

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

1032 Economic Drivers and Consequences of Large Food Retailers' Location

Provincetown, 4th Floor

Invited Papers

Changes in the retailing industry, including the emergence and triumph of large and non-traditional food retail formats—i.e. supercenters, wholesale clubs etc—have multiple implications. This invited session collects three contributions aiming to shed light on different aspects of the economics of large food store location. The first contribution uses an empirical model to measure the market threshold leading to consumers having more access to large food stores and testing the role of different policy levers. The second examines how the growth of supercenters may have an effect on the diet of the French consumers. The third evaluates the impact of stores closing and opening on housing value, using a specific case study.

Organizer: Alessandro Bonanno, Colorado State University

Moderator: Michele L. Ver Ploeg, USDA-Economic Research Service

Discussant: Michele L. Ver Ploeg, USDA-Economic Research Service
Economic Drivers of Large Food Stores Access in the U.S.

Alessandro Bonanno, Colorado State University; Rebecca L.O. Cleary, The Pennsylvania State University; Lauren Chenarides, The Pennsylvania State University; Stephan J. Goetz, The Pennsylvania State University

The Effect of Supercenters on Dietary Choices and Healthfulness of Food Purchases in France

Gayaneh S. Kyureghian, Korea University; France Caillavet, Institut National de la Recherche Agronomique; Adelaide Fadhuile, Grenoble Alpes University, - INRA GAEL; Rodolfo M. Nayga, University of Arkansas

Open-Close-Open: Evaluating the Effect of Changes in Food Access Options on Housing Prices. Evidence from New Haven, CT

Adam N. Rabinowitz, University of Connecticut; Elena Castellari, Università Cattolica del Sacro Cuore; Marcello Graziano, University of the Highlands and the Islands

1033 Policy Instruments, Conservation and Efficiency in Water and Energy

Boylston, 1st Floor

Organized Symposium

This session focuses on the impact of policy instruments aimed at inducing conservation or improving efficiency in the water and energy sectors.

Moderator: Jonathan Baker, Harvard University

Subsidies for Succulents: The Welfare Impacts of Las Vegas' Cash-for-Grass Rebate Program

Jonathan Baker, Harvard University

Energy Savings from Residential Building Codes: Evidence from Smart-Meter Data

Tianxia Zhou, University of California, Davis; Kevin Novan, University of California, Davis; Aaron D. Smith, University of California, Davis

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

Arbitrage-Free Pricing in Water Markets

Renata Rimsaite, The Pennsylvania State University; Karen Fisher-Vanden, The Pennsylvania State University; Sheila Olmstead, Resources for the Future

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

1034 Some Fundamental Determinants of Agricultural Growth

Arlington, 3rd Floor

Organized Symposium

Agricultural growth is fundamentally important for economic development and for poverty reduction. In turn, it depends on the evolution of agricultural productivity growth, and on the rate of economic growth in rich and poor countries. An important part of that growth process is the development of cities, which profoundly affects the demand for food and the supply of resources to agriculture. Another important influence on agricultural growth is the growth of agricultural trade. The four papers in this session bring new approaches to bear on each of these fundamental determinants of growth.

Moderator: Karen M. Brooks, International Food Policy Research Institute

The Rise and Fall of U.S. Farm Productivity Growth, 1910–2007

Julian M. Alston, University of California, Davis; Matthew A. Andersen, University of Wyoming; Philip G. Pardey, University of Minnesota

Economic Growth, Convergence and Global Food Prices

William J. Martin, International Food Policy Research Institute; Emiko Fukase, World Bank

Cities and Agricultural Transformation in Developing Countries

Johan F.M. Swinnen, University of Leuven

Trade Costs in International Agricultural Trade

Stephan Von Cramon, University of Göttingen

1035 Food and Agricultural Marketing

Salon B, 4th Floor

Selected Presentation – Lightning Session

Various topics in food demand, food marketing, food safety and technology.

Moderator: Kofi Britwum, University of Nebraska-Lincoln

Consumer Willingness to Pay for Food Safety Interventions: The Role of Message Framing and Involvement

Kofi Britwum, University of Nebraska-Lincoln; Amalia Yiannaka, University of Nebraska-Lincoln

The Impact of Adding In-Store Ancillary Services on Customer Behaviors and Retailer Profits

Simba Pasirayi, Arizona State University; Tariro Godza, Case Western Reserve University

Changing Dairy Consumption in an Emerging Economy: An Application of a Multivariate Two-Part Model

Shengfei Fu, University of Georgia; Wojciech J. Florkowski, University of Georgia

Can Non-Alcoholic Beer be a Substitute for Beer? Evidence from Differentiated Product Demand Model Estimation Using Scanner Data

Toru Nakajima, University of Tokyo

The Imperfect Price Responses of Orange Juice Demand in the U.S.

Hyeyoung Kim, University of Florida; Marisa L. Zansler, Florida Department of Citrus; Lisa A. House, University of Florida

A Global Perspective of Private Brands Success: The Role of Private Label Portfolio Strategies and Brand Similarity

Simba Pasirayi, Arizona State University; Tariro Godza, Case Western Reserve University

Do Mechanization and Commercialization Disempower Women Farmers? Panel Evidence from Malawi and Zambia

Takuji W. Tsusaka, International Crops Research Institute for the Semi-Arid Tropics

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

1036 Agribusiness Marketing

Salon C, 4th Floor

Selected Presentation – Lightning Session

This session discusses a range of issues related to agribusiness marketing.

Moderator: Ikhoon Jang, Seoul National University

Forecasting Agri-product Consumption using Keyword Volume Index from Search Engine Data

Ikhoon Jang, Seoul National University; Young-Chan Choe, Seoul National University

Detecting the Sources of Information Rigidity: A VAR Approach to Analyzing Forecast Smoothing in Soybean Forecasts

Stephen A. MacDonald, USDA-Economic Research Service; Mark S. Ash, USDA-Economic Research Service

A Network Perspective on Globalization and its Impact on the U.S. Commodity Markets

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

Assessing the Market Integration of Domestic and Imported Catfish in the U.S.

Xuan Chen, University of Maine; **Samuel B. Scuderi**, University of Maine

Consumer Preferences for Retail Channel and Beef Steak Attributes: Experimental Evidence from Argentinean Consumers

Florencia Colella, Michigan State University; **David L. Ortega**, Michigan State University

Consumers' Willingness to Pay for Locally Grown Produce: New Hampshire and Massachusetts

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

Analyzing Market Structure in the U.S. Food Retailing Industry Using TDLinx

Nestor M. Rodriguez, USDA-Economic Research Service

Futures Term Structure Based Unit Root Test for Agribusiness Crush Margins and Implications for Optimal Hedging Strategies

Ekaterina A. Vorotnikova, University of Idaho; **Marin Bozic**, University of Minnesota-Twin Cities; Joseph C. Cook, University of Idaho

1037 Common Pool Resources

Harvard, 3rd Floor

Selected Presentation

Papers in this session provide new insights on the use and management of common pool resources.

Moderator: Sherzod B. Akhundjanov, Washington State University

Multicountry Appropriation of the Commons, Externalities, and Firm Preferences for Regulation

Sherzod B. Akhundjanov, Washington State University

Modeling Endogenous Change in Water Allocation Mechanisms: A Non-Cooperative Bargaining Approach

Ashish Tyagi, The Pennsylvania State University; James S. Shortle, The Pennsylvania State University

Linking the Unlinked: Transboundary Water-Sharing Under Water-for-Leverage Negotiations

Shaikh M. Eskander, London School of Economics; Thorsten Janus, University of Wyoming; Edward B. Barbier, University of Wyoming

Long-Term Tradeoffs between Private and Social Objectives in the High Plains Aquifer

Juan Pablo Sesmero, Purdue University; Lilyan E. Fulginiti, University of Nebraska-Lincoln; Richard K. Perrin, University of Nebraska-Lincoln

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

1038 Rural Health and Healthcare

Hyannis, 4th Floor

Selected Presentation

Healthcare is a paramount concern globally. Rural areas face unique constraints to care availability and traditionally have poorer health outcomes. Two papers in this session address the availability of healthcare for rural residents and resultant health outcomes. The other two papers address health impacts related to two quintessential rural sectors: farming and oil and gas production.

Moderator: Chad D. Meyerhoefer, Lehigh University

Availability of Health Care Providers for Rural Texas Counties

Edward Osei, Tarleton State University; **Syed H. Jafri**, Tarleton State University; Steve Steed, Tarleton State University; Aeliya Jaffar, Cigna-HealthSpring

The Health Implications of Unconventional Natural Gas Development in Pennsylvania

Lizhong Peng, American Institutes for Research; **Chad D. Meyerhoefer**, Lehigh University; Shin-yi Chou, Lehigh University, National Bureau of Economic Research

Vigorous Physical Activity and Overweight? The Paradox of Farmworkers

Eivis Qenani, California Polytechnic State University; Soma Roy, California Polytechnic State University; Neal A. MacDougall, California Polytechnic State University

1039 International Agribusiness

Maine, 5th Floor

Selected Presentation

This session addresses networking, entrepreneurship, and contract farming in developing countries.

Moderator: Di Fang, Arizona State University

Variety Adoption among Farmers in a Network: The Case of Mozambique

Di Fang, Arizona State University; Timothy J. Richards, Arizona State University

Analysis of Agricultural Students in Sub-Saharan Africa Venturing into Self-employed Agribusinesses: Empirical Evidence from the University of Ghana

Eric M. K. Ofori, Mississippi State University; Yaw Osei-Asare, University Ghana

Impact of Contract Farming on Profits and Yields of Smallholder Farms in Nepal: Evidence from Lentil Cultivation

Anjani Kumar, International Food Policy Research Institute; Devesh Roy, International Food Policy Research Institute; P K Joshi, International Food Policy Research Institute; Gaurav Tripathi, International Food Policy Research Institute

1040 Environmental and Farm Management Incorporating Behavioral Insights

Massachusetts, 5th Floor

Selected Presentation

This session provides empirical behavioral insights into farm and environment management by considering a variety of issues including uncertainty, time, and spatial relationships.

Moderator: Sandip Agarwal, Iowa State University

Learning Spatiotemporal Management under Heterogeneous Damage and Uncertain Parameters: An Agent-Based Approach

Jason J. Holderieath, Colorado State University; Joleen C. Hadrich, Colorado State University

Spatial Dependence and Determinants of Dairy Farmers' Adoption of Best Management Practices for Water Protection

Wei Yang, University of Auckland

Unfolding the Bias in Farm Nitrogen Management

Sandip Agarwal, Iowa State University; Keri L. Jacobs, Iowa State University; Quinn Weninger, Iowa State University

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

1041 Storage and Inventory Decisions in Agricultural Markets

Nantucket, 4th Floor

Selected Presentation

This session examines agricultural market dynamics focusing on storage and inventory decisions.

Moderator: Brian D. Wright, University of California, Berkeley

“Negligible” Trends and the Empirical Interpretation of Commodity Prices

Brian D. Wright, University of California, Berkeley; Eugenio Bobenrieth, Pontificia Universidad Católica De Chile; Juan R.A. Bobenrieth, Universidad del Bio-Bio; Di Zeng, University of Arkansas

A Dynamic Model of U.S. Beef Cow Inventories

Yunhan Li, University of Georgia; J. Scott Shonkwiler, University of Georgia

Decomposing Local Corn Prices into Hedgeable and Unhedgeable Shocks

Kandice K. Marshall, USDA-Economic Research Service; Michael K. Adjemian, USDA-Economic Research Service; Jerrod Penn, University of Kentucky; Todd Hubbs, USDA-Economic Research Service

Structural Estimation of the Competitive Storage Model with Elastic Supply Using Data on Prices and Quantities

Christophe Gouel, Institut National de la Recherche Agronomique; **Nicolas Legrand**, Institut National de la Recherche Agronomique

1042 Methods in Valuing the Environment through Survey Design

New Hampshire, 5th Floor

Selected Presentation

The papers in this session address methodological aspects associated with valuing the environment through survey design.

Moderator: Jerrod Penn, University of Kentucky

Making the Most of Cheap Talk in an Online Survey

Jerrod Penn, University of Kentucky; Wuyang Hu, University of Kentucky

A Distribution Transition Method for Extreme Responses in Recreation Survey Data

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

Using a Spatial Error Latent Class Approach to Accommodate Willingness to Pay Hotspots

Danny Campbell, University of Stirling

Preference Elicitation Methods and Welfare Implications: Experimental Evidences from Valuation and Purchasing Water Quality Credits

Pengfei Liu, University of Connecticut; Stephen K. Swallow, University of Connecticut

1043 How Different Types of Credence Attributes Affect Consumer Preferences

Regis, 3rd Floor

Selected Presentation

These papers determine how product attributes that cannot be easily verified by consumers impact consumer preferences for goods. Different types of these credence attributes are considered across different goods and countries.

Moderator: Megan Waldrop, Washington State University

Impact of Organic, Sustainable, and Salmon-Safe Wine Making Practices on Wine Prices

Megan Waldrop, Washington State University; Jill J. McCluskey, Washington State University

The Meat of the Matter: A Choice Experiment to Understand Consumers' Valuation of Animal Welfare and Other Credence Claims in Fresh Meat Products

Lenka Malek, University of Adelaide, Women and Children's Health Research Institute; **Wendy J. Umberger**, University of Adelaide; Jill Windle, Central Queensland University; John C. Rolfe, Central Queensland University; Sven M. Anders, University of Alberta

Are Consumers' Preferences for Food Values in the U.S. and Norway Similar? A Best-Worst Scaling Approach

Claudia Bazzani, University of Arkansas; Geir W. Gustavsen, Norwegian Institute of Bioeconomy Research; Rodolfo M. Nayga, University of Arkansas; Kyrre Rickertsen, Norwegian University of Life Sciences

Profiling Private-Label Avoiders

Ronald B. Larson

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

1044 Attributes Influencing Beverage Consumption

Salon A, 4th Floor

Selected Presentation

This session focuses on factors influencing beverage and food demand and new methods for estimating demand models.

Moderator: Richard Carew, Agriculture and Agri-Food Canada

Segmenting California Wines in the British Columbia Wine Market: The Influence of Wine Attributes on Retail Wine Prices
Richard Carew, Agriculture & Agri-Food Canada; **Wojciech J. Florkowski**, University of Georgia; Ting Meng, University of Pennsylvania

Is Fair Trade Fair for Consumers? A Hedonic Analysis of U.S. Retail Fair Trade Coffee Prices
Xiaojin Wang, University of Kentucky; Yuqing Zheng, University of Kentucky

A Composite Demand Analysis for the Beverage Market
Yan Heng, University of Florida; Lisa A. House, University of Florida

The Impact of Nutrient Demand and Marketing Instruments on Intra-Category Substitution
Yi Xie, Arizona State University; Timothy J. Richards, Arizona State University

1045 Topics on Crop Insurance

Salon D, 4th Floor

Selected Presentation

Papers in this session examine the implications of U.S. federal crop insurance subsidies on U.S. agriculture.

Moderator: Joshua D. Woodard, Cornell University

Estimating Demand for Government Subsidized Insurance: Evidence from the U.S. Crop Insurance Program
Joshua D. Woodard, Cornell University

The Effect of Crop Insurance Premium Subsidies on Soybean Producers' Risk Management Portfolios
Ashley E. Hungerford, USDA-Economic Research Service; Stephanie D. Rosch, USDA-Economic Research Service

The Acreage Effects of the Premium Subsidy in the U.S. Federal Crop Insurance Program
Jisang Yu, University of California, Davis; Daniel A. Sumner, University of California, Davis

Upland Cotton Producers' Willingness to Participate in a BMP/STAX Pilot Program
Christopher N. Boyer, University of Tennessee; Kimberly L. Jensen, University of Tennessee; Elizabeth McLeod, Clemson University; James A. Larson, University of Tennessee

1046 Risk and Insurance in the Developing World

Salon H, 4th Floor

Selected Presentation

Papers in this session cover topics related to risk and insurance vis-a-vis shocks and technology adoption in less developed countries.

Moderator: Quentin Stoeffler, University of California, Davis

Insuring Farmer Groups: Impacts of a Cotton Area-Yield Insurance in Burkina Faso
Quentin Stoeffler, University of California, Davis; Michael R. Carter, University of California, Davis

Getting Ahead or Falling Behind? The Importance of Households' Ability to Manage Idiosyncratic Risk in Rural Ghana
Felix Naschold, University of Wyoming

Natural Disasters and the Family in Areas with High Levels of Insurance
Adan Silverio Murillo, University of Minnesota

Fit-Risk in Development Projects: Role of Demonstration in Technology Adoption
Moon Parks, University of California, Berkeley; **Sangeeta Bansal**, Jawaharlal Nehru University; David Zilberman, University of California, Berkeley

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

1047 Labor Supply and Outcomes in Developing Countries

Salon I, 4th Floor

Selected Presentation

Papers in this session deal with the cause and impact of different types of labor supply decisions in developing countries.

Moderator: Megan B. Sheahan, Precision Agriculture for Development

Disaggregated Labor Supply Implications of Guaranteed Employment in India

Megan B. Sheahan, Precision Agriculture for Development; Yanyan Liu, International Food Policy Research Institute; Sudha Narayanan, Indira Gandhi Institute for Development Research; Christopher B. Barrett, Cornell University

Participation in Non-Farm Work and Vulnerability to Food Poverty of Households in Northern Ghana

Yacob A. Zereyesus, Kansas State University; Weldensie T. Embaye, Kansas State University; Francis Tsiboe, University of Arkansas; Vincent Amanor-Boadu, Kansas State University

Early Fertility and Labor Market Segmentation: Evidence from Madagascar

Kira M. Villa, University of New Mexico; **Catalina Herrera Almanza**, Northeastern University; David Ezra Sahn, Cornell University

The Impact of Emergency Food Aid on Children's Schooling and Work Decisions

Nzinga H. Broussard, USDA-Economic Research Service; Robert Poppe, Deutsche Gesellschaft fuer Internationale Zusammenarbeit; Tsegay G. Tekleselassie, University of Sussex

1048 Sanitary and Phytosanitary Measures in Agricultural Trade

Salon J, 4th Floor

Selected Presentation

This session focuses on sanitary and phytosanitary measures, food safety standards, and their effects on international agricultural markets. The analyses are relevant to stakeholders as well as policy makers in agri-food sectors.

Moderator: Jada Thompson, Colorado State University

A System Approach for Three-Dimensional Panel Data to Estimate Poultry Trade Impacts due to Animal Disease Outbreaks

Jada Thompson, Colorado State University; Dustin L. Pendell, Kansas State University

Revealed Concerns: A New Look at the Impact of Sanitary and Phytosanitary Measures on Agri-Food Trade

Jason Grant, Virginia Tech; Shawn Arita, USDA-Economic Research Service

Evaluating the Stringency of Maximum Residue Limits: U.S. Exports of Fruits and Vegetables to the EU and TPP Markets

Mina Hejazi, Virginia Polytechnic Institute & State University; Jason Grant, Virginia Tech; Everett B. Peterson, Virginia Tech

Analysis of the Food Safety Standards Impact on Quality Upgrading

Jihyun Eum, The Ohio State University; Stanley R. Thompson, The Ohio State University

1049 Economics of Biofuels

Salon K, 4th Floor

Selected Presentation

This session examines economic and environmental aspects of biofuels production

Moderator: David Zilberman, University of California, Berkeley

Corn Ethanol and U.S. Biofuel Policy Ten Years Later: A Systematic Review and Meta-Analysis

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

Identifying the Factors Causing the Coupling of Renewable Identification Number Prices and the Consequences

Evan L. Markel, University of Tennessee; Dayton M. Lambert, University of Tennessee

Quantifying Breakeven Price Distributions in Stochastic Techno-Economic Analysis: A Case of Cellulosic Biofuel Production from Fast Pyrolysis and Hydroprocessing Pathway

Xin Zhao, Purdue University; Guolin Yao, Purdue University; Wallace E. Tyner, Purdue University

A Re-Examination of "Land Price Volatility in a Geographically Dispersed Market": Ethanol, Market Change, and New Methods

Jeffrey S. Young, Purdue University; James K. Binkley, Purdue University; Raymond J.G.M. Florax, Purdue University

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

1050 The Livestock Sector: Topics on Health and Productivity

Tremont, 1st Floor

Selected Presentation

This session covers topics related to health and productivity in the livestock sector in the United States and the European Union.

Moderator: Elliott J. Dennis, Kansas State University

Eliminating Arrival Antibiotic Treatment Economic Impacts on U.S. Feedlots

Ted C. Schroeder, Kansas State University; **Elliott J. Dennis**, Kansas State University; David G. Renter, Kansas State University

Using a Portfolio Approach to Evaluate Animal Health Surveillance Portfolios in the United States

Kamina K. Johnson, USDA-Animal and Plant Health Inspection Service; Maria C. Antognoli, USDA-Animal and Plant Health Inspection Service; Sara C. Ahola, USDA-Animal and Plant Health Inspection Service; Lori L. Gustafson, USDA-Animal and Plant Health Inspection Service; Matthew A. Branam, Colorado State University; Marta D. Remmenga, USDA-Animal and Plant Health Inspection Service; Rebecca D. Jones, USDA-Animal and Plant Health Inspection Service; Kathleen A. Orloski, USDA-Animal and Plant Health Inspection Service; David J. Hsi, USDA-Animal and Plant Health Inspection Service

Do Nutrient Management Plans Actually Manage Nutrients? Evidence from a Nationally-Representative Survey of Hog Producers

Stacy E. Sneeringer, USDA-Economic Research Service; Shirley Pon, University of Maryland

Deregulation and Productivity – Empirical Evidence on Dairy Production

Fabian Frick, Technical University of Munich; Johannes Sauer, Technical University of Munich

1051 Climate Variability and Drought Impacts on U.S. Agricultural Production

Vermont, 5th Floor

Selected Presentation

This session is related to climate change impacts on U.S. agricultural production.

Moderator: Edward Osei, Tarleton State University

The Predictive Content of Climate Anomalies for Agricultural Production: Does ENSO Really Matter?

David Ubilava, University of Sydney; **Jan A. Orlowski**, University of Sydney

Crop Competitiveness and Future Climate Change in the Northern Great Plains

Gaurav Arora, Iowa State University; Hongli Feng, Michigan State University; **David A. Hennessy**, Michigan State University; Christopher Anderson, Iowa State University

An Alternative Approach to Measuring Drought in the Corn Belt

Raymond J. Supalla, University of Nebraska-Lincoln; Bruce Johnson, University of Nebraska-Lincoln; **Anil Giri**, University of Central Missouri

Climate Change impacts on Agricultural Production and Farm Incomes in Texas

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

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

1052 Modeling Space and Time in Agricultural Economics

Yarmouth, 4th Floor

Selected Presentation

Research continues to recognize the importance of spatial and temporal dynamics in all areas of applied economic research. These papers develop applications of spatial and time-series models to several exciting areas of applied research.

Moderator: Eunchun Park, Oklahoma State University

Using Bayesian Spatial Smoothing and Extreme Value Theory to Develop Area-Yield Crop Insurance Rating

Eunchun Park, Oklahoma State University; Wade Brorsen, Oklahoma State University; Ardian Harri, Mississippi State University

Comovements and Volatility Spillovers in Commodity Markets

Sibong Chen, Texas A&M University; Ximing Wu, Texas A&M University

Generalization of the Efficiency Gains in Commodity Forecasting using Disaggregated Levels v.s. More Aggregated Predictions in Multiple Time Series

Luis M. Pena-Levano, Purdue University; Kenneth A. Foster, Purdue University

Spatial Convergence of U.S. Obesity Rates and its Determinants

Xun Li, Wuhan University; **Rui Wang**, Tulane University

1053 Renewable Energy

Columbus 1, 1st Floor

Selected Presentation

This session addresses the role that policies play in creating incentives for both producers and consumers of renewable energy. Presentations focus on biofuels and solar technology.

Moderator: Elena Dulys, Michigan State University

What Drives the Potential Supply of Timber Residues from Private Lands in the Northern Tier of the Great Lakes?

Elena Dulys, Michigan State University; Sarah S.H. Klammer, Michigan State University; Scott M. Swinton, Michigan State University

The Economic Cost of Including the Indirect Land Use Factor in Low Carbon Fuel Policy: Efficiency and Distributional Implications

Madhu Khanna, University of Illinois at Urbana-Champaign; Weiwei Wang, University of Illinois at Urbana-Champaign

Land Use Change Impact of Renewable Fuel Standard: Evidence from Changes in CRP Re-Enrollment

Jennifer E. Ifft, Cornell University; **Deepak Rajagopal**, University of California, Los Angeles; Ryan Weldzius, University of California, Los Angeles

1054 Not Your Grandparents' Farm Bill (or Does the U.S. Farm Bill Still Matter?)

Clarendon, 3rd Floor

Track Session – Extension and Senior Sections

The 2014 Farm Bill was touted by the White House as “Not Your Father’s Farm Bill.” It eliminated direct and counter-cyclical payments and reformed the federal crop insurance program, according to the White House statement. However, a closer look reveals a new suite of safety-net programs, and the expansion of federal crop insurance and disaster assistance programs. Other titles saw only modest changes, for example, to food stamp eligibility criteria and to the budget caps for conservation easements. Is the new bill really a novel approach to farm policy; or more of the same incremental change we’ve observed for decades? Significantly reformed or not—is the farm bill relevant for today’s complex and diverse agricultural and food system? The participants in this panel discussion will be invited by the moderators to address these and other questions in a lively, interactive discussion.

Organizers: Nicole Susan Ballenger, University of Wyoming; Neilson C. Conklin, Farm Foundation

Moderators: Nicole Susan Ballenger, University of Wyoming; Neilson C. Conklin, Farm Foundation

Panelists: John Hardin, Hardin Farms, Indiana; Bradley D. Lubben, University of Nebraska-Lincoln; Alexander F. McCalla, University of California, Davis

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

1055 Agri-Food System and Structural Transformation in Africa

Dartmouth, 3rd Floor

Track Session – Africa Section

Africa's population is projected to reach approximately two billion people by 2050. The continent's recent economic transformation and the increasing middle class has engendered food demand similar to trends elsewhere. To meet changing food needs, Africa's agri-food sector needs a systems' transformation. As agricultural productivity increasingly release labor to other sectors, the sector's ability to accommodate the adoption of new technologies must be enhanced, challenging existing tenural systems and their influence on access to credit, which together challenge agriculture's attractiveness as a career option for young people. The aforementioned factors jointly and independently influence power distribution at all levels in Africa, with the potential to affect national security because of people's food and nutrition security. This track session presents a panel exploring the interconnections among the foregoing challenges and innovative opportunities for future research to influence policymaking.

Organizers: Awudu Abdulai, University of Kiel; Vincent Amanor-Boadu, Kansas State University; Nicole M. Mason, Michigan State University

Moderator: Nicole M. Mason, Michigan State University

Discussants: Awudu Abdulai, University of Kiel; Vincent Amanor-Boadu, Kansas State University

African Economic Transformation from the Bottom Up

Margaret Mcmillan, International Food Policy Research Institute

Africa's Evolving Employment Structure: Trends and Implications for Youth Livelihoods in Agriculture

Felix K. Yeboah, Michigan State University

Agriculture, Inclusive Growth, and National Stability: Exploring the Nexus between Food Security and National Security

Adesoji O. Adelaja, Michigan State University

1056 Using Experimental Economics to Offer Insight into Ethical and Environmental Issues

Exeter, 3rd Floor

Track Session – Experimental Economics Section

Ethical and environmental issues such as animal welfare and environmental sustainability are becoming more and more important. It is vital to understand drivers of consumer choice as it relates to these issues. This session provides evidence from a choice experiment regarding consumer demand for eggs from animal welfare enhanced production systems. Furthermore, an online choice study is used to understand how perceptions of various production issues, such as animal welfare, influence consumer valuation of fluid milk attributes. In addition, environmental sustainability is highlighted investigating consumers' willingness to pay for pollinator-friendly landscape plants and implications for ornamental horticulture industry. Finally, an online choice experiment drawing on data from multiple large urban areas in the United States is used to study consumer preferences for produce from grocery stores versus produce from farmers' markets and urban gardens.

Organizers: Jessica Y. Cao, University of Guelph; Hayk Khachatryan, University of Florida

Moderator: Antonios Printezis, Arizona State University

Investigating the Precedence-Dependent Order Effects within Repeated Round of Choice Experiments—the Example of Animal Welfare

Jessica Y. Cao, University of Guelph; John Cranfield, University of Guelph

Perception of Fluid Milk Production Practices on Animal Welfare and Environmental Attribute Willingness to Pay

Benjamin L. Campbell, University of Georgia; Adam N. Rabinowitz, University of Connecticut; Yizao Liu, University of Connecticut; Qiushuo Yu, University of Connecticut

Experimental Evidence on Consumers' Willingness to Pay for Pollinator-Friendly Landscape Plants

Hayk Khachatryan, University of Florida; Alicia Rihn, University of Florida; Ben Campbell, University of Connecticut; Chengyan Yue, University of Minnesota; Charles Hall, Texas A&M University; Bridget Behe, Michigan State University

I'm Naturally Biased! Preferences for Local Food Depending on the Point of Sale

Iryna Printezis, Arizona State University; Carola Grebitus, Arizona State University; Antonios Printezis, Arizona State University

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

1057 Building Management Capacity for American Indian Agricultural Businesses

Fairfield, 3rd Floor

Track Session – Extension Section

This session will discuss the approaches taken to address issues unique to Indian Country when conducting Extension programming related to agriculture entrepreneurship. We will discuss train-the-trainer programs and support for agriculture professionals that are located on reservations and have experience working with American Indian farmers and ranchers. These professionals include Federally Recognized Tribal Extension Program (FRTEP) agents, 1994 Tribal Colleges Extension professionals, and non-profit organizations in Indian Country.

Organizer: Kynda R. Curtis, Utah State University

Panelists: Kynda R. Curtis, Utah State University; Ruby A. Ward, Utah State University

1058 New Frontiers in Applied Risk Analysis

Simmons, 3rd Floor

Track Session – ARA Section

This session will present frontier research in applied risk analysis; all papers use cutting-edge empirical methods.

Organizer: Marc F. Bellemare, University of Minnesota

Discussant: David R. Just, Cornell University

Do Producers Follow Bayes' Rule? Empirical Evidence on Price Risk Ambiguity

Yu Na Lee, University of Minnesota; Marc F. Bellemare, University of Minnesota; David R. Just, Cornell University

Shortcomings of Exactly Identified Preferences Elicitations

Thomas W. Sproul, University of Rhode Island; Clayton P. Michaud, University of Rhode Island

1059 How do You Choose Your Food? Insights from Behavioral Economics

St. Botolph, 2nd Floor

Track Session – FSN and IBES Sections

Behavioral economics provides a framework for understanding individual behavior, including behavior that may be viewed as suboptimal from both a public health perspective and an individual point of view—behavioral anomalies; irrationality. Behavioral economics complements traditional economic theory to help explain obesity rates and other dietary-related diseases by considering how environmental, contextual, and cognitive factors affect choice. This session highlights behavioral aspects of healthy food choices by discussing whether incentive-based health programs, mediated by social network effects, successfully promote improved diet quality outcomes. Furthermore, the effectiveness of a culturally relevant healthy food label is tested, focusing on minority groups with higher rates of diet-related health problems than the general U.S. population. In addition, a field experiment examining the impact of attractive displays for vegetables on produce choice at a Food Bank is presented. Finally, an eye-tracking experiment investigating the role of brands on willingness-to-pay for beverages is discussed.

Organizers: Carola Grebitus, Arizona State University; Karen E. Lewis, University of Tennessee

Moderator: Christiane Schroeter, California Polytechnic State University

Empirical Analysis of an Incentive-Based Health Program with College Students

Christiane Schroeter, California Polytechnic State University

Impact of Culturally Relevant Healthy Food Labels on Food Choice on the Rosebud Reservation

Christopher R. Gustafson, University of Nebraska-Lincoln; Matt Perlinger, University of Nebraska-Lincoln

What's Behind Door Number Three? Effect of Behavioral Economic Nudges at a Food Shelf on Fruit and Vegetable Consumption of Clients

Erin Roche, University of Vermont; Jane M. Kolodinsky, University of Vermont; Michelle Wallace, Vermont Foodbank

How Important are Brands in the Food Market Space? Disentangling the Effects of Attention on Consumer Valuation of Branded versus Unbranded Products using Eye Tracking

Carola Grebitus, Arizona State University; Karen E. Lewis, University of Tennessee; Rodolfo M. Nayga, University of Arkansas

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

1060 How Regional Economics Has Changed and What We Learned

Suffolk, 3rd Floor

Track Session – CRENET Section

With the Rural Development Act of 1972, funding and priority of rural economic and development teaching, research, and extension activities increased. The 1972 Act also created the Regional Rural Development Centers which have coordinated regional community and economic development activities. During this same time period, many land grants invested in rural community and economic development by hiring, teaching, research, and extension faculty in this area. Currently many of these faculty are actually or contemplating retirement which mean a new cohort of community and economic development faculty will be working in this area. With these large retirements and hires, the issue of knowledge transmission has become a point of interest. This session will have three speakers addressing development of teaching, research, and extension programs in community and economic development and problems that arose and were addressed. Two new faculty members will address maintaining programs that have historically been successful and identify new opportunities for community and economic development teaching, research, and extension programs.

Organizer: Thomas R. Harris, University of Nevada, Reno

Moderator: Steven C. Deller, University of Wisconsin

Presenters: Rebekka M. Dudensing, Texas A&M AgriLife Extension Service; Thomas R. Harris, University of Nevada, Reno; Paul A. Lewin, University of Idaho; Bruce A. Weber, Oregon State University; Michael D. Woods, Oklahoma State University

1061 Environmental Effects of Shale Gas Fracking

Vineyard, 4th Floor

Track Session – ENV Section

The increase in hydraulic fracturing to produce shale gas has led to several environmental concerns regarding its impact on water consumption and water quality and its consequences for local residents. This session will include four papers that will present analysis quantifying the water quantity and quality effects of fracking, its implications for drinking water use decisions and on property values in the affected areas.

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

The Effects of Unconventional Oil and Gas Development on Agriculture

Yusuke Kuwayama, Resources for the Future (RFF); Timothy Fitzgerald, Texas Tech University; Sheila Olmstead, University of Texas-Austin; Alexandra Thompson, Resources for the Future (RFF)

No Country for Mineral Rights: A Hedonic Valuation of Tight Gas Development in Colorado

Corey Lang, University of Rhode Island; Andrew J. Boslett, University of Rhode Island; Todd Guilfoos, University of Rhode Island

Unconventional Shale Gas Development, Risk Perceptions, and Averting Behavior

Allen Klaiber, The Ohio State University; Douglas H. Wrenn, The Pennsylvania State University

The Effects of the Natural Gas and Oil Boom on Water Use in the U.S.

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

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

1062 Learning Objectives Compared to Actual Learning

Wellesley, 3rd Floor

Track Session – TLC Section

This session explores the educational value of undergraduate agribusiness and agricultural economics education. Senior students at Colorado State University and California Polytechnic State University were given the same comprehensive, two-hour assessment designed to test knowledge and skills in agricultural economics, finance, marketing and policy, as well as written communication skills. To test the value gained by the four-year curriculum, first-quarter freshmen at both institutions were provided the same assessment. Initial data collected in Spring and Fall 2015 indicate very revealing differences as well as some striking similarities between the seniors and freshmen performance. Further data collection is ongoing with final results expected in June 2016. We will also report new results on a 2015 assessment of undergraduate research experiences that surveyed alumni from six universities with agribusiness/agricultural economics and economics programs.

Organizers: Lynn L. Hamilton, California Polytechnic State University; Gregory M. Perry, Colorado State University

Discussant: Jay Noel, California Polytechnic State University

Panelists: Lynn L. Hamilton, California Polytechnic State University; Leah G. Mathews, University of North Carolina at Asheville; Gregory M. Perry, Colorado State University

1063 Evaluating Trade Performance in Agriculture

Berkeley, 3rd Floor

Track Session – COSBAE and International Sections

Global livestock, meat, grains and oilseeds consumption and trade have risen steadily, driven on the demand side, by rising incomes and expanding populations, and on the supply side by increased feed availability, technological change, changing industry structure, and improvement in transportation, and other value-adding technologies. At the same time, a number of trade agreements have facilitated further expansion of U.S. agricultural exports. In the last 50 years, U.S. presence in animal products, feed grains and oilseed trade have seen dramatic changes. Markets that were once predominantly import-oriented markets have begun to export significant amounts of products. Understanding the drivers of these changes could be beneficial to informing agricultural trade policy. The objective of this session is to explore the changes in trade openness and competitiveness in U.S. and global livestock, grains and oilseeds in light of the existing and ongoing bilateral and multilateral trade agreements.

Organizers: Keithly G. Jones, USDA-Economic Research Service; Ivan T. Kandilov, North Carolina State University

Moderator: Keithly G. Jones, USDA-Economic Research Service

Presenter: Lurleen M. Walters, Mississippi State University

Overview of the U.S. Agricultural Trade Performance

Ivan T. Kandilov, North Carolina State University

Revealed Comparative Advantage of U.S. Livestock, Grain and Oilseed Commodities

Lorraine S. Mitchell, USDA-Economic Research Service; Shelbi Knisley, USDA-Economic Research Service; Andy Jerardo, USDA-Economic Research Service

Trade Performance in the Livestock Sector

Seanicaa E. Edwards, USDA-Economic Research Service; Alex Melton, USDA-Economic Research Service; Joseph G. Cessna Jr., USDA-Economic Research Service MTED APCOP; Mildred M. Haley, USDA-Economic Research Service; Sean Ramos, USDA-Economic Research Service