research Institute*; **Eduardo C. Magalhaes**, *International Food Policy Research Institute*

The Role of the U.S. National Plant Germplasm System in the Global Genetic Distribution Network

Paul W. Heisey, *USDA-Economic Research Service*; **Kelly Day Rubenstein**, *USDA-Economic Research Service*

Political Economy Determinants of Public R&D Spending and Productivity Growth: Evidence From Developing Country Agriculture

David J. Spielman, *International Food Policy Research Institute*; **Danielle Resnick**, *International Food Policy Research Institute*; **Dawit K. Mekonnen**, *International Food Policy Research Institute*; **Alejandro Nin-Pratt**, *International Food Policy Research Institute*

2055 Using Retail and Household Panel Scanner Data in Research

Belmont, 4th floor

Track Session – FAMPS Section

This panel discussion highlights current scanner data researchers who will discuss why they chose the data for their research, frustrations, and tips on using the data. Panelists will include graduate student researchers who have become experts at using the data, and academic and government researchers to address questions on access and data content. These data are available from two major vendors through direct purchase, access through ERS, or through the Kilt Center. The majority of the time will be left open for audience members to ask questions and share their insights.

Organizer: Andrea C. Carlson, USDA-Economic Research Service

Moderator: Andrea C. Carlson, USDA-Economic Research Service

Panelists: Timothy Beatty, University of California, Davis; Chen Zhen, University of Georgia

Are Scanner Panelists Representative of Shoppers at the Stores?

Grace Melo, *University of Georgia*; **Chen Zhen**, *University of Georgia*

Using Scanner Data to Study Food Price Variation Over the SNAP Benefit Cycle

Xinzhe H. Cheng, *University of California, Davis*; **Timothy Beatty**, *University of California, Davis*

Using Scanner Data to Analyze WIC Cost Containment Policies

Xuemei Li, *University of California, Davis*

2056 Identifying Supply- and Demand-Side Drivers of Farm Productivity

Sheffield, 4th floor

Track Session – Econometrics Section

Identifying factors that affect productivity remains a challenging empirical exercise given the numerous sources of variation affecting farm outputs. These factors are associated with both the supply- and demand-side of the market, and can often only be identified once numerous confounding factors are adequately controlled for. The first paper in this session explores a traditional topic relating changes in farm technology, GM seed varieties, to farm yields, and demonstrates the crucial role that controlling for confounding factors plays in estimating these types of effects. The second paper analyzes another common supply-side driver of farm productivity, climate, and provides evidence of extensive regional heterogeneity as well as a linkage between total factor productivity growth and climate sensitivity. The last paper focuses on an often overlooked driver of farm productivity, consumer preferences, which are especially relevant in today's world economy as many consumers are averse to GM foods, thereby inducing companies to pursue new innovations in gene-editing technology.

Organizer: Jesse B. Tack, Kansas State University

Moderator: Joseph V. Balagtas, Purdue University

The Effect of Adoption of Genetically Engineered Varieties on U.S. Corn Yield

Jesse B. Tack, Kansas State University; Jayson L. Lusk, Purdue University; Nathan P. Hendricks, Kansas State University

The Role of Climate in U.S. Agricultural Productivity Growth

Ariel Ortiz-Bobea, Cornell University; Erwin Knippenberg, Cornell University

Trends in Agricultural Biotech: The Global Viability of CRISPR Gene-Editing in Food Production

Lawton L. Nalley, University of Arkansas; Aaron M. Shew, University of Arkansas; Diana Danforth, University of Arkansas; Rodolfo M. Nayga, University of Arkansas; Bruce L. Dixon, University of Arkansas

2057 Value Chain Organization and Implications for Agricultural Producers in Developing Countries

Dupage, 3rd floor

Track Session – IBES and International Sections

Papers in the session explore the implications of different value chain organizational forms for farmers and farm performance in the context of developing agricultural economies. Topics include the role of contract farming as partial insurance, contractual solutions to capital constraints, the effects of alternate wholesale and brokerage markets on farm behavior, and the role of private sector intermediaries in supermarket supply chains. The studies are drawn from research surveys of farmers and value chain participants in Madagascar, Indonesia, and China.

Organizer: Michael E. Sykuta, University of Missouri

Contract Farming as Partial Insurance

Marc F. Bellemare, University of Minnesota; Yu Na Lee, University of Minnesota; Lindsey K. Novak, University of Minnesota

Contract Relations between Mango Farmers and Outsourced Agricultural Service Enterprises in Indonesia

Thomas A. Reardon, Michigan State University; Sara Qanti; David Zilberman, University of California, Berkeley; Liang Lu, University of California, Berkeley; Randy Stringer, The University of Adelaide

Value Chain Organization and Farm Performance: A case study from the Chinese apple industry

Xiangping Jia, Center for Chinese Agricultural Policy; Michael E. Sykuta, University of Missouri

Connecting Supermarkets and Farms: The Role of Intermediaries in Walmart China's Fresh Produce Supply Chains

Hope C. Michelson, University of Illinois At Urbana-Champaign; Stephen R. Boucher, University of California, Davis; Xinzhe H. Cheng, University of California, Davis; Jikun Huang, Peking University; Xiangping Jia, Center for Chinese Agricultural Policy

2058 Land Issues in Latin America: A Broad View from Titling to Carbon Sequestration

Chicago Ballroom C, 5th floor

Track Session/Lightning Session – LAS Section

Latin-America had significant land use changes over the last decades. Agriculture, Ranching and Ethanol production have had a deep impact on land allocation and deforestation with significant effects on carbon emissions and the environment. This lightning session presents eight papers that address main world drivers of land use change: ethanol production, agriculture, carbon sequestration, technology adoption, and land titling in seven different Latin-American countries: Bolivia, Brazil, Colombia, Ecuador, Honduras, Mexico and Peru. Papers' topics provide a broad view of land issues from land titling in Bolivia, to CO2 sequestration opportunity cost in Brazil, ethanol production indirect effects on land use in the Brazilian Cerrado, coffee shade management as a tool to preserve biodiversity in Colombia and Central America, and more. The session might be of interest for its implications in regards to climate change and the environment.

Organizer: Juan M. Murguia, Inter-American Development Bank CAN

Economic Impact of Land Titling in Bolivia

Eduardo Zegarra, Grupo de Análisis para el Desarrollo-Perú; Juan M. Murguia, Inter-American Development Bank; Juan De Dios R. Mattos, Inter-American Development Bank

Land Titling and Property Rights: Does Legislating Small Farm Land as a Non-sizable Family Asset Improve Small Farmers' Welfare?

Kassu W. Hossiso, Bureau of Economic Analysis; Juan M. Murguia, Inter-American Development Bank

The Effect of Land Titling on Deforestation: A Farm Level Data Analysis Using Sattelite Images

Juan M. Murguia, Inter-American Development Bank

Deforestation in the Bolivian Amazon and Chaco: 2025 Scenarios and Drivers

Wanderley Ferreira, Rumbol SRL; Juan M. Murguia, Inter-American Development Bank

Measuring Costs of Reducing CO2 Emissions from Deforestation Using Aggregate Data: The Case of the Brazillian Amazon

Felipe Silva, University of Nebraska-Lincoln; Richard K. Perrin, University of Nebraska-Lincoln; Lilyan E. Fulginiti, University of Nebraska-Lincoln

Sugarcane Expansion and Indirect Land Use Change in the Brazilian Cerrado

Jason S. Bergtold, Kansas State University; Elizabeth Canales, Mississippi State University; Gabriel Granco, Kansas State University; Ana Claudia Sant'Anna, Kansas State University; Marcellus Caldas, Kansas State University

Sustainable Land Management Decisions Among Smallholder Coffee Growers: A Dynamic Optimization Approach

J. Nicolas Hernandez-Aguilera, Cornell University; Miguel I. Gomez, Cornell University; Jon M. Conrad, Cornell University

Economic and Environmental Analysis of IPM Practices in Naranjilla (*Solanum Quitoense*): The Case of the Ecuadorian Amazon Region

Graciela C. Andrango, INAP-Ecuador; Victor Barrera Mosquera, INAIA-Ecuador; Jeffrey Alwang, Virginia Tech; Juan Manuel Domínguez, ESPAE Graduate School of Management; Mireya Guayasamin, INAIA-Ecuador; José Ochoa, INAIA-Ecuador; Anibal Martínez, INAIA-Ecuador

2059 Measuring Wealth for Developing and Evaluating Rural Development Policy and Strategy 3.0

Minnesota, 6th floor

Track Session – CRENET Section

Creating and sustaining wealth is being re-positioned for contemporary rural development policy and strategy. The optimal combination of wealth investments has the potential to improve the long-run prosperity, resiliency, and upward mobility of people in rural places. However, what constitutes wealth and how it is measured in the 21st century has differences to wealth assets of the 19th century highlighted by Thomas Piketty's book *Capital*. This session is a follow up to two previous AAEA sessions in 2015 and 2016, presenting results from three research efforts to measure wealth in rural regions and understand the place-based implications of these wealth assets.

Organizer: James M. Fannin, Louisiana State University

Discussant: Todd M. Schmit, Cornell University

Measuring the Comprehensive Wealth of U.S. Counties: An Application of Roback's Spatial Equilibrium Theory

John L. Pender, *USDA-Economic Research Service*

Applying Comprehensive Wealth Accounting to Evaluating the Impacts of Local Food System Initiatives

Becca B. R. Jablonski, *Colorado State University*; **Todd M. Schmit**, *Cornell University*; **Libby Christensen**, *Colorado State University*; **David Kay**, *Cornell University*

A Structural Equation Model of the Effects of Community Capitals on Economic Resilience

Lauryn Ringwood, *University of Idaho*; **Philip S. Watson**, *University of Idaho*; **Paul A. Lewin**, *University of Idaho*

2060 Risk Management Programs and the Next Farm Bill

Denver, 5th floor

Track Session – ARA and EXT Sections

The negotiations over the next Farm Bill will certainly cover commodity support and risk management programs, which are the second largest USDA budgetary expenditure after nutrition programs. Congressional budget disciplines, relatively low net farm income and prices for several major crops, and yield basis risk may all play into the negotiations over program changes. This discussion will provide government, industry, and academic perspectives on issues to potential changes to risk management programs in the next Farm Bill and their implementation.

Organizer: Joseph C. Cooper, USDA-Economic Research Service

Moderator: Mary E. Bohman, USDA-Economic Research Service

Panelists: Keith H. Coble, Mississippi State University; Joy L. Harwood, USDA-Farm Service Agency; Robert C. Johansson, USDA-Office of the Chief Economist; Thomas W. Worth, USDA-Risk Management Agency; Thomas P. Zacharias, National Crop Insurance Services

2061 Graduate Student Extension Competition Winners

Cook, 3rd floor

Track Session – GSS and EXT Sections

The Graduate Student Extension Competition consists of graduate student-prepared work and presentation to an Extension audience. It showcases the student's ability to communicate work product to an extension audience.

Organizers: Aaron M. Ates, Oklahoma State University; Clinton L. Neill, Oklahoma State University; John Michael Riley, Oklahoma State University

2062 Empirically Estimating the Impact of Weather on Agriculture

McHenry, 3rd floor

Organized Symposium

This symposium discusses alternative methodologies for empirically estimating the impacts of weather on agricultural production. It presents emerging research from a quasi-meta-analysis of crop production using different measures of weather (temperature, rainfall, NDVI, soil moisture), with different geospatial data sources (CHIRPS, ARC2, GLDAS, ECMWF, etc.), different weather metrics (max/min, average, variance, onset), in different developing contexts (Ethiopia, India, Kenya, Nicaragua, Uganda, and Zimbabwe). The goal is to provide evidence on the impact weather has on household crop production and how sensitive that impact is to decisions regarding type, source, metric, combination, and crop and country context.

Moderator: Jeffrey D. Michler, University of Saskatchewan

Discussants: Oscar Barriga-Cabanillas, University of California, Davis; Leah EM Bevis, The Ohio State University; Anna Josephson, Purdue University; Aleksandr Michuda, University of California, Davis; Emilia Tjernström, University of Wisconsin–Madison

2063 Natural Resources and Rural Development

Wrigleyville, 2nd floor

Organized Symposium – Association of Environmental and Resource Economists (AERE)

The Impact of Water Access on Short-term Migration in Rural India

Esha Zaveri, Stanford University; **Douglas H. Wrenn**, The Pennsylvania State University; **Karen Fisher-Vanden**, The Pennsylvania State University

Conservation Land Can Draw High-Skilled Migrants to Neighboring Communities

David Lewis, Oregon State University; **Yong Chen**, Oregon State University; **Bruce Weber**, Oregon State University

How Efficient are U.S. Water Rights Markets among other Natural Resource Markets?

Renata Rimsaite, The Pennsylvania State University; **Karen Fisher-Vanden**, The Pennsylvania State University; **Sheila Olmstead**, University of Texas, Austin

Adoption of Climate Smart Agriculture through Watershed Development in Southern Malawi: An Ordinal Logistics Regression Approach

Festus Amadu, University of Illinois at Urbana-Champaign; **Paul McNamara**, University of Illinois at Urbana-Champaign; **Daniel Miller**, University of Illinois at Urbana-Champaign; **Richard Brazee**, University of Illinois at Urbana Champaign

2064 Behavioral & Institutional Economics

Minnesota, 6th floor

Selected Presentation – Lightning Session

New behavioral economics studies in the fields of food, agriculture and environment.

Corporate Social Responsibility Act in India: An Assessment of Firm Response

Sangeeta Bansal, Jawaharlal Nehru University; Madhu Khanna, University of Illinois at Urbana-Champaign

Will the New Rich Waste Food More? Evidence from China

Na Hao, University of Georgia; Hong Holly Wang, Zhejiang University and Purdue University; Michael E. Wetzstein, Purdue University

Economic Factors Affecting Lottery Sales: An Examination of Maine State Lottery Sales

Gnel Gabrielyan, Cornell University; David R. Just, Cornell University

Farmer WTP for Nutrient Management Practices: A Field Experiment

Kent D. Messer, University of Delaware; Paul J. Ferraro, Johns Hopkins University; William Allen, The Conservation Fund; Nicholas R.

Janusch, University of Delaware

Tenure Stability and Environmental Performance: A Study of Chinese Cities

Chun Song, Purdue University; Juan Pablo Sesmero, Purdue University

Stewardship Signaling and the Power of Using Social Pressures to Reduce Nonpoint Source Pollution

Mark R. Griesinger, University of Delaware; Leah H. Palm-Forster, University of Delaware; Julianna Butler, University of Delaware;

Jacob Fooks, USDA-Economic Research Service; Kent D. Messer, University of Delaware

The Effects of Reference Price on Choice Behavior: Evidence from Two Food Choice Studies

Vincenzina Caputo, Michigan State University; Jayson L. Lusk, Purdue University; Rodolfo M. Nayga, University of Arkansas

2065 Natural Resource Economics

Wisconsin, 6th floor

Selected Presentation – Lightning Session

Short presentations on Natural Resource Economics

Climate Change and Agriculture: Do Ecosystem Services Matter?

Bruno C. B. Miyamoto, State University of Campinas; Alexandre Gori-Maia, University of Campinas; Junior Ruiz Garcia, Federal University of Parana - Brazil

Perception Biases and Land Use Decisions

Hongli Feng, Michigan State University; Tong Wang, South Dakota State University; David A. Hennessy, Michigan State University

The Effects of Irrigation and Climate on the High Plains Aquifer: An Econometric Analysis of Groundwater Levels and Irrigation Behavior

Felipe Silva, University of Nebraska-Lincoln; Lilyan E. Fulginiti, University of Nebraska-Lincoln; Richard K. Perrin, University of Nebraska-Lincoln; Karina Schoengold, University of Nebraska-Lincoln

Energy Efficiency and Directed Technical Change: Implications for Climate Change Mitigation

Gregory Casey, Brown University

Assessing the Relative Importance of Global Climate Change Impacts on the U.S. Agricultural Sector

Justin S. Baker, RTI International; Petr Havlik, International Institute for Applied Systems Analysis; Robert H. Beach, RTI International; Hugo Valin, IIASA; Jefferson Cole, U.S. Environmental Protection Agency; Sara B. Ohrel, U.S. Environmental Protection Agency

Water Availability, Land Allocation, and the Role of Irrigation Districts under Prior Appropriation Doctrine

Xinde Ji, Virginia Tech; Kelly M. Cobourn, Virginia Tech

2066 Agribusiness Entrepreneurship

Grace, 4th floor

Selected Presentation

This study examines several facets of entrepreneurship in agribusiness. Both the effects and drivers of entrepreneurial activity are examined.

Personality Traits of Illinois Agritourism Entrepreneurs

Ashley Kindred, Illinois State University; Asliban D. Spaulding, Illinois State University; Richard W. Steffen, Illinois State University; Richard Ringer, Illinois State University

Immigrant Farm and Agricultural Entrepreneurship

Bhagyashree Katare, Purdue University; Lifeng Ren, Purdue University; Maria I. Marshall, Purdue University

The Use of New Media Marketing in the Green Industry: Analysis of Social Media Adoption and its Impact on Sales

Becatien H. Yao, Kansas State University; Aleksan Shanoyan, Kansas State University; Hikaru Hanawa Peterson, University of Minnesota

2067 Determinants of Food Choice in Developing Countries

Great America II, 6th floor

Selected Presentation

Estimated consumer response to changes in prices and income can vary across countries because of differences in preferences, sociodemographic and health factors and market access. Papers in this session discuss estimation of food demand in a developing country context.

Effects of Urbanization on Food Demand in China

Vardges Hovhannisyan, University of Wyoming; Stephen Devadoss, Texas Tech University

Demand for Staple Foods in Niger and Nigeria: A Three-stage Budgeting Approach

Zhen Cheng, Virginia Tech; Catherine Larochelle, Virginia Tech

Household Structure, Education, and Income Influences on the Demand of Consumer Products and Its Relationship with Obesity: Evidence from Indonesian Family Life Survey

Evita Hanie Pangaribowo, Gadjah Mada University

Expenditure and Price Elasticities of Demand for Cowpea in Northern Ghana

Pacem A. Kotchofa, Kansas State University; Kara Ross, Kansas State University; Vincent Amanor-Boadu, Kansas State University; Jacob A. Zereyesus, Kansas State University

2068 Environmental and Nonmarket Valuation - Methods I

Illinois, 6th floor

Selected Presentation

This session features methodological advances in valuing the environment and other goods and services not currently traded in markets. These papers focus on addressing existing challenges in nonmarket valuation with novel methodological approaches.

Using Qualitative Site Characteristics Data in Marine Recreational Fishing Models: A New Site Aggregation Approach

Jesse D. Backstrom, Texas A&M University; Richard T. Woodward, Texas A&M University

Correcting Sample Selection Bias in Non-Market Valuation with Reweighting Process Kernel Mean Matching

Rui Zhang, University of Georgia

2069 Local Food Marketing Channels and Willingness to Pay for Localness

Indiana, 6th floor

Selected Presentation

Consumer demand for locally produced foods has surged in recent years. Papers in this session examine how farmers and institutions are reacting to this demand, as well as the willingness to pay for localness in the craft beer market. Results from newly released USDA survey data reveal how farmers choose their local food marketing channels. Two other institutions, local food hubs and universities, are examined to determine profit drivers and social costs/benefits.

Food Safety Choices of U.S. Local Produce Farms

Iryna Demko, *The Ohio State University*; **Zoë Plakias**, *The Ohio State University*; **Ani Katchova**, *The Ohio State University*

Consumers' Valuation for Craft Beer: Does the Localness of Inputs Matter?

Kim Ha, *Purdue University*; **Shadi S. Atallah**, *University of New Hampshire*; **Claudia Bazzani**, *University of Arkansas*; **Rodolfo M. Nayga**, *University of Arkansas*

Location and Profit Drivers of Local Food Hubs

Rebecca Cleary, *The Pennsylvania State University*; **Stephan J. Goetz**, *The Pennsylvania State University*; **Dawn D. Thilmany McFadden**, *Colorado State University*; **Houtian Ge**, *The Pennsylvania State University*

Impacts of Local Food Sourcing in an Institutional Context: Evidence from Ohio

Zoë Plakias, *The Ohio State University*

2070 Farm and Agricultural Policy

Iowa, 6th floor

Selected Presentation

Papers in this session evaluate three European Union farm policies and the effect of biofuel mandates on commodity markets.

The Effect of the Single Farm Payment Timing on Production Incentives

Daniel C. Voica, *University of Maryland*

Impacts of the 2013 CAP Reform on the EU Farming Sector: An Assessment using a Microeconomic Farm Model

Maria Espinosa, *European Commission, Joint Research Centre*; **Kamel Loubichi**, *Institute for Prospective Technological Studies; CIAIAN*; **Pavel**, *European Commission, Joint Research Centre*; **Sergio Gomez Y Paloma**, *European Commission, Joint Research Centre*

EU Milk Quota Abolishment: Has the Productivity of Irish Dairy Farms Been Impacted?

Shuwei Zeng, *University of Wisconsin–Madison*; **Brian W. Gould**, *University of Wisconsin–Madison*; **Fiona Thorne**, *Teagasc of Ireland*; **Doris Laepple**, *National University of Ireland, Galway*

Nested Biofuel Mandates: Impacts of Policy Product Differentiation on Commodity Markets

Miguel A. Carrquiry, *Universidad de la Republica, Ciencias Economicas*; **Bruce A. Babcock**, *Iowa State University*

2071 Consumer Behavior and Dietary Outcomes

Lakeview, 2nd floor

Selected Presentation

Four presentations on consumer behavior and their dietary choices. The topics include the method of payment, labeling and neuroeconomics.

Does How You Pay Effect How You Eat? Assessing Differences in Nutritional Quality of Food Acquisitions by Payment Type

Eliana Zeballos, *USDA-Economic Research Service*; **Lisa Mancino**, *USDA-Economic Research Service*; **Biing-Hwan Lin**, *USDA-Economic Research Service*

The Effect of Restaurant Calorie Labeling on Dietary Intake

Lisa Mancino, *USDA-Economic Research Service*; **Jessica E. Todd**, *USDA-Economic Research Service*; **Brandon J. Restrepo**, *U.S. Food and Drug Administration*; **Christopher W. Dicken**, *USDA-Economic Research Service*; **Vincent E. Breneman**, *USDA-Economic Research Service*

Identifying the Effect of Shelf Nutrition Labels on Yogurt Sales Using a Natural Experiment

Wenyng Li, *University of Georgia*; **Chen Zhen**, *University of Georgia*; **Eric Finkelstein**, *Duke University*

Under the Neuroeconomics Umbrella: A Framework for Evaluating, Improving, and Modeling Nutrition Interventions

George C. Davis, *Virginia Tech*

2072 Supply Chain Arrangements

Lincolnshire I, 6th floor

Selected Presentation

This session focuses on supply chain relationships. It includes an empirical study of the bargaining power between food manufacturers and retailers, an analysis of the governance of cooperative federations, a game theory model of moral hazard in input supply with monitoring by an intermediary, and a programming model of alternative U.S. ethanol transportation networks.

Complementarity and Bargaining Power

Timothy J. Richards, *Arizona State University*; **Celine Bonnet**, *Toulouse School of Economics*; **Zohra Bouamra-Mechemache**, *Toulouse School of Economics*

The Governance of Cooperative Federations, a First Insight

Julien Cadot, *ISG Paris*; **Michael L. Cook**, *University of Missouri*

The Organization of Relational Contracting in Supply Chains in the Presence of Collusion

Alexander E. Saak, *International Food Policy Research Institute*; **David A. Hennessy**, *Michigan State University*

Future U.S. Ethanol Transportation Network Design and Performance

David Ripplinger, *North Dakota State University*

2073 Information and Diffusion of Technology

Lincolnshire II, 6th floor

Selected Presentation

This session focuses on information, innovation, and diffusion of technology. The first paper looks at the effect of formal and informal delivery networks on seed adoption. The second paper assesses whether providing information to farmers in the form of soil tests influences input demand. The third paper discusses the influence of information in the diffusion of laser land leveling technology. The last paper investigates the impacts of pesticide safety information on protective equipment demand.

The Roles of Formal and Informal Delivery Approaches in Achieving Fast and Sustained Adoption of Biofortified Crops: Learnings from the Iron Bean Delivery Approaches in Rwanda

Kate A. Vaiknoras, *Virginia Polytechnic Institute and State University*; **Catherine Larochelle**, *Virginia Tech*; **Ekin Birol**, *International Food Policy Research Institute*; **Dorene Asare-Marfo**, *HarvestPlus*, *International Food Policy Research Institute*; **Caitlin Herrington**, *HarvestPlus*, *International Food Policy Research Institute*

Underground Knowledge: Soil Testing, Farmer Learning, and Input Demand in Kenya

David M. A. Murphy, *Cornell University*

Diffusing to Level Fields: Evolution of Laser Land Leveling Technology Markets in Uttar Pradesh, India

Kajal Gulati, *University of California, Davis*; **Travis J. Lybbert**, *University of California, Davis*; **David J. Spielman**, *International Food Policy Research Institute*

Information, Knowledge, and Demand for Preventative Health Goods: A Randomized Control Trial of Pesticide Safety Information in Zambia

Joseph C. Goeb, *Michigan State University*; **Frank Lupi**, *Michigan State University*

2074 Policy Measures in International Agricultural Trade

Michigan, 6th floor

Selected Presentation

This session focuses on market responses in the context of agricultural trade and potential consequences for agricultural trade policies.

The Impact of Diversifying China's Global Agri-Food Suppliers on U.S. Exports

Mina Hejazi, Virginia Tech; Jue Zhu, Virginia Tech; Mary Marchant, Virginia Tech

Economics of Import Duty and Excise Tax Drawback

Georgi T. Gabrielyan, University of California, Davis

Non-Parametric Estimation of Supply Responses to El Niño Southern Oscillation: Consequences for Price Volatility and Variable Trade Policies

Nelson B. Villoria, Kansas State University; Michael Delgado, Purdue University

Virtual Water Trade: Do Bilateral Tariffs Matter?

Rui Chen, Auburn University; Norbert L. W. Wilson, Tufts University

2075 Natural Resource Economics - Land Use Determinants and Implications

Wrigleyville, 2nd floor

Selected Presentation

Drenched fields and parched farms, and thin markets, price based policies, and priority funding areas on residential development and water quality.

Drenched Fields and Parched Farms: Evidence along the Extensive and Intensive Margins

Esha D. Zaveri, Stanford University; Jason Russ, World Bank; Richard Damania, World Bank

Land Conservation for Open Space: The Impact of Neighbors and the Natural Environment

Haoluan Wang, University of Maryland at College Park

Market Thinness and Leapfrog Development across the Urban-Rural Gradient

Yong Chen, Oregon State University; Elena G. Irwin, The Ohio State University; Ciriya Jayaprakash, The Ohio State University

Price-Based Policies for Residential Development Patterns and Impacts to Water Quality in the Chesapeake Bay

Douglas H. Wrenn, The Pennsylvania State University; Allen Klaiber, The Ohio State University; David Newburn, University of Maryland

2076 Production Economics: Risk and Management: Insurance, Diversification, and Technology Adoption

Streeterville, 2nd floor

Selected Presentation

Agricultural risk is of interest to various players across the agricultural industry. Mitigation of agricultural risk has been addressed with various tools. This set of papers utilize tools such as diversification, crop insurance, and price risk management.

Finding the Optimal Level of Farm Diversification: An Application of the Dual Measure of Economies of Scope

Stefan G. Wimmer, Technical University of Munich; Johannes Sauer, Technical University Munich

Feedlot Operators' Decision Making Regarding Price and Animal Health Risk

Melissa G.S. McKendree, Kansas State University; Glynn T. Tonsor, Kansas State University; Lee Schulz, Iowa State University

Modeling the Factors Affecting Farmers' Timing of Adoption in Field Conservation Practices

Elizabeth Canales Medina, Mississippi State University; Jason S. Bergtold, Kansas State University; Jeffery R. Williams, Kansas State University

Effect of Crop Insurance Subsidy on Total Farm Productivity of Kansas Farms, U.S.

Weldensie T. Embaye, Kansas State University; Jason S. Bergtold, Kansas State University; Benjamin Schwab, Kansas State University

2077 Agricultural Research Returns & Knowledge Spillovers

Northwestern, 6th floor

Selected Presentation

Description: Paper presentations in this session focus on estimating and evaluating returns rates to agricultural research, as well as on inter-sectoral knowledge spillovers. Various approaches are taken to estimating agricultural research's effect on productivity, as well as to the assumptions underlying the multiple return rate measures. South Africa is the focus of one presentation, while the U.S. and potential intersectoral knowledge spillovers is the focus of another.

Recalibrating the Reported Returns to Agricultural R&D: What if We All Heeded Griliches?

Xudong Rao, Wageningen University; **Terrance M. Hurley**, University of Minnesota; **Philip G. Pardey**, University of Minnesota

Economic Rate of Return to Plum Research Investments in South Africa

Precious Makhosazana Tshabalala, University of Pretoria; **Frikkie Liebenberg**, University of Pretoria

The Role of Interregional and Inter-sectoral Knowledge Spillovers on Regional Knowledge Creation Across U.S. Metropolitan Counties

Dongwoo Kang, Korea Labor Institute; **Sandy Dall'Erba**, University of Illinois at Urbana-Champaign; **Kun Peng**, University of Illinois at Urbana-Champaign

2078 Water Conservation

Ohio State, 6th floor

Selected Presentation

This session addresses water conservation management, including permits. Presentations focus on the effects that such management has on farmers' decisions on crop choice and use of conservation technologies as well as farmers' attitudes towards water conservation.

An Analysis of Heterogeneity in Attitudes Related to Groundwater Conservation among Agricultural Producers

Ryan Shepler, Colorado State University; **Jordan F. Suter**, Colorado State University; **Christopher Goemans**; **Dale Manning**, Colorado State University

How Does the Adjudication of Water Rights Affect Farm Behavior and Resource Allocation? Evidence from the Snake River Basin, Idaho

Oliver R. Browne, University of Chicago

Effects of Market Power on Investment Decisions in a Permit Market for Groundwater

Ellen Bruno, University of California, Davis; **Richard J. Sexton**, University of California, Davis

The Effects of Water Markets: Evidence from the Rio Grande

Peter Debaere, University of Virginia; **Tianshu Li**, University of Virginia

2079 Agricultural Risk Modeling

Printers Row, 2nd floor

Selected Presentation

The theme underlying this session is the use of different tools and approaches used to model risk in agriculture. Emphasis is given on crop insurance, margin protection policies, and agricultural commodity markets.

Flexible Modeling of Multivariate Risks in Pricing Margin Protection Insurance: Modeling Portfolio Risks with Mixtures of Mixtures

Seyyed Ali Zeytoon Nejad Moosavian, North Carolina State University

Crop Insurance Moral Hazard from Price and Weather Forecasts

Jisang Yu, Kansas State University; **Nathan P. Hendricks**, Kansas State University

On the Efficiency of Pseudo Risk Pools and Proxy yield data on Crop Insurance and Reinsurance in U.S.

Sebastain N. Awondo, University of Alabama

Future Volatility Forecast in Agricultural Commodity Markets

Jonathan S. Guimaraes, Federal University of Sao Carlos; **Jose Cesar Cruz Jr.**, Federal University of Sao Carlos

2080 Current Issues Related to Teaching and Learning

Purdue, 6th floor

Selected Presentation

This session includes a potpourri of topics related to teaching, learning, and faculty life. The selected papers address differences in teaching delivery methods, the role of mentorship on career advancement, the challenges of work-life balance, and the limited use of demand based pricing systems.

Impacts of Work-Life Policies on Representation of Female Faculty across Fields

Tyler Laferriere, Washington State University; Zarrina H. Juraqulova, Denison University; Jill J. McCluskey, Washington State University

Selling Demand-Based Pricing

Ronald B. Larson, *Independent*

Creating a Successful and Effective Mentor-Protégé Relationship based on Empirical Studies

Chyi-Lyi Liang, *North Carolina A&T State University*

2081 Food Fraud: Economic Analysis of Fraud in Supply Chains and Consumer Behavior Implications

Addison, 4th floor

Track Session – AEM and FAMPS Sections

A number of recent initiatives were designed to prevent food fraud threats in global food systems and strengthen the economic security of agricultural export nations. For example, the European Commission developed a resolution on Food Fraud and the United States broadened the Food Safety and Modernization Act to address economically motivated adulteration. Effective and efficient implementation of such measures may benefit from research of firms' incentives and risks related to food fraud, industrial organization, and manufactured food supply chain management. It is also critical to understand consumers' tolerance for and costs associated with food fraud. We combine economic analyses of food fraud threats and measures to deal these threats in firms and international supply chains. This research will be complemented by measures of welfare losses in presence of fraud, and consumer willingness to accept food fraud in credence attribute labels.

Organizer: Mariah D. Ehmke, University of Wyoming

Beyond Botulism: Economics Role in Food Fraud Prevention and Detection in a Globalized World

Mariah D. Ehmke, *University of Wyoming*

Food Authenticity and Acceptance of Deception: An Experimental Analysis

Diogo M. Souza Monteiro, *Newcastle University*

Extra Virgin Snake Oil: Frauds in the Italian EVOO Market

Alessandro Bonanno, *Colorado State University; Francesco BIMBO, Wageningen University; Rosaria Viscecchia, Università di Foggia*

Public Health Consequences of Management Failures: Detection, Incidence, and Mitigation of Fraud in Food Supply Chains

Kathryn A. Boys, *North Carolina State University*

2084 Leveraging Big Data for Studying Resilience to Weather Variability, Sub-national Poverty and Nutritional Deprivation in Sub-Saharan Africa

Dupage, 3rd floor

Track Session – Africa and International Sections

The first paper combines repeated cross-sectional and panel data from three countries in sub-Saharan Africa (SSA) with a time series of weather data to examine the short- and longer-term impact of weather variability on poverty and assess heterogeneity in the vulnerability and capacity to recover from weather shocks. The second paper combines a unique dataset from 25 SSA countries, constructed from various household surveys such as the LSMS-ISA, with geospatial information to examine the distribution of poverty at the sub-regional level and, in addition, to analyze the welfare effects of long term climatic changes and year-specific weather shocks. The third paper uses data from more than 20 SSA countries - collected through the Demographic and Health Surveys (DHS) and other surveys - to examine the spatial distribution of nutritional deprivation and its correlates, including poverty, market access, and agricultural potential.

Organizer: Beliyou A. Haile, International Food Policy Research Institute

Discussant: James R. Stevenson, Food and Agricultural Organization of the United Nations

Panel/Pseudo-Panel Analysis of Resilience to Weather Shocks: Multi-country Evidence from Africa South of the Sahara

Beliyou A. Haile, *International Food Policy Research Institute*; **Sara Signorelli**, *Paris School of Economics*; **Carlo Azzarri**, *International Food Policy Research Institute*; **Timothy L. Johnson**, *University of Florida*

Climate Change, Weather Shocks, and Rural Poverty in Africa South of the Sahara: A Spatial Analysis

Carlo Azzarri, *International Food Policy Research Institute*; **Sara Signorelli**, *Paris School of Economics*; **Melanie Bacou**, *International Food Policy Research Institute*

Analysis of the Spatial Distribution of Nutritional Deprivation and its Correlates in Africa South of the Sahara

Derek Headey, *International Food Policy Research Institute*; **Carlo Azzarri**, *International Food Policy Research Institute*; **Beliyou A. Haile**, *International Food Policy Research Institute*

2085 Performance and Challenges for U.S. Trade Free Agreement with Latin America: Do these Accords Need Improvements?

MI State, 6th floor

Track Session – LAS and Senior Sections

Recent public debate on U.S. trade policy has featured some questions and doubts about the benefits of free-trade agreements (FTAs) in general and the North American Free Trade Agreement (NAFTA) in particular. In addition to NAFTA, the United States has implemented several other FTAs with Latin American countries: the Central America-Dominican Republic Free Trade Agreement (CAFTA-DR) and FTAs with Chile, Peru, Panama, and Colombia. The session addresses the recent performance of these FTAs with respect to the agricultural and food sectors and potential issues that may call for improvements. The first presenter will focus on NAFTA from a U.S. perspective, the second will introduce a Mexican perspective, and the third presenter will examine U.S. FTAs with other Latin American countries. Finally, the discussant, an expert in U.S. FTAs, will summarize the key issues and capture the session's overall conclusions.

Organizer: Jaime E. Malaga, Texas Tech University

Discussant: Gary W. Williams, Texas A&M University

Prospects for U.S. Agriculture during NAFTA's Third Decade

Steven S. Zahniser, *USDA-Economic Research Service*

Twenty Years of NAFTA: The Mexican Perspective

Jaime Matus Gardea, *Colegio de Postgraduados Mexico*

US FTAs with Central and South American Countries: Are They Working?

Luis A. Ribera, *Texas A&M University*; **Jaime E. Malaga**, *Texas Tech University*

2086 Behavioral Insights from Environmental and Resource Economics and Resource Economics

Clark, 4th floor

Track Session – IBES and Senior Sections

This session focuses on research in environmental and resource economics that provides insights related to consumer behavior. Misperception of aspects of environmental and energy using goods can lead to systematic biases in consumer decision making. These papers seek to identify several types of misperception and provide policy implications.

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

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

Consumer Inattention in Energy Intensive Durables: New Evidence from the U.S. Appliance Market

Erica Myers, University of Illinois at Urbana-Champaign; **Sebastien Houde**, Stanford University

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

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

Climate Change, Flood Risk, and Property Values: Evidence from New York City

Matthew Gibson, Williams College; **Jamie Mullins**, University of Massachusetts Amherst; **Alison Hill**, Williams College

(Im)patience by Proxy: Making Intertemporal Decisions for Others

Sarah Jacobson, Williams College; **Angela De Oliveira**, University of Massachusetts

2087 Consumer Economics in China

Denver, 5th floor

Track Session – China Section

Chinese consumers' perceptions of biotechnology, eco-labels, country-of-origin labeling, and preservation methods are examined in this session.

Organizer: Yuqing Zheng, University of Kentucky

Consumers' Willingness-to-Pay of Different Pork Preservation Methods in Chinese Retail Market

Junhong Chen, Purdue University; **Junfei Bai**, China Agricultural University

A Crisis of Consumers' Trust in Scientists and Institutions: Development of Agricultural Biotechnology in China

Haiyan Deng, Ruyi Hu, Beijing Institute of Technology

Habit Spillovers or Induced Awareness: Willingness-to-Pay for Eco-Labels of Rice in China

Rui Mao, Zhejiang University; **Jiehong Zhou**, management school of Zhejiang university; **Qing Liu**, Zhejiang University; **Xiaohua Yu**, University of Göttingen

Coffee in China: Consumption, Country of Origin, Traceability, and Sustainable Production

Wuyang Hu, University of Kentucky; **Ping Qing**, Huazhong Agricultural University

2088 Empirical Estimation of Endogenous Social Effects: Spatial Spillovers, Social Networks, and Endogenous Choice *River North, 2nd floor*

Track Session – Econometrics Section

This session will focus on three papers that develop and/or apply econometric methods designed to estimate causal spatial spillovers, endogenous spillovers in social networks, and endogenous group decision making. The first paper develops a general class of spatial difference-in-difference methods, the second paper considers a dynamic spatial network model of happiness for a rich panel data of villagers in northwest China, and the third paper models endogenous choice equilibrium in the context of conservation easement contracts for grassland conversion.

Organizer: Michael Delgado, Purdue University

Moderator: Michael Delgado, Purdue University

Difference-in-Difference Techniques for Spatial Data

Shanxia Sun, Purdue University; Michael Delgado, Purdue University; Raymond J.G.M. Florax, Purdue University; Gianfranco Piras, Catholic University of America

Social Network Dynamics in Northeast China

Michael Delgado, Purdue University; Qianheng Chen, China Agricultural University

Conservation Easement Contracts Amidst Localized Spillover Effects in Grassland Conversions: Analysis Using Remotely-sensed Data

Gaurav Arora, Iowa State University; David A. Hennessy, Michigan State University; Hongli Feng, Michigan State University; Peter T. Wolter, Iowa State University

2089 Food Waste: Methodologies and Measurements

Cook, 3rd floor

Track Session – FSN Section

The impressive magnitude of food waste and loss at the retail and consumer levels alone-31% of all food, 1,249 calories/person-day, \$162 billion/yr., 7th biggest greenhouse gas source- has attracted policymakers. Seattle has made composting food waste mandatory, and the Food Recovery Act is currently before Congress. Policy decisions rely crucially on reliable measurement, but measurement is problematic across contexts. Three very different methodologies for measuring food waste will be presented with accompanying measurements, and compared. The first involves direct “dumpster diving” measurements of plate waste in school cafeterias. A second discusses the methodologies the ERS uses to measure food loss at both the retailer and consumer levels, emphasizing key challenges. The third estimates food waste by integrating a dynamic consumption model into a standard demand system to estimate the decay rates of foods, and indirectly, the amount wasted.

Organizer: Scott Colby, The Pennsylvania State University

Moderator: Scott Colby, The Pennsylvania State University

Discussant: Scott Colby, The Pennsylvania State University

Retail and Consumer Level Food Loss and Measurement Challenges

Jean C. Buzby, USDA-Economic Research Service

Examining the Change in Food Consumption and Waste in School Cafeterias from 2012-2014

Andrew Hanks, The Ohio State University; David R. Just, Cornell University; Brian Wansink, Cornell University

Measuring Food Waste: A Demand System Approach

Yunsi Chen, The Pennsylvania State University; Scott Colby, The Pennsylvania State University

2090 Innovative Approaches to Rural Community Economic Development

Great America I, 6th floor

Track Session – CRENET Section

Rural communities historically have higher rates of poverty than urban areas and, despite being hubs of agriculture, many rural communities are considered food deserts and fresh food can be hard to access. Even with high rates of poverty, not all who live in rural communities are poor and many social supports exist to ameliorate the effects of poverty. Middle-income rural residents, especially young people, are challenged by the lack of vibrancy and opportunities in their community. This session presents innovative approaches to rural community development, with particular focus on the economic and physical health.

Organizer: Jane M. Kolodinsky, University of Vermont

Addressing Root Causes of Poverty in a Rural Community: A Collaborative, Communitywide Approach

Erin Roche, *University of Vermont*; **Jane M. Kolodinsky**, *University of Vermont*

Innovative Alternative to Rural Development: Farm Fresh Food Boxes Provide Economic Opportunities and Healthy Food in Rural Communities

Jane M. Kolodinsky, *University of Vermont*; **Erin Roche**, *University of Vermont*

A Tri-partite Social-ecological Approach to Community Development: Technical Assistance, Train the Trainer, and Organizational Partnerships

Jane M. Kolodinsky, *University of Vermont*; **Mary Lynn Riggs**, *Vermont Center for International Learning Partners*; **Kenneth Hood**, *Vermont Center for International Learning Partners*

Empowering Rural Youth to Contribute to their Community's Vitality

Weimei Wang, *University of Vermont*; **Joy Dubin Grossman**, *University of Vermont*; **Danielle Shaw**, *University of Vermont*; **Hannah Harrington**, *University of Vermont*; **Erica Zimmerman**, *University of Vermont*

2091 Lending in Troubled Times: The Role of the Federal Farm Safety Net

Chicago Ballroom A, 5th floor

Track Session – AFM and ARA Sections

Credit conditions in the farm sector are deteriorating as farm income continues on a multi-year decline. Farmers and lenders often emphasize the importance of crop insurance and other farm programs for maintaining access to credit. This session expands on empirical research that shows a strong association between short term credit use and Federal crop insurance participation. To inform upcoming Farm Act negotiations, novel conceptual and methodological approaches will be used to consider: (1) a lender's perspective on crop insurance and the supply of credit; (2) the impact of novel farm programs on farm revenue, with implications for basis risk and farm financial status; and (3) long term implications of the relationship between credit access and crop insurance for farm financial status and survival. Robert Johansson, USDA Chief Economist, will serve as a discussant and draw research and policy implications.

Organizer: Jennifer E. Ifft, Cornell University

Moderator: Jennifer E. Ifft, Cornell University

Discussant: Robert C. Johansson, USDA-Office of the Chief Economist

Crop Insurance and the Supply of Agricultural Credit

Joshua D. Woodard, *Cornell University*

The Role of Basis Risk in Federal Crop Insurance Policies

Eric Belasco, *Montana State University*; **Joseph C. Cooper**, *USDA-Economic Research Service*

The Long-Term Financial Impacts of Federal Crop Insurance

Jing Yi, *Cornell University*; **Jennifer E. Ifft**, *Cornell University*

TUESDAY, 4:45 PM - 6:15 PM

2092 Economics of Legalization of Marijuana Sales: California Perspectives

McHenry, 3rd floor

Organized Symposium

Marijuana policy is a growing topic of discussion among economists. Marijuana laws across the US have been shifting toward legalization. The recent California vote on Proposition 64 (vote on legalization of adult use marijuana) splits legal marijuana sales into two segments, adult-use and medical. California was the first state to allow medicinal marijuana use 20 years ago. Since then, medical use of marijuana has been legal in California, but with no regulations. Beginning in January 1, 2018, these two, medical and adult-use segments of the California marijuana industry will be regulated in every aspect, from cultivation to retail. This proposed session focuses on how the segments of the California marijuana market adjust in response to the recent legalization and the implementation of regulations.

Organizer: Hyunok Lee, University of California, Davis

Cost and Market Relationships for Farm-level Marijuana: Evidence and Simulations of Legalization and Regulation

Duncan MacEwan, *ERA Economics*; **Claire Newman**, *ERA Economics*; **Richard E. Howitt**, *University of California, Davis*; **Jay Noel**

Retail Costs and Price Relationships for the Marijuana Market

Robin Goldstein, *University of Bordeaux*

Simulating Impacts of Legalization and Regulation of Marijuana on the Retail Market

Daniel A. Sumner, *University of California, Davis*; **Qianyao (Yolanda) Pan**, *University of California, Davis*; **Hyunok Lee**, *University of California, Davis*

2093 Agricultural Technology and Input Use in Developing Economies

Streeterville, 2nd floor

Selected Presentation – Lightning Session

This lightning session focuses on adoption of agricultural technology and practices as well as input use. Two papers look at the willingness to pay for quality seeds and diagnostic testing in livestock. Another paper estimates the impact of fertilizer use on grain management. One paper discusses the effect of a crop marketing board on the adoption of sustainable practices. One paper examines the factors influencing chicken producers to use on-farm feed. Another paper looks at the effect of moisture detection devices on post-harvest aflatoxin contamination. The last two papers focus on the role of cash/saving in technology adoption.

Do farmers Economically Value Different Quality of Seeds? Evidence from Willingness-to-pay Studies in Tanzania and Ghana

Mywish K. Maredia, *Michigan State University*; **Robert S. Shupp**, *Michigan State University*; **Edward Opoku**, *Michigan State University*; **Fulgence J. Mishili**, *Sokoine University of Agriculture*; **Byron A. Reyes**, *CIAT*; **Paul Kusolwa**, *Sokoine University of Agriculture*; **Francis Kusi**, *Savanna Agricultural Research Institute*

Diagnostic Testing and Vaccine Matching: FMD in Tanzania

Ashley F. Railey, *Washington State University*; **Thomas L. Marsh**, *Washington State University*

Agricultural Technology Adoption and Staple Price Risk in Kenya

Samuel S. Bird, *University of California, Davis*

Maize Marketing Boards and Sustainable Intensification: Panel Survey Evidence from Kenya

David W. Olson, *Michigan State University*; **Nicole M. Mason**, *Michigan State University*

How do Low-cost Moisture Detection Devices Influence Aflatoxin Spread? Evidence from Smallholder Households in Senegal

Stacy Prieto, *Purdue University*; **Jonathan Bauchet**, *Purdue University*; **Jacob Ricker-Gilbert**, *Purdue University*

Assessing the Impacts of Postharvest Storage Technology on Household Food Security: Experimental Evidence from Uganda

Oluwatoba J. Omotilewa, *Purdue University*; **Jacob Ricker-Gilbert**, *Purdue University*; **John H. Ainembabazi**, *Alliance for a Green Revolution in Africa*; **Gerald E. Shively**, *Purdue University*

Testing the Local Enumerator Approach for Farm Level Data Collection: The Case of Natural Resource Management Technology Adoption in India

Christopher Root, *Michigan State University*; **Mywish K. Maredia**, *Michigan State University*

2094 Resource and Environmental Policy Analysis

Michigan, 6th floor

Selected Presentation – Lightning Session

This session broaches various topics related to environmental policy.

Facility Emissions Under Emissions Intensity Regulation: Evidence from Alberta's Specified Gas Emitters Regulation
Deepak Rajagopal, University of California, Los Angeles; **Daniel H. Simon**, Indiana University Bloomington

Modeling Emission Reductions and Forest Carbon Sequestration in GTAP: Data Base and Model Improvements
Luis M. Pena-Levano, Purdue University; **Farzad Taheripour**, Purdue University; **Wallace E. Tyner**, Purdue University

Using Unobtrusive Sensors to Measure and Minimize Hawthorne Effects: Evidence from Cookstoves
Andrew M. Simons, Fordham University; **Theresa Beltramo**, United Nations High Commissioner for Refugees; **Garrick Blalock**, Cornell University; **David I. Levine**, University of California, Berkeley

Analyzing the Spatial Distribution of NRCS Conservation Practices
Alan R. Collins, West Virginia University; **Brianne R. Zimmerman**, West Virginia University

Effect of Crop Insurance on Cover Crop Adoption
Lawson Connor, North Carolina State University; **Roderick M. Rejesus**, North Carolina State University; **Scott Marlow**, Rural Advancement Foundation International-USA

2095 Agribusiness Management

Grace, 4th floor

Selected Presentation

This session focuses on managerial decision making at the farm level. Diversification and factors affecting farm success are discussed.

Prioritization of Farm Success Factors by Commercial Farm Managers
John Lai, Purdue University; **Nicole Widmar**, Purdue University; **David L. Ortega**, Michigan State University; **Michael A. Gunderson**, Purdue University; **David Widmar**, Purdue University

Farm Diversification as an Adaptive Capability: Examining the Resilience of Kansas Farms
Michael B. Lindbloom, Kansas State University; **Aleksan Shanoyan**, Kansas State University; **Terry W. Griffin**, Kansas State University

U.S. Farmers' Decision to Choose Direct Sales Channel: A Fractional Seemingly Unrelated Semiparametric Model
Krishna P. Paudel, Louisiana State University; **Timothy A. Park**, USDA-Economic Research Service; **Mahesh Pandit**, Louisiana State University

Analysis of Tillage and Cattle Grazing Effects on Profitability in a Dryland Wheat-Sorghum-Fallow Rotation: Should you own the cattle?
Mallory Kay Vestal, West Texas A&M University; **R. Louis Baumhardt**, USDA-Agricultural Research Service; **Bridget L. Guerrero**, West Texas A&M University; **Lal K. Almas**, West Texas A&M University

2096 Economic Analysis of Farm Management Decisions

Chicago Ballroom B, 5th floor

Selected Presentation

This sessions addresses factors which influence on-farm management decisions for crop, livestock and niche market production systems.

How Sweet Are Returns from Almond Pollination and Honey Production to Commercial Beekeepers? An Analysis of Returns to Beekeeping in the Northern Rockies

Mariah D. Ehmke, *University of Wyoming*; **Chian A. Jones Ritten**, *University of Wyoming*; **Buddhika P. Mallika Appuhamilage**, *Kansas State University*

Economic and Resource Conservation Perspectives of Direct Seeded Rice Planting Methods: Evidence from India

Ashok K. Mishra, *Arizona State University*; **Aditya R. Khanal**, *Tennessee State University*; **Valerien O. Pede**, *International Rice Research Institute*

Investment Analysis of Cover Crops and No-Tillage in Long-Term Cotton Production

Christopher M. Boyer, *The University of Tennessee, Knoxville*; **Dayton M. Lambert**, *University of Tennessee*; **James A. Larson**, *The University of Tennessee, Knoxville*; **Donald Tyler**, *The University of Tennessee, Knoxville*

An Agent-based Model Evaluation of Economic Control Strategies for Paratuberculosis in a Dairy Herd

Leslie J. Verteramo Chiu, *Cornell University*; **Loren W. Tauer**, *Cornell University*; **Mohammad A. Al-Mamun**, *Cornell University*; **Karun Kaniyamattam**, *Cornell University*; **Rebecca L. Smith**, *University of Illinois at Urbana-Champaign*; **Yrjo Grohn**, *Cornell University*

2097 Food and Agricultural Commodity Market Performance

Great America II, 6th floor

Selected Presentation

Different issues have the potential to impact the performance of food and agricultural commodity markets including inventories, thin trade, financialization and agricultural reports. The papers in this session discuss these issues with a focus on price volatility.

Too Much Information? How Relevant Are Agricultural Reports that Provide Similar Information?

Fabio L. Mattos, *University of Nebraska-Lincoln*; **Taylor T. Kaus**, *University of Nebraska-Lincoln*

The Effects of Private Stocks versus Public Stocks on Food Price Volatility

Jean-Paul Chavas, *University of Wisconsin–Madison*; **Jian Li**, *Huazhong Agricultural University; University of Wisconsin–Madison*

Price Determination and Margin Volatility in Thinly Traded Commodity Markets

Sharon Raszap Skorbiansky, *Economic Research Service*; **Michael K. Adjemian**, *USDA-Economic Research Service*; **Richard J. Sexton**, *University of California, Davis*; **Tina L. Saitone**, *University of California, Davis*

Identifying Financialization Impacts in Commodity Futures Markets

Lei Yan, *University of Illinois At Urbana-Champaign*; **Scott H. Irwin**, *University of Illinois at Urbana-Champaign*; **Dwight R. Sanders**, *Southern Illinois University*

2098 Environmental and Nonmarket Valuation - Methods II

Illinois, 6th floor

Selected Presentation

This session features methodological advances in valuing the environment and other goods and services not currently traded in markets. These papers focus on experimental methods of nonmarket valuation.

Private Costs for Environmental Goods Provision in a Development Context: Lab and Field Tests of a Novel Cost-relating Mechanism

Samuel D. Bell, Cornell University

The Effect of the Number of Alternatives in a Choice Experiment with an Application

Weizhe Weng, Virginia Tech; **Mark Morrison**, Charles Sturt University; **Kevin J. Boyle**, Virginia Tech; **Peter C. Boxall**, University of Alberta

Do Visual Representations Influence Survey Responses? Evidence from a Choice Experiment on Landscape Attributes of Green Infrastructure

Yau-Huo Shyr, The Pennsylvania State University; **Richard C. Ready**, Montana State University

The Presence of Hypothetical Bias within Spatial Decay and Charismatic Species: An Application of Monarch and Viceroy Butterflies

Jerrod Penn, University of Kentucky; **Wuyang Hu**, University of Kentucky

2099 Consumer Demand for Online Food Shopping

Indiana, 6th floor

Selected Presentation

Consumer shopping for food via online outlets is an emerging niche market. Papers in this session explore determinants of consumer demand for procuring food online such as customer reviews, convenience, quality and price. Results in this session also reveal the demographic makeup of online shoppers. Finally, a choice experiment is used to determine hypothetical bias in the context of online food shopping.

Chinese Preference for Online Grocery Shopping: Shopping for Convenience, Quality or Price?

Junhong Chen, Purdue University; **Qiujiu Zheng**, University of Alaska Anchorage; **Robin Zhang**, Cornell University; **Hong Holly Wang**, Zhejiang University and Purdue University

Clustering Online Shoppers and Explaining their Preferences for Ways to Receive Marketing Information about Local/Regional Fresh Produce

Dominique Gumirakiza, Western Kentucky University; **Stephen A. King**, Western Kentucky University; **Thomas Kingery**, Western Kentucky University

Exploring Hidden Factors behind Online Grocery and Food Shopping from Amazon Reviews: A Topic Mining Approach

Yan Heng, University of Florida; **Yuan Jiang**, University of Florida; **Zhifeng Gao**, University of Florida

2100 Crop Insurance

Iowa, 6th floor

Selected Presentation

Papers in this session deal with issues in the U.S. Federal Crop Insurance Program.

Role of APH Yield Endorsements on Input Demand in Crop Insurance

Lilyan E. Fulginiti, University of Nebraska; **Taro Mieno**, University of Nebraska-Lincoln; **Cory G. Walters**, University of Nebraska

The Geography and Psychology of Participation in U.S. Federal Crop Insurance Programs

Yuyuan Che, Michigan State University; **Hongli Feng**, Michigan State University; **David A. Hennessy**, Michigan State University

Factors Affecting 2014 Farm Bill Commodity Program Enrollment for Kansas Farmers

Mykel R. Taylor, Kansas State University; **Glynn T. Tonsor**, Kansas State University

Estimating Temperature Effects on the Cost of the Federal Crop Insurance Program

Edward Perry, Iowa State University; **Jisang Yu**, Kansas State University; **Jesse B. Tack**, Kansas State University

2101 Food Safety and Quality across the Supply Chain

Lakeview, 2nd floor

Selected Presentation

For presentations on the economics of food safety and quality along food supply chains. The topics covered include the occurrence of certain toxins, food safety practices and the U.S. Food Safety and Modernization Act.

The Impact of Bt Corn on Aflatoxin Occurrence

Jina Yu, Michigan State University; **Felicia Wu**, Michigan State University; **David A. Hennessy**, Michigan State University

Promoting Food Safety through Mycotoxin Awareness: Evidence from a Randomized Control Trial with Farmers in India

Pallavi Shukla, University of Illinois at Urbana-Champaign; **Hemant K. Pullabhotla**, University of Illinois at Urbana-Champaign; **Kathy Baylis**, University of Illinois at Urbana-Champaign

Food Certification Industry Capacity and Ability to Comply with FSMA Final Rule on Accredited Third-Party Certification

Julie A. Caswell, University of Massachusetts Amherst; **Kathryn A. Boys**, North Carolina State University; **Alyssa A. Danilow**, University of Massachusetts- Amherst; **Kathryn E. Lynch**, University of Massachusetts

2102 Food and Nutrition Security

Lincolnshire II, 6th floor

Selected Presentation

This session discusses household and household's member food and nutrition security and food aid. The first paper analyses the effects of linking women farmers to markets on household outcomes, including dietary diversity. The second paper explores the relationship between polygynous family structures and both household and individual food security outcomes. The third paper studies the causal effect of food aid on local production. The last paper discusses the relevance of integrating spatial data in the analysis and prediction of food crises.

Strengthening Nutrition and Improving Livelihoods through Linking Women Farmers to Markets

Paul E. McNamara, University of Illinois at Urbana-Champaign; **Han Bum Lee**, University of Illinois at Urbana-Champaign

Food Insecurity and Family Structure in Nigeria

Nkechi S. Owoo, University of Ghana; **Joanna B. Upton**, Cornell University; **Elizabeth R. Bageant**, Cornell University

Does U.S. Food Aid Crowd Out Local Food Production?

Simin Gao, University of Illinois at Urbana-Champaign; **Barrett E. Kirwan**, University of Illinois at Urbana-Champaign

An Approach to Improving Early Warning Systems: Using Spatially and Temporally Rich Data to Predict Food Insecurity Crises in Malawi

Erin C. Lentz, University of Texas, Austin; **Hope C. Michelson**, University of Illinois at Urbana-Champaign; **Kathy Baylis**, University of Illinois at Urbana-Champaign

2103 Natural Resource Economics - Forest Economics

MI State, 6th floor

Selected Presentation

Papers on Forest Economics; optimal timber management, wildlife damage from PES, bio-invasion externalities, optimal fire management

Optimal Timber Management Decisions in the Face of Future Uncertainties

Brent Sohngen, The Ohio State University; **Alla Golub**, Purdue University; **Yongyang Cai**, The Ohio State University; **Thomas W. Hertel**, Purdue University; **John Kim**, Pacific Northwest Research Station, USDA-Forest Service

Casual Estimates of Wildlife Damages from a Payment for Environmental Service (PES) Afforestation Program

Hongbo Yang, Michigan State University; **Frank Lupi**, Michigan State University; **Jindong Zhang**, Michigan State University; **Jianguo Liu**, Michigan State University

Managing Bio-invasion Externalities in Forests with Heterogeneous Landowner Preferences

Shadi S. Atallah, University of New Hampshire

Optimal Forest Fire Management with Applications to Florida

Ibtisam H. AlAbri, University of Florida; **Kelly A. Grogan**, University of Florida

2104 Production Economics: Drought and Irrigation Management

Ohio State, 6th floor

Selected Presentation

Availability of water either as precipitation or irrigation is a major factor in agricultural efficiency. Drought and other precipitation extremes also impact production risk. These papers present models and other advanced analyses that are of interest to agricultural decision makers.

Keeping Top-of-Mind: The Impact of Audio Phone Reminders on Kenya Farmers' Knowledge and Uptake of Drought Tolerant (DT) Maize

Tian Cai, Michigan State University; Charles Steinfeld, Michigan State University; Jennifer Olson, Michigan State University

Quantifying the Benefits of Supplemented Irrigation Due to Less Volatile Yields: A Prospect Theory Approach Applied to Summer Crops in Uruguay

Juan F. Rosas, Universidad ORT Uruguay; Mariana Sans, Centro de Investigaciones Economicas

Multicrop Production Decisions and Crop Irrigation Water Use Efficiency: Effects of Costs, Pressure Irrigation Adoption and Climate Variability

Yubing Fan, University of Missouri; Raymond E. Massey, University of Missouri; Seong C. Park, Texas AgriLife Research

Choice of Irrigated Corn or Grain Sorghum and Center Pivot or Subsurface Drip Systems in the High Plains of Oklahoma

Karthik Ramaswamy, Oklahoma State University; Arthur Stoecker, Oklahoma State University; Rodney D. Jones, Oklahoma State University; Jason Warren, Oklahoma State University; Saleh Taghvaeian, Oklahoma State University

2105 Session 2: Induced Innovation, Agrarian Structure, and Agricultural Productivity

Northwestern, 6th floor

Selected Presentation

Description: Paper presentations in this section emphasize innovation, farm size, and productivity. Three of the presentations focus on U.S. agriculture, while one looks at recent developments in China.

Productivity, Farm Size and Competitive Advantages of Small Farms: Evidence from the U.S. Dairy Industry

Shuwei Zeng, University of Wisconsin–Madison; Xiaodong Du, University of Wisconsin–Madison; Brian W. Gould, University of Wisconsin–Madison

Land Consolidation, Productivity and Technical Efficiency: Evidence from a Cross Section of Farm Households in China

Shen Cheng, China Agricultural University; Boris E. Bravo-Ureta, University of Connecticut; Zhibao Zheng, China Agricultural University; Hao Sun, Research Center for Rural Economy

Relative Competitiveness of Crop/Livestock Farms: A current perspective

Richard F. Nohring, USDA-Economic Research Service; Flavius Badau, USDA-Economic Research Service; Michael Harris, USDA-Economic Research Service; Kenneth W. Erickson, USDA-Economic Research Service

2106 Risk Perceptions, Attitudes and Preferences. What is their role in risk assessment?

Printers Row, 2nd floor

Selected Presentation

This session focuses on producer perceptions, attitudes and preferences and how that relates to production decisions.

Believing Yourself: Perceived Risk Taking Behavior and Risk Management Decision of Cotton Farmers' in Texas

Kishor P. Luitel, Angelo State University; Shyam Adhikari, Aon Benfield; Andrew P. Wright, Angelo State University; Michael D. Hudson, Texas Tech University; Thomas O. Knight, Texas Tech University

A Model of Overconfidence in Subjective Probabilities

Thomas W. Sproul, University of Rhode Island; Clayton P. Michaud, University of Rhode Island; Calum G. Turvey, Cornell University

Risk Attitudes of U.S. Agricultural Producers

Stephanie D. Rosch, USDA-Economic Research Service

Time Variant Risk Preferences in Agriculture: Evidences from Italy

Martina Bozzola, ETH Zurich; Salvatore DiFalco, University of Geneva; Robert Finger, ETH Zurich

2107 Water Quality Degradation and Market-Based Solutions

Minnesota, 6th floor

Track Session – ENV Section

This session contains three speakers who will discuss the causes of water quality degradation and economics-based solutions to curb degradation. A fourth speaker will discuss current knowledge gaps and promising directions for future research related to water quality.

Organizer: Matthew G. Interis, Mississippi State University

Moderator: Matthew G. Interis, Mississippi State University

From Global to Local: Understanding the Drivers of Nitrogen Fertilizer Use and Leaching in the United States

Thomas W. Hertel, *Purdue University*

Nutrient Pollution: A Wicked Challenge for Economic Instruments

James S. Shortle, *The Pennsylvania State University*; **Richard D. Horan**, *Michigan State University*

Linked Pollution Markets: A Solution to Low Participation and Trading?

Richard D. Horan, *Michigan State University*; **Cloe Garnache**, *Michigan State University*; **Carson Reeling**, *Western Michigan University*

A Bend in the River: New Directions for Water Quality Research

Scott M. Swinton, *Michigan State University*; **Madhu Khanna**, *University of Illinois at Urbana-Champaign*; **Kent Messer**, *University of Delaware*

2108 Using New Technologies to Advance Behavioral and Experimental Economics

Addison, 4th floor

Track Session – EXECON and IBES Sections

Behavioral and experimental economists are on the forefront of applying new technologies to important societal and individual research. This session brings together three of these technologies. The first study uses resonance Raman spectroscopy to measure skin carotenoids as a biomarker of fruit and vegetable consumption. This study assesses the dietary impact of cost-offset CSA membership for limited-resource households with children. The second study uses eye-tracking to investigate lexicographic decision making. Lexicographic decision strategies enable individuals to lower the burden of trading off all available information against each other. However, this comes at a cost given that preferred options might not receive adequate attention ultimately leading to utility loss. The third study integrates biometric responses including eye-tracking and electroencephalography to analyze potential improvements in predicting purchasing decisions for products.

Organizers: Carola Grebitus, Arizona State University; Jane M. Kolodinsky, University of Vermont

Discussants: Brandon R. McFadden, University of Florida; Christiane Schroeter, California Polytechnic State University

Using Resonance Raman Spectroscopy (RSS) to Measure the Effectiveness of a Cost-offset CSA Intervention to Reduce Childhood Obesity: Bridging the Gap between Economist's and Nutritionist's Measurement of Fruit and Vegetable Intake

Jane M. Kolodinsky, *University of Vermont*; **Rebecca Sequin**, *Cornell University*; **Emily Morgan**, *Cornell University*

Investigating Decision Strategies Using New Technologies: Identifying Lexicographic Decision Making via Eye Tracking

Carola Grebitus, *Arizona State University*; **Jutta Roosen**, *Technical University of Munich*

Using Biometrics to Improve the Prediction of Purchasing Decisions

Marco A. Palma, *Texas A&M University*; **Bachir Kassar**, *Texas A&M University*; **Michelle Segovia**, *Texas A&M University*

2109 Applying Economic Research to Benefit Cost Analyses: Examples from the U.S. Food and Drug Administration *Belmont, 4th floor*

Track Session – ARA and FSN Sections

This session identifies examples of how the FDA applies current economics research in food safety and nutrition to benefit/cost analyses. The aim is to provide examples of research we have used for previous regulatory impact analyses and discuss the potential for future research. In three presentations we show how 1) an estimated willingness-to-pay for calorie labeling was used to approximate the benefit of providing calorie-labeling at chain restaurants and other retail food establishments, 2) data from an economic analysis of trans-fat bans in several New York counties was key for the economic estimate of FDA's trans-fat ban, and 3) assessing the risk and impact of food contaminants is necessary to prioritize food safety research and support regulatory efforts.

Organizer: Janet G. Peckham, Food and Drug Administration

Moderator: Gabriel Movsesyan, Food and Drug Administration

Using Willingness-to-Pay for Nutrition Information to Estimate Benefits of Menu Labeling
Janet G. Peckham, *Food and Drug Administration*

Trans Fat Bans: The Laboratory of Federalism
Richard A. Bruns, *Food and Drug Administration*; **Aliya Sassi**, *Food and Drug Administration*

The Necessity of Creating Reliable, Transparent Burden Estimates for Acute Foodborne Illnesses in a Policy Setting
Angela Lasher, *Food and Drug Administration*

2110 Agricultural Extension in SSA: An Overview of New Approaches *Cook, 3rd floor*

Track Session – Africa and International Sections

Agricultural extension in Sub-Saharan Africa is in a critical period of transition. The traditional training-and-visit model is in decline and is being replaced by a demand and technology driven approach aiming to take on the main challenges in SSA's agriculture today: climate change, soil degradation and market access. In this session, we review the current state of extension and extension research and present new RCT, network and learning theory-based evidence on the effectiveness of a variety of extension approaches: (1) what constrains farmers' learning from demonstration plots and field days featuring ISFM technologies in Malawi? (2) how can extension agents structure information about the water use to increase water efficiency and reduce water conflicts in Mozambique? and (3) how can mobile phones in combination with the provision of phone directories reduce information costs and increase farmers' yield, profits and welfare in Tanzania?

Organizers: Annemie Maertens, University of Sussex; Hope C. Michelson, University of Illinois at Urbana-Champaign

How do Farmers Learn from Extension Services? Evidence from Malawi

Annemie Maertens, *University of Sussex*; **Hope C. Michelson**, *University of Illinois at Urbana-Champaign*; **Vesall Nourani**, *Cornell University*

Communication, Search, and Mobile Phones: A Telephone Directory Experiment in Tanzania

Brian Dillon, *University of Washington*; **Jenny C. Aker**, *Tufts University*; **Adalbertus Kamanzi**, *African Studies Center, Leiden*; **Joshua Blumenstock**, *University of California, Berkeley*

The Role of Evidence in Designing Innovative Approaches to Agricultural Extension and Rural Advisory Services

David J. Spielman, *International Food Policy Research Institute*; **Tanguy Bernard**, *International Food Policy Research Institute*; **Simrin Makhija**, *International Food Policy Research Institute*

Can Water Monitoring Influence Water Use, Improve Agricultural Productivity, and Reduce Conflict Within Schemes

Florence Kondylis, *World Bank*; **Paul Christian**, *World Bank*; **Valerie A. Mueller**, *International Food Policy Research Institute*; **Robert Naudascher**, *Hydrosolutions*; **Tobias Siegfried**, *Hydrosolutions*; **Astrid Zwager**, *World Bank*

2111 Analysis of Organic Supply Chains at the Retail, Production and Trade Levels

Chicago Ballroom A, 5th floor

Track Session – AEM and FAMPS Sections

The growth of organic industry in the U.S. has averaged almost 10% every year since 2010, which is more than three times the average annual growth of total food sales during that same period (OTA, 2015). However, domestic organic production is not keeping pace with organic demand. As a result, many food retailers are turning to imported organic products. Papers in this session look at the factors affecting the organic supply chain at the retail level, production, and trade. Using seven years of consumer scanner data, the first paper analyzes organic price premiums for 17 products. The second paper talks about organic premiums for farmland. The third paper describes the existent data sources to analyze organic trade which are employed in the fourth paper to analyze the effect of organic equivalency arrangements that have been adopted to facilitate organic trade.

Organizers: Iryna Demko, The Ohio State University; Edward C. Jaenicke, The Pennsylvania State University

Changes in Retail Organic Price Premiums from 2004 to 2010

Edward C. Jaenicke, *The Pennsylvania State University*; **Douglas H. Wrenn**, *The Pennsylvania State University*

The Price of Farmland: Does Organic Certification Matter?

Joseph Janzen, *Montana State University*; **Kate B. Fuller**, *Montana State University*

USDA's Organic Trade Data Sources and Insights

Bryce W. Cooke, *USDA-Economic Research Service*; **Gustavo C. Ferreira**, *USDA-Economic Research Service*

Gravity Model Analysis of the U.S. Organic Equivalency Arrangements

Iryna Demko, *The Ohio State University*; **Edward C. Jaenicke**, *The Pennsylvania State University*

2112 Agricultural Trade Policies beyond the WTO Pillars: A Focus on Key Sectors and Countries

Armitage, 4th floor

Track Session – COSBAE and CWAE Sections

In this session, we examine trade policies outside of the main areas covered by the WTO agreement on agriculture such as export competition (export subsidies and related issues), domestic support, and market access. The policies of interest include non-tariff measures (NTM), export taxes, and rules of origin.

Organizer: Andrew Muhammad, USDA-Economic Research Service

Moderator: Etaferahu Takele, University of California Cooperative Extension

Discussant: Etaferahu Takele, University of California Cooperative Extension

Non-tariff Measures: Assessment, Measurement, and Impact

Jason Grant, *Virginia Tech*; **Shawn Arita**, *USDA-Economic Research Service*

Implications of the Yarn Forward Rule of Origin in Pacific Rim Trade

Amanda (Leister) Countryman, *Colorado State University*; **Danielle Ufer**, *Colorado State University*

Export Taxes and Global Trade: A Focus on Soybean Import Demand in China

Andrew Muhammad, *USDA-Economic Research Service*; **Constanza Valdes**, *USDA-Economic Research Service*

2113 Challenges Impacting Economic Sustainability of Specialty Crops

Sheffield, 4th floor

Track Session/Lighting Session – LAS and SCE Sections

Specialty crop agriculture is crucially important in three dimensions, first to the economy, specialty crop agriculture is the economic backbone of numerous rural communities in the U.S., second to human health as they are a healthy source of vital nutrients to keep a healthy diet, and third to the landscape aesthetics and improvement of living conditions of our communities. The enhancement of the economic sustainability of specialty crops faces challenges, such as not advanced understanding of consumers' perceptions and values towards specialty crops quality attributes, high investment in time and resources to develop new specialty crops cultivars, high dependence on labor, continuous emergence of pests and diseases, among others. This lighting session will include 8 papers in which we demonstrate how our agricultural economics discipline contributes to lessening the severe impacts of different issues challenging the long term economic sustainability of various specialty crop industries.

Organizers: R. Karina Gallardo, Washington State University; Vicki A. McCracken, Washington State University; Chengyan Yue, University of Minnesota

Moderator: Vicki A. McCracken, Washington State University

Are All Colonies Created Equal? The Role of Honey Bee Colony Strength in Almond Pollination Contracts

Brittney K. Goodrich, University of California, Davis

What Attributes Do Sod Producers Value in Improved Cultivars? Using Conjoint Choice and Eye-tracking Technology to Identify Preferences

Candi Ge, Oklahoma State University; **Chanjin Chung**, Oklahoma State University; **Tracy A. Boyer**, Oklahoma State University; **Marco A. Palma**, Texas A&M University

Consumer Decisions under Risks - A Case Study of Community Supported Agriculture

Shuoli Zhao, University of Minnesota; **Chengyan Yue**, University of Minnesota

Analyzing Grower Risk Preferences - An Application of Prospect Theory

Chengyan Yue, University of Minnesota; **Shuoli Zhao**, University of Minnesota

Which One is of Greatest Concern to Specialty Crop Producers: Disease Resistance or Fruit Eating Quality? The Case of SE Peach and Fl Strawberry Growers

Zongyu Li, Washington State University; **R. Karina Gallardo**, Washington State University; **Vicki A. McCracken**, Washington State University; **Chengyan Yue**, University of Minnesota

Adoption of Mechanical Harvester Aids by the Blueberry Industry: Results from a Dynamic Optimization Approach

Ae Rin Jung; **R. Karina Gallardo**, Washington State University; **David Zilberman**, University of California, Berkeley

Modeling the Economic Impact of Pest Quarantine Programs - The Case of the Apple Maggot Quarantine Program in Washington State in Washington State

Yeon A Hong, Washington State University; **R. Karina Gallardo**, Washington State University; **Miguel I. Gomez**, Cornell University; **Shadi S. Atallah**, University of New Hampshire; **Xiaoli Fan**, Cornell University

Estimate Consumers' Preferences and Willingness to Pay for a Specialty Crop Novelty: Pre-packed Sliced Pears

Dila Ikiz, Washington State University; **R. Karina Gallardo**, Washington State University; **Vicki A. McCracken**, Washington State University

2114 A Toolbox for Early-Career and Future Extension Educators

Chicago Ballroom C, 5th floor

Track Session – EXT and GSS Sections

In recent years, there have been several academic positions with partial or full Extension responsibilities available on the job market. However, a growing number of graduate students feel under-informed on the duties associated with being an Extension economist. As such, graduate students and even young professionals are at a crossroads on how to be successful within an extension appointment. This panel will address expectations of new faculty in these positions, offer advice on Extension program development as well as measuring the success of an Extension program, how to collaborate with those outside of your current field and foster cross-discipline activities, along with the general “how-to” of being an Extension professor.

Organizer: Clinton L. Neill, Oklahoma State University

Views from a Department Head

Keith H. Coble, *Mississippi State University*

Managing Extension and Research Expectations

Glynn T. Tonsor, *Kansas State University*

Perspectives from an “Early-Career” Extension Economist

Becca B. R. Jablonski, *Colorado State University*

Extension Program Development

James R. Mintert, *Purdue University*

Utilizing Resources: Outside Funding Opportunities

Ronald L. Rainey, *University of Arkansas*

2115 Agribusiness, E-commerce, and Production Efficiency in China

Denver, 5th floor

Track Session/Lightning Session – China Section

This session discusses various issues in China's agribusiness and e-commerce, including the formation of tobacco village, National Singles Day, cooperatives, etc.

Organizer: Yuqing Zheng, University of Kentucky

Moderator: Jiaqi Qi, North Carolina State University

Do Farmers Gain Internet Dividends from E-commerce Adoption?

Xiaokang Li, Zhejiang University; **Hongdong Guo**, China Academy for Rural Development, Zhejiang University; **Yiwu Zeng**, Zhejiang University

Can the “National Singles’ Day” be a “National Food Safety Day:” Online Shopping and Food Safety

Ping Qing, Huazhong Agricultural University; **Yajuan Lu**, Nanjing Audit University; **Wuyang Hu**, University of Kentucky

Impact of Cooperatives on Farmers’ Safe Production Behavior: Evidence from Pig Sector in China

Chen Ji, Zhejiang University; **Chunhui Ye**, Zhejiang University; **Haitao Wang**, Heifei University of Technology; **Songqing Jin**, Michigan State University

The Formation of Taobao Village in China

Jiaqi Qi, North Carolina State University; **Xiaoyong Zheng**, North Carolina State University

Risk Preferences, Contracts, and Technology Adoption by Broiler Farmers in China

Hui Mao, Nanjing Agricultural University; **Li Zhou**, Nanjing Agricultural University; **Jennifer E. Ifft**, Cornell University

Reconciling Technical and Environmental Efficiency of Crop Farms in China with Multiple Detrimental Variables

Lingling Hou, Peking University; **Jikun Huang**, Peking University

Does Agricultural Training Improve Farmers’ Fertilizer Use Knowledge? Evidence from a Randomized Controlled Experiment in Chinese Rice Production

Dan Pan, Jiangxi University of Finance and Economics; **Ruiyao Ying**, Collage of Economic and Management, Nanjing Agricultural University; **Ning Zhang**, Jinan University; **Fanbin Kong**, Jiangxi Academy of Social Sciences

Peasants’ Willingness to Pay or Accept for the Land Renting Price in China - Market or Household Characteristics Affects More?

Fengbo Chen, South China Agricultural University; **Krishna P. Paudel**, Louisiana State University; **Wenbin Huang**, South China Agricultural University

2116 The Hard, Thin Line between Analysis and Advocacy

Clark, 4th floor

Track Session – FAMPS and Senior Sections

Many of us strive for our research to be policy relevant and to inform policy decisions. But the evolved dichotomy of objective science and social advocacy poses a difficult problem for the contemporary policy analyst. Just how far can one go in recognizing and incorporating aspects of social interests and partisanship without compromising scientific integrity, or in rigorously adhering to scientific theory without losing social relevancy? Clearly, satisfying a political audience, either as an advocate or an apolitical adviser, while meeting scientific standards as they have evolved to incorporate taboos against subjectivity, is a delicate balancing act. In this session we explore in a new policy climate the notions of normative versus positive analysis, humanism and scientific endeavor, the responsibilities of public servants, and the effect on the applied economics profession of different stances on the balance between analysis and advocacy.

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

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

Ethics and Policy Relevance in Applied Economics

Susan E. Offutt, Food and Agriculture Organization of the United Nations

Selling Your Work without Selling Out

Jayson L. Lusk, Purdue University

The Marriage of Science and Objectivity in Federal Research

Mary E. Bohman, USDA-Economic Research Service



2117 Rural Entrepreneurship in Times of Change

Great America I, 6th floor

Track Session – CRENET and EXT Sections

Recession, Natural Disasters, and Migrations create opportunities and challenges for entrepreneurship. This session explores how rural firms survive or persist through recessions, the role of community in recovery of businesses after Hurricane Katrina, exploring the relationship between resilient communities and businesses, the family resilience in the survival of family businesses, and how Latino entrepreneurs find opportunities due to changing demographics in the rural Midwest. These four studies analyze interactions of individual, with family and community, in development, and survival of entrepreneurship in times of change, and especially stress. What assets, characteristics, and nature of the source of change or stress impact on business success or demise.

Organizer: Georgeanne M. Artz, Iowa State University

Does the Rural Survival Advantage Persist in Times of a Recession?

Georgeanne M. Artz, Iowa State University

Community Capitals and Small Businesses after Hurricane Katrina

Maria I. Marshall, Purdue University; **Holly Schrank**, Purdue University

The Influence of Family Resilience on the Survival and Success of Family Business After Katrina

George W. Haynes, Montana State University; **Holly Schrank**, Purdue University; **Yoon Lee**, Utah State; **Sharon Danes**, University of Minnesota

The Role of Human Agency, Assets, Networks, and Context in Latino and Non-Latino Entrepreneurship in Changing Midwestern Towns

Corinne Valdivia, University of Missouri

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- 2026** Does Size Matter? Revisiting the Inverse Farm Size-productivity Hypothesis in Sub-Saharan Africa
- 2052** Food Prices and Price Volatility in Africa South of the Sahara
- 2084** Leveraging Big Data for Studying Resilience to Weather Variability, Sub-national Poverty, and Nutritional Deprivation in Sub-Saharan Africa
- 2110** Agricultural Extension in SSA: An Overview of New Approaches

AG FINANCE AND FARM MANAGEMENT

- 1003** Implications of “Big Ag Data” for the Agricultural and Applied Economics Profession
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- 2096** Economic Analysis of Farm Management Decisions
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- Posters** M01, M02, M03, M04, M05, M06, M07, M08, M09, M10, M11, M12, M13, M14, M15, M16, M17, M18, M20, M106, M109, M126, M131

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- 1077** Management in Tomorrow's Digital Agriculture
- 2030** U.S. Distillers' Grains Industry Analysis
- 2091** Lending in Troubled Times: The Role of the Federal Farm Safety Net

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- 2060** Risk Management Programs and the Next Farm Bill
- 2091** Lending in Troubled Times: The Role of the Federal Farm Safety Net
- 2109** Applying Economic Research to Benefit Cost Analyses: Examples from the U.S. Food and Drug Administration

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- 2034** Decision Making Under Uncertainty: Applications to Climate, Food Safety, Timber, and Wildlife

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- 2083** Beer versus Wine

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- 1070** Strategies for Writing Productivity and Publishing Success
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- 2112** Agricultural Trade Policies beyond the WTO Pillars: A Focus on Key Sectors and Countries

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- 2097** Food and Agricultural Commodity Market Performance
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- 1071** Using Climate Shocks to Estimate Early Human Capital Formation in Developing Countries
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- 2056** Identifying Supply- and Demand-Side Drivers of Farm Productivity
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- 2055** Using Retail and Household Panel Scanner Data in Research
- 2081** Food Fraud: Economic Analysis of Fraud in Supply Chains and Consumer Behavior Implications
- 2111** Analysis of Organic Supply Chains at the Retail, Production and Trade Levels
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- 2029** Food Waste in the United States: Historical Perspectives, Theory, and Empirical Evidence
- 2032** Physiological Measurement in Economics Experiments
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- Aadland, David M.**, University of Wyoming: **2034**
Abagyeh, Iveren, Nigerian Defence Academy: **1022**
Abdulai, Awudu, University of Kiel: **2014**
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Adalja, Aaron A., University of Maryland: **2034**
Adam, Brian D., Oklahoma State University: **2007**
Adekunle, Chioma Patricia, Federal University of Agriculture, Abeokuta: **2052**
Adhikari, Shyam, Aon Benfield: **2106**
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Agrawal, Arun, University of Michigan: **2009**
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Alem, Yonas, University of Gothenburg: **2032**
Algieri, Bernardina, University of Calabria: **2052**
Alhabash, Saleem, Michigan State University: **1043**
Alhassan, Mustapha, University of Nebraska-Lincoln: **1055**
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