

**Northeastern Agricultural and Resource Economics Association/Canadian Agricultural
Economics Society Joint Annual Meeting**

June 28-30, 2015

Hotel Viking, Newport, Rhode Island

SUNDAY, JUNE 28, 2015

- 9:00 am – 8:00 pm **Registration for Annual Meeting, Salon AB Foyer**
10:00 am – 1:00 pm **NAREA Executive Board Meeting, Salon D** - Executive board members and invitees only
12:00 pm – 3:00 pm **CAES Board Meeting, Salon E** - Board members and invitees only
6:00 pm – 7:00 pm **NAREA Past-Presidents' Roundtable, Colonnade Room** - Open to past presidents others by invitation only
7:00 pm – 9:00 pm **Welcome Reception, Bellevue Room**

MONDAY, JUNE 29, 2015

- 7:30 am – 6:00 pm **Registration for Annual Meeting, Salon AB Foyer**
7:30 am – 8:30 am **Continental Breakfast, Foyer**
8:00 am – 9:00 am **NAREA Career Advancement and Mentoring Program Breakfast, Colonnade Room** - By Invitation Only

9:00 am – 10:15 am **NAREA Keynote Plenary, Salon CDE**
Title: "From the Adirondacks to Beijing: One Economist's Journey"
Dr. Dan Dudek, Environmental Defense Fund (EDF)
Moderator: Martin D. Heintzelman, Clarkson University, NAREA President-Elect

9:00 am – 10:15 am **CAES Plenary Session, Salon AB**
Presidential Address: **Derek Brewin**, University of Manitoba, "Competition in Canada's Agricultural Value Chains; The Case of Grain"
Fellow Address: **Wiktor Adamowicz**, University of Alberta, "Economic Analysis and Species at Risk: Lessons Learned and Future Challenges"
Moderator: Maurice Doyon, Université Laval, CAES President

- 10:15 am – 10:30 am **Morning Break, Viking Foyer**
10:30 am – 12:00 pm **SELECTED PAPER SESSIONS 1.a – 1.g**

12:30 pm – 1:30 pm **NAREA Awards Luncheon, Salon CDE**
NAREA Award for Outstanding Public Service through Economics
Recipient: **Stephan Goetz**, Pennsylvania State University, "The Role of Agricultural Economists in Food Systems Research"
Introduced by: Mario Teisl, University of Maine
Moderator: Edward C. Jaenicke, Penn State University, NAREA President

12:30 pm – 1:30 pm **CAES Awards Luncheon, Salons AB**
CAES Awards Banquet
Moderator: Maurice Doyon, Université Laval

- 2:00 pm – 3:30 pm **SELECTED PAPER SESSIONS 2.a – 2.g**
3:30 pm – 3:45 pm **Afternoon Break, Viking Foyer**
3:45 pm – 5:15 pm **SELECTED PAPER SESSIONS 3.a – 3.g**
5:30 pm – 6:30 pm **NAREA Business Meeting, Salon C**
5:30 pm – 6:30 pm **CAES Business Meeting, Salon AB**
6:30 pm – 8:00 pm **NAREA Career Advancement and Mentoring Program Dinner, Colonnade Room** By Invitation Only
Evening and dinner on your own

TUESDAY, JUNE 30, 2015

- 7:30 am – 12:00 noon **Registration for Annual Meeting, Salon AB Foyer**
7:00 am – 8:30 am **CAES New Executive Breakfast Meeting, Salon A**
7:30 am – 8:30 am **Continental Breakfast, Foyer**

8:30 am – 10:00 am **NAREA/CAES Joint Plenary Session, Viking Ballroom**
Title: "Chamberlin meets Ciriacy-Wantrup: Using Experimental Economics Principles to Inform Stated Preference Research"
Dr. Christian Vossler, University of Tennessee
Moderator: Maurice Doyon

- 10:00 am – 10:15 am **Morning Break, Viking Foyer**
10:15 am – 11:45 am **SELECTED PAPER SESSIONS 4.a – 4.g**
11:45 am-1:15 pm **Lunch on your own**
12:00 pm-1:00 pm **NAREA/CAES Department Chair's Luncheon , Colonnade**
1:15 pm – 2:45 pm **SELECTED PAPER SESSIONS 5.a – 5.g**
2:45 pm – 3:00 pm **Afternoon Break, Viking Foyer**
3:15 pm – 4:45 pm **SELECTED PAPER SESSIONS 6.a – 6.g**
End of Conference

10:30 am – 12:00 pm SELECTED PAPER SESSIONS 1.a – 1.g

1.a Ecosystem Management, Habitat Protection and Invasive Species

- Moderator:** Jeffrey D. Kline (USDA Forest Service) **Salon A**
- "Defining Timber Harvest, Carbon Storage, and Habitat Possibilities for Western Cascades Forests"
Jeffrey D. Kline* (USDA Forest Service), Mark Harmon (Oregon State Univ.), Tom Spies (USDA Forest Service), Anita Morzillo (Univ. of Connecticut), Brenda McComb (Oregon State Univ.), Blair Csuti (Oregon State Univ.), Frank Schnekenberger (Oregon State Univ.), Keith Olsen (Oregon State Univ.), and Rob Pabst (Oregon State Univ.)
- "Embedding an Individual-Based Model of Wildlife Disturbance in an Agent-Based Model of Outdoor Recreation"
Shady Atallah (Purdue Univ.), Alexander Cohen* (Purdue Univ.), and Patrick Zollner (Purdue Univ.)
- "Social-Ecological Dynamics of Aquatic Species Invasions on a Lake-Rich Landscape"
Katherine Y. Zipp* (Penn State Univ.), David J. Lewis (Oregon State Univ.), and Bill Provencher (Univ. of Wisconsin, Madison)
- "Estimating the Cost of Eradicating an Invasive Species"
Sunny L. Jardine* (Univ. of Delaware) and James N. Sanchirico (Univ. of California, Davis)

1.b Agricultural Production and Policy Impacts

- Moderator:** Jill Caviglia-Harris (Salisbury Univ.) **Salon B**
- "A Fixed Effects Approach to Survival Analysis Using Data from the Value-Added Producer Grant (VAPG) Program"
Alexis Solano* (USDA Rural Business-Cooperative Service) and Christopher Proctor (USDA Rural Business-Cooperative Service)
- "Choosing Between Intensive and Extensive Agricultural Practices in the Brazilian Amazon: Implications for Environmental Conservation"
Jill Caviglia-Harris* (Salisbury Univ.)
- "Multifunctional Agriculture in New England - Profile, Situation, and Future Outlook"
Kathleen Liang* (Univ. of Vermont)
- "Volatility, Price Forecast and Production Decision of Quebec Producers – The Case of Corn, Sheep and Pork"
Bahareh Mosadegh Sedghy* (Université Laval), Lota Dabio Tamini (Université Laval), and Rémy Lambert (Université Laval)

1.c Economics of Crop Production: Pesticide Use

- Moderator:** Danny LeRoy (Univ. of Lethbridge) **Salon C**
- "The Impact of High GM Adoption Rates on Insecticide Use and Crop Selection"
Scott W. Fausti (South Dakota State Univ.), Jonathan Lundgren (USDA Agricultural Research Service), Evert Van der Sluis* (South Dakota State Univ.), and Bashir A. Qasmi (South Dakota State Univ.)
- "A Risk Analysis of Precision Farming for Tomato Production"
Yangxuan Liu* (Purdue Univ.), Michael R. Langemeier (Purdue Univ.), Ian M. Small (Cornell Univ.), Laura Joseph (Cornell Univ.), and William Earl Fry (Cornell Univ.)
- "A Decision Model for Plant Disease Control"
Elwin G. Smith* (Agriculture and Agri-Food Canada), Denis Gaudet (Agriculture and Agri-Food Canada), Steve Perkovic (Agriculture and Agri-Food Canada), and G. Cornelis van Kooten (Univ. of Victoria)
- "Group Membership and Individual Behavior: A Field Experiment on Trust, Time and Risk amongst Coffee Farmers in Colombia"
Arnab K. Basu* (Cornell Univ.), Miguel I. Gomez (Cornell Univ.), Juan Hernandez Aguilera (Cornell Univ.), and Romane Viennet (Cornell Univ.)

1.d Farmland Values

- Moderator:** Jacqueline Geoghegan (Clark Univ.) **Salon D**
- "The Impact of CAFOs on New York Farmland Values"
Jennifer Ifft* (Cornell Univ.) and Matthew Utterback (Cornell Univ.)
- "The Impact of Supply Management on Farmland Values in Ontario"
Richard Vyn* (Univ. of Guelph)
- "Climate Change Impacts on U.S. Agriculture: Accounting for the Option Value of Farmland in the Hedonic Approach"
Ariel Ortiz-Bobea* (Cornell Univ.)
- "The Impact of Agricultural Land Conversion/Fragmentation on Farmland Values around Major Urban Centres in Alberta"
Angela Bentley* (Univ. of Alberta), Scott Jeffrey (Univ. of Alberta), and Feng Qiu (Univ. of Alberta)

1.e Biofuels

- Moderator:** Laura Grant (Univ. Wisconsin-Milwaukee) **Salon E**
- "Price Volatility in Food and Fuel Markets"
Henry An* (Univ. of Alberta), Feng Qiu (Univ. of Alberta), and James Rude (Univ. of Alberta)
- "Good for the Air, Bad for the Water: The Effect of Ethanol-driven Corn Production on Water Quality"
Barrett Kirwan* (Univ. of Illinois, Urbana-Champaign)
- "Effects of Agricultural Opportunity Costs on Energy Beet Supply to Bioethanol Refineries"
Aaron De Laporte* (North Dakota State Univ.) and David Ripplinger (North Dakota State Univ.)
- "Policy Review of Bioproduct Development in Canada"
Kenneth Poon* (Univ. of Guelph) and Alfons Weersink (Univ. of Guelph)

1.f Consumer Demand

- Moderator:** Jura Liaukonyte (Cornell Univ.) **Touro**
- "Google and Grill? Investigating the Effects of Google Search Terms on U.S. Meat Demand"
Nestor M. Rodriguez* (USDA Economic Research Service), James Eales (Purdue Univ.), and Christopher G. Davis (USDA Economic Research Service)
- "Noisy Information Signals and Endogenous Preferences for Labeled Attributes"
Jura Liaukonyte* (Cornell Univ.), Nadia Streletskaia (Cornell Univ.), and Harry Kaiser (Cornell Univ.)
- "Human Values and Consumers Preferences for Credence Process Attributes in German Markets"
Jill Ann Fitzsimmons* (Univ. of Massachusetts), Gianni Cicia (Univ. of Naples), Teresa Del Giudice (Univ. of Naples), Francesca Colantuoni (Univ. of Massachusetts), and Pasquale Lombardi (Univ. of Naples)
- "Working Memory and Attribute Non-Attendance under Varying Information Load"
Meng Shen* and Zhifeng Gao (Univ. of Florida)

1.g Water Pollution: Abatement Costs and Best Management Practices

- Moderator:** Joshua M. Duke (Univ. of Delaware) **America's Cup**
- "The Impact of Information on Behavior under an Ambient-Based Policy for Non-Point Source Pollution"
Haoran Miao* (URI), Todd Guilfoos (URI), Simona Trandafir (URI), Emi Uchida (URI), Jacob Fooks (Univ. of Delaware), Jordan Suter (Colorado State Univ.), and Kent Messer (Univ. of Delaware)
- "The Impact of Modeling Uncertainty on the Efficiency of Water Quality Trading"
Joshua M. Duke and Wenbo Liu* (Univ. of Delaware)
- "Controlling Risks of Cyanobacteria Blooms"
Nathaniel Merrill* and Jim Opaluch (Univ. of Rhode Island)

2:00 pm – 3:30 pm

SELECTED PAPER SESSIONS 2.a – 2.g

2.a **Fishing and Fisheries**

Moderator: Sunny Jardine (Univ. of Delaware)

Salon A

"A Supply Chain Integrated Bioeconomic Model of Sustainable Escapement Goal Policies for Bristol Bay"

Jocelyn Wang, Curry Cunningham, Christopher M. Anderson*, and Ray Hilborn (Univ. of Washington)

"Evaluating the Effect of Stream Restorations: An Application in Switzerland"

Michele Baggio and Charles Towe* (Univ. of Connecticut)

"Behavioral Response of Fishers to Hypoxia and the Distributional Impact on Harvest"

Zinnia Mukherjee* (Simmons College) and Kathleen Segerson (Univ. of Connecticut)

"Consumer Willingness-to-Pay Price Premiums for the Provision of Water-Quality Environmental Services"

Maik Kecinski* and Audrey J. Peo (Univ. of Delaware)

2.b **Agricultural Policy**

Moderator: Kathleen Liang (Univ. of Vermont)

Salon B

"Rating Area-yield Crop Insurance Contracts Using Bayesian Model Averaging and Mixture Models"

Yong Liu* and Alan Ker (Univ. of Guelph)

"Exploring Evidence-Based Policy Making in Agriculture"

Predrag Rajsic* and Glenn Fox (Univ. of Guelph)

"Political Economy of Emerging Chinese Agricultural Subsidies"

Eleonora De Falcis (Agri2000), Rigoberto A. Lopez (Univ. of Connecticut), and He Xi* (Univ. of Connecticut)

"Institutional and Environmental Impacts on Technology and Managerial Gaps in the Adoption of Improved Groundnut Varieties in Eastern Africa"

Neha Paliwal* (Univ. of Connecticut) and Kwabena Amponsah (Univ. of Connecticut)

2.c **Crop Economics**

Moderator: Henry An (Univ. of Alberta)

Salon C

"Farmland Rental Contracts: Why Do Some Contracts Stipulate Production Practices in Ontario and Manitoba?"

Qin Luo* and B. James Deaton (Univ. of Guelph)

"Mitigating Grain Handling Risks: A Comparison of Analytic Against Simulated Results"

Houtian Ge* (Penn State Univ.), Stephan Goetz (Penn State Univ.), Richard Gray (Univ. of Saskatchewan), and James Nolan (Univ. of Saskatchewan)

"Biotechnology and Regulations: An Economic Assessment of the Issues in the Canola Sector"

Derek Brewin* (Univ. of Manitoba) and Stavroula Malla (Univ. of Lethbridge)

"Innovation Induced Yield Variability"

William Deen (Univ. of Guelph), Tor N Tolhurst* (Univ. of Guelph), Alan P Ker (Univ. of Guelph), and Amelie CM Gaudin (Univ. of California, Davis)

2.d **Property Values and Water Quality**

Moderator: Dennis Guignet (US EPA)

Salon D

"The Impact of Water Quality Improvement in Narragansett Bay on Housing Prices"

Tingting Liu* (ORISE participant), James J. Opaluch (Univ. of Rhode Island), and Emi Uchida (Univ. of Rhode Island)

"Disentangling the Residential Sale Price response to Coastal Hazards & Amenities – Evidence Based on combined Natural Experiment & Spatial Hedonic analysis"

Mahesh Ramachandran* (Cape Cod Commission)

"Environmental Valuation across Time: the Implicit Price of Water Quality through the Recent Recession"

Patrick Walsh*, Charles Griffiths, Dennis Guignet, and Heather Klemick (US EPA)

"Capitalised Amenity Value of Urban Stream Restoration in Perth, Australia"

Maksym Polyakov, Fan Zhang*, James Fogarty, and Ram Pandit (The Univ. of Western Australia)

2.e **Efficiency in Energy Use**

Moderator: Barrett Kirwan (Univ. Illinois)

Salon E

"The Power of Army Green: Prices versus Social Norms in Residential Energy Conservation"

Laura Grant* (Univ. of Wisconsin-Milwaukee)

"Decarbonizing Building Energy: A Cost-Effective Approach"

David Timmons* (Univ. of Massachusetts Boston), Andrew Shapiro (Energy Balance, Inc.), and Alex Wilson (BuildingGreen, Inc.)

"Assessing the Impact of Information and Social Norms on Energy Use of Non-Ratepayers: Evidence From a Field Experiment"

Christine Crago (Univ. of Massachusetts), John Spraggon (Univ. of Massachusetts), and Elizabeth Hunter* (Univ. of Massachusetts)

"Cost Effectiveness of Renewable Energy Policy for DoD Installations"

Zachary Esakof*, Nathan Chan, Sahan Dissanayake, and Jim Siodla (Colby College)

2.f **Food demand – WTP**

Moderator: Jeffrey K. O'Hara (Union of Concerned Scientists) **Touro**

"University Students' Willingness to Pay for More Local Food Options"

Christopher Bruno* (Univ. of Connecticut) and Benjamin Campbell (Univ. of Connecticut)

"At What Price for Niche Pork? Consumers' Value and Knowledge of Alternative Animal Production"

Jamie Ann Picardy* (Tufts Univ.) and Sean B. Cash (Tufts Univ.)

"Are Consumers Willing to Pay Price Premiums for Newly Developed East Coast Broccoli Varieties? An Experiment Study"

Xiaoli Fan* (Cornell Univ.) and Miguel I. Gómez (Cornell Univ.)

"Reliable Willingness-to-Pay Estimates for Food Premiums using an Online Hypothetical Survey while Accounting for Heterogeneous Strategic Behaviours"

Stephane Bergeron* (Université Laval) and Maurice Doyon (Université Laval)

2.g **Non-point Source Pollution: Modeling Impacts of Taxes and Subsidies**

Moderator: Kathleen Bell (Univ. of Maine)

America's Cup

"Spatial Attribution in Nonpoint Source Pollution Settings"

Jacob Fooks* (Univ. of Delaware)

"Visualization and Collective Identity in Nonpoint Source Pollution Settings"

Julianna Butler* (Univ. of Delaware), Jacob Fooks (Univ. of Delaware), and Kent Messer (Univ. of Delaware)

"Integrating Pollution Markets across Environmental Media: The Case of Reactive N"

Carson Reeling* (Michigan State Univ.) and Cloe Garnache (Michigan State Univ.)

3:45 pm – 5:15 pm

SELECTED PAPER SESSIONS 3.a – 3.g

3.a **Symposium: Marine and Coastal Economics**

Moderator: Jenny Sun (GMRI)

Salon A

- "Discards-Proportional Cost-Effective Allocation Scheme for the At-Sea Monitoring Program of the Groundfish Fishery in New England"
Jenny Sun* (Gulf of Maine Research Institute)
- "Testing the Waters' with Citizens: Factors Determining Citizen Willingness to Pay for Coastal Water Quality Improvements"
Caroline L. Noblet* (Univ. of Maine), Kathleen P. Bell (Univ. of Maine), Margaret Snell (Univ. of Maine), Emma Fox (Univ. of Maine), Abigail Kaminski (Univ. of Maine), and Tagwongo Obamsawin (Univ. of Maine)
- "Preferences for Eco-labels in Seafood and Underutilized Fish"
Jackie Chen*, Sahan T. M. Dissanayake, and Loren McClenachan (Colby College)
- "Resilience and Adaptation of a Coastal Economic System: Global Market Integration of US-Canada American Lobster Economy"
Jenny Sun* (Gulf of Maine Research Institute), Frank Chiang (Gulf of Maine Research Institute) and Alexa Dayton (Gulf of Maine Research Institute)

3.b **Government regulation, inspection and enforcement**

Moderator: Edward C. Jaenicke (Penn State Univ.)

Salon B

- "Voluntary Regulation Program and Government Regulation: Impacts of Responsible Care on OSHA Enforcement"
Huan Li (Binghamton Univ.) and Neha Khanna* (Binghamton Univ.)
- "Energy Policy Act of 2005: Effects of Inspection Frequency Requirements on Compliance at Underground Storage Tanks in Louisiana"
Karen A. Sullivan* (US EPA)
- "Deterrence Effects of Inspections and Enforcement"
William J. Wheeler* (US EPA) and Ron Shadbegian (US EPA)
- "What, Me Worry: Who Responds More to Regulatory Enforcement?"
Dietrich Earnhart (Univ. of Kansas) and Sarah Jacobson* (Williams College)

3.c **Economics of Cropping Practices**

Moderator: Mark Sperow (West Virginia Univ.)

Salon C

- "Modeling No-Tillage Adoption by Corn and Soybean Producers: Insights into Sustained Adoption"
Tara Wade* (North Carolina State Univ.) and Roger Claassen (USDA Economic Research Service)
- "Optimal Rotations using Corn in Southern Manitoba"
Hazel Sakulanda* and Derek G. Brewin (Univ. of Manitoba)
- "An Old Idea Made New? Summer Fallowing on the semi-arid Prairies"
Phyllis J. MacCallum (Univ. of Lethbridge), Danny G. Le Roy* (Univ. of Lethbridge), and Elwin G. Smith (Agriculture and Agri-food Canada)
- "Winter Forage Crops as a Supplement to Corn Stalk Grazing in Integrated Crop/Livestock Systems in Southeast Wyoming"
Jenna Meeks (Univ. of Wyoming), Andrew Kniss (Univ. of Wyoming), Brian Mealor (Univ. of Wyoming), Anowar Islam (Univ. of Wyoming), Steve Paisley (Univ. of Wyoming), and Brian Lee* (Univ. of Wyoming)

3.d **Property Values: Amenities and Disamenities**

Moderator: Richard Vyn (Univ. of Guelph)

Salon D

- "The Value of Open Space in Riverside County"
James Yoo* (California Baptist Univ.)
- "The Net Value of Open Space: Evidence from a Dynamic Regression Discontinuity Design"
Corey Lang* (Univ. of Rhode Island)
- "Inter-Jurisdictional Impacts of Wind Turbines: Comparing Property Value Impacts of the Wolfe Island Wind Farm on Both Sides of the Border"
Martin Heintzelman* (Clarkson Univ.) and Richard Vyn (Univ. of Guelph)
- "Do Home Values Respond to Underground Storage Tank Releases? An Examination of High-Profile Cases Across the US"
Dennis Guignet* (US EPA), Robin Jenkins (US EPA), Matthew Ranson (Abt Associates), and Patrick Walsh (US EPA)

3.e **Energy Markets**

Moderator: Donna Ramirez-Harrington (Univ. of Vermont) **Salon E**

- "Electricity Generation Location and Benefits to Human Health: What health benefits can be attributed to RGGI?"
Todd Metcalfe* (Syracuse Univ.)
- "Energy Demand and Severance Taxation in Pennsylvania"
Kyle Hoy* (Penn State Univ.) and Douglas H Wrenn (Penn State Univ.)
- "A Potential Determinant of Oil Prices or Not?—From a Financial Market Perspective"
Ding Du (Northern Arizona Univ.) and Xiaobing Zhao* (Northern Arizona Univ.)

3.f **Food Demand**

Moderator: Sean Cash (Tufts Univ.)

Touro

- "Effect of Trans Fatty Acids Labeling Rule in the U.S: Evidence from the U.S. Margarine/Butter Market"
Emily Wang, Hongli Wei*, and Julie A. Caswell (Univ. of Massachusetts Amherst)
- "Assessing the Healthfulness of Food Purchases among Underserved Shoppers in the Northeast"
Alessandro Bonanno (Wageningen Univ.), Lauren Chenarides* (Penn State Univ.), and Ryan Lee (Johns Hopkins Univ.)
- "Comparison of U.S. Consumer Willingness to Pay for Fresh Fruits from Developed and Developing Regions"
Devon P. Meadowcroft* (Univ. of Delaware), Lenna K. Schott (Univ. of Delaware), John C. Bernard (Univ. of Delaware), and Ulrich C. Toensmeyer (Univ. of Delaware)
- "An Economic Analysis of Obesity, Health Claims, and Regulations"
Stavroula Malla, Kien Tran, and Solomon Gyamfi Akowuah* (Univ. of Lethbridge)

3.g **Irrigation and Water Scarcity**

Moderator: Kent Messer (Univ. of Delaware) **America's Cup**

- "Water Scarcity and Efficient Allocation in Southern Alberta"
Md Kamar Ali* (Univ. of Lethbridge)
- "Water Availability and Adaptation of Irrigated Agriculture to Climate Change in California"
Yoon-Young Choi*, Eric Njuki, Farhed A. Shah, and Boris E. Bravo-Ureta (Univ. of Connecticut)
- "How do Water Rights Institutions Affect Climate Change Impacts on Water Supply"
Karen A. Fisher-Vanden (Penn State Univ.), Sheila M. Olmstead (Univ. of Texas at Austin), and Renata Rimsaite* (Penn State Univ.)
- "Adaptability of Irrigation to a Changing Monsoon in India: How far can we go?"
Esha Zaveri* (Penn State Univ.), Danielle S. Grogan (Univ. of New Hampshire), Karen Fisher-Vanden (Penn State Univ.), Steve Frolking (Univ. of New Hampshire), and Douglas H. Wrenn (Penn State Univ.)

10:15 am – 11:45 am SELECTED PAPER SESSIONS 4.a – 4.g

4.a Focus on Fellows Symposium: The Evolution of Policy Directions for Agriculture in Canada

Moderator: Terry Veeman (Univ. of Alberta, retired) **Salon A**

- "The Evolution of Political Thought on the Appropriate Role of Governments: Its Impact on Agricultural Policy in Canada"
Douglas Hedley* (Agriculture and Agri-Food Canada, retired)
- "The Rise and Fall of the Canadian Wheat Board"
Bill Miner* (Agriculture and Agri-Food Canada, retired)
- "50 Years of Measuring Support to Agriculture in Canada: Overview and Interpretation"
Lars Brink* (Agriculture and Agri-Food Canada, retired)

4.b Environmental Policy

Moderator: Sarah Jacobson (Williams College) **Salon B**

- "The Cost-Effectiveness of Using a Hybrid Regulatory Approach to Conserve Small Natural Features: Lessons from Maine, USA"
Kathleen P. Bell* (Univ. of Maine), Aram Calhoun (Univ. of Maine), Dana Marie Bauer (Boston Univ.), Robb Freeman (Eastern Maine Community College), and Jessica Balukas (Univ. of Maine)
- "Critical Habitat Designation and County-Level Economic Growth"
Sarah A. Cline* (U.S. Department of the Interior) and Peter Grigelis (U.S. Department of the Interior)
- "Preferences for REDD+ Contract Attributes: Examples from Choice Experiments in Ethiopia and Nepal"
Sahan T. M. Dissanayake* (Colby College), Abebe Damte Beyene (Efd Ethiopia), Bhim Adhikari (IDRC), Rajesh Bista (ForestAction), Randall Bluffstone (Portland State Univ.), Zenebe Gebreegziabher (Efd Ethiopia), Prakash Jha (Univ. of Venice and ForestAction), Harisharan Luintel (Portland State Univ. and ForestAction), Peter Martinsson (Univ. of Gothenburg), Alemu Mekonnen (Efd Ethiopia), Naya Sharma Paudel (ForestAction), E. Somanathan (Indian Statistical Institute), and Michael Toman (World Bank)
- "The Canadian Mandatory Greenhouse Gas Reporting Program: Information Disclosure, Capital Markets, and Climate Change Mitigation"
Donna Ramirez Harrington* (Univ. of Vermont) and Keith Brouhle (Grinnell College)

4.c Production Practices and Climate Change

Moderator: Brian Lee (Univ. of Wyoming) **Salon C**

- "Could No-Till Crop Production Cost Effectively Help Meet CO₂ Emission Reduction Goals?"
Mark Sperow* (West Virginia Univ.)
- "Adaptation to Climate Change through Crop Choice: A High Resolution Analysis"
Haoying Wang* (Cornell Univ.), Ariel Ortiz-Bobea (Cornell Univ.), and Shun Chonabayashi (Cornell Univ.)
- "Agricultural Land Use Adaptation to Climate Change in the U.S."
Shun Chonabayashi* (Cornell Univ.)

4.d Organic Agriculture

Moderator: Jenny Ifft (Cornell Univ.) **Salon D**

- "Estimating the Impact of Organic Equivalency Agreements on U.S. Agricultural Trade"
Iryna Demko* (Penn State Univ.) and Edward C. Jaenicke (Penn State Univ.)
- "Organic Farms' Seasonal Farm Labor Sourcing Strategies in the Pre-"Arizona" Mode of Immigration Control"
Cesar L. Escalante* (Univ. of Georgia), Ya Wu (Univ. of Georgia), and Xiaofei Li (Univ. of Georgia)
- "The Role of U.S. Certifiers in Organic Hotspot Formation"
Ioana (Julia) I. Marasteanu* (Penn State Univ.) and Edward C. Jaenicke (Penn State Univ.)

- "A Field Experiment on Consumer Willingness to Pay for Organic Grape Tomatoes Based on Purchasing Venue"
Shuiqin Yu* (Univ. of Delaware), Brenna Ellison (Univ. of Illinois), Michelle Paukett (Univ. of Delaware), John C. Bernard (Univ. of Delaware), and Ulrich C. Toensmeyer (Univ. of Delaware)

4.e Consumer Preferences: Energy and Water

Moderator: Nikos Ziogiannis (Indiana Univ.) **Salon E**

- "Measuring Consumer Preferences for Drinking Water – from Bottle to Tap to Filter"
Maik Kecinski* (Univ. of Delaware) and Monica Petrella (Univ. of Vermont)
- "Estimating the Consumer Valuation of Environmental Certifications: A Convex Non-Parametric Approach"
Edson Okwelum* (Lawrence Berkeley National Lab)
- "The Impact of Location and Proximity on Consumers' Willingness to Pay for Renewable & Alternative Sources of Electricity: The Case of West Virginia"
Alan R. Collins* (West Virginia Univ.) and Kofi Nkansah (West Virginia Univ.)
- "Household Safety Concerns, Vehicle Choices and the Costs of Fuel Economy Standards"
Yoon-Young Choi* (Univ. of Connecticut), Yizao Liu (Univ. of Connecticut), and Ling Huang (Univ. of Connecticut)

4.f Food Prices

Moderator: Jill Hobbs (Univ. of Saskatchewan) **Touro**

- "The Cost of Food: A Structural Decomposition of US and Canadian Food Dollars"
Patrick Canning (USDA Economic Research Service), Ken Nakagawa* (Agriculture and Agri-Food Canada), and Bruce Phillips (Agriculture and Agri-Food Canada)
- "Do the Poor Pay More for Food? Food Price Differences in Affluent and Low-Income Neighborhoods in New York City"
Stephanie Rogus* (New York Univ.)
- "Hedonic Analysis on Retail Egg Prices in Canada"
Nishanthi Balasubramaniam* (Univ. of Guelph) and John Cranfield (Univ. of Guelph)
- "An Economic Analysis of the Blue Agave and Tequila Prices in Mexico: An Instrumental Variable Approach"
Rakhal Sarker (Univ. of Guelph), Megan Egler* (Univ. of Guelph) and Edna del Valle (Univ. of Guelph)

4.g Water Usage and Quality

Moderator: Todd Guilfoos (Univ. of Rhode Island) **America's Cup**

- "The Tradeoffs between Groundwater Quality and Economic Returns from Agriculture in the Lower Little Bow Watershed in Southern Alberta"
Marcus Becker* (Univ. of Alberta) and Scott Jeffrey (Univ. of Alberta)
- "Optimal Groundwater Extraction for Irrigated Agriculture in the Littoral North of Senegal under Climate Uncertainty, Implications on Irrigation Water Availability"
Amy Faye (Senegalese Institute of Agricultural Research), Cheikh Anta Diop (Univ. of Dakar), and Siwa Msangi* (International Food Policy Research Institute)
- "Optimal Taxes and Welfare in a Spatially Explicit Aquifer: Experimental Evidence"
Joshua M. Duke (Univ. of Delaware), Zhongyuan Liu* (Univ. of Delaware), Kent D. Messer (Univ. of Delaware), Holly Michael (Univ. of Delaware), and Jordan Suter (Colorado State Univ.)

5.a **Symposium: From the Classroom to the Workplace: A Young Professional Experience**

Moderator: Maurice Doyon (Université Laval) **Salon A**
 Stephane Bergeron (Université Laval)
 Arden Esqueda (Farm Credit Canada)
 Maxime Colette (Dairy Farmers of Canada)
 Anais Hacault (Canadian Grain Commission)

5.b **Agricultural and Economic Issues in Developing Countries**

Moderator: Sahan Dissanayake (Colby College) **Salon B**
 "An Economic Analysis of the Contributions of Emergency and Non-Emergency Food Aids to Poverty Reduction in Sub-Saharan Africa"
 Megan Egler* (Univ. of Guelph) and Rakhal Sarker (Univ. of Guelph)
 "Exploring Livestock Management Strategies in the Sahelian Drylands of Africa: Balancing Livestock Numbers with Feed Resources"
 Siwa Msangi* (International Food Policy Research Institute)
 "Human Capital Contribution to Economic Growth in Sub-Saharan Africa"
 Kolawole Ogundari* (Univ. of Delaware) and Titus Awokuse (Univ. of Delaware)

5.c **Dairy Economics**

Moderator: Predrag Rajsic (Univ. of Guelph) **Salon C**
 "An Empirical Documentation of Bid Shading in the Discriminatory Auction"
 Rebecca Elskamp* (Univ. of Guelph)
 "Measuring Economic Welfare and Quota Value under Stabilization: A Risk-Response Analysis"
 Tyler Ritchie (Univ. of Manitoba) and Derek Brewin* (Univ. of Manitoba)
 "Implications of CETA and TPP on the Canadian Dairy Industry: Accounting for Heterogeneity of Welfare Among Canadian Dairy Producers"
 Jocelin On* (Univ. of Guelph) and Alan Ker (Univ. of Guelph)
 "Comparison of characteristics and demographics of similar size organic and conventional dairy farms"
 Deborah Krug (Univ. of Vermont), Robert Parsons* (Univ. of Vermont), and Qingbin Wang (Univ. of Vermont)

5.d **Farm Performance and Investment**

Moderator: William Kerr (Univ. of Saskatchewan) **Salon D**
 "How Are Mid-Sized Farms Performing at the Urban Fringe? A Longitudinal Comparison of New Jersey's Mid-Sized Farms to Large Commercial Farms"
 Kevin P. Sullivan* (Rutgers Univ.), Brian J. Schilling (Rutgers Univ.), and Margaret Brennan (Rutgers Univ.)
 "Green Lights in the Greenbelt? A Qualitative Assessment of Ontario's Greenbelt on Farmers' Investment Decision-Making"
 Mikaël Akimowicz* (Univ. of Guelph), Harry Cummings (Univ. of Guelph), and Karen Landman (Univ. of Guelph)
 "The Impacts of Ontario's Greenbelt on Farm Exit and Investment Decisions"
 Na Li (Univ. of Toronto) and Richard Vyn* (Univ. of Guelph)

5.e **Shale Gas**

Moderator: Martin D. Heintzelman (Clarkson Univ.) **Salon E**
 "Optimal Extraction of Natural Gas and Water Management in the Presence of Pollution Externalities and Resource Scarcity"
 Linda Fernandez (Virginia Commonwealth Univ.) and Jens Schubert* (Virginia Commonwealth Univ.)
 "Increased Bottled Water Purchases as Evidence of Risk Averting Behavior in Pennsylvania Shale Gas Counties"
 Edward C. Jaenicke* (Penn State Univ.), H. Allen Klaiber (Ohio State Univ.), and Douglas H. Wrenn (Penn State Univ.)
 "Farming and Unconventional Gas Development in the Marcellus Region"
 Kathy Brasier (Penn State Univ.), Leland Glenna (Penn State Univ.), Kyle Hoy* (Penn State Univ.), Timothy Kelsey (Penn State Univ.), and Irene Xiarchos (USDA OCE)
 "Regional Perceptions and Economic Valuation of Environmental Degradation Caused by Hydraulic Fracturing in the Hartford Basin With Policy Recommendations"
 Anthony Rascati* (Westfield State Univ.) and Hillary M. Sackett-Brian (Westfield State Univ.)

5.f **Local Food**

Moderator: Brad Rickard (Cornell Univ.) **Touro**
 "Growing Local Milk: Analysis of Consumer Demand and Marketing Practices"
 Qiushuo Yu* (Univ. of Connecticut), Benjamin Campbell (Univ. of Connecticut), Adam N. Rabinowitz (Univ. of Connecticut), and Yizao Liu (Univ. of Connecticut)
 "The Influence of Distance and Economic Growth on Direct Marketing Agricultural Sales in the Northeast"
 Jeffrey K. O'Hara* (Union of Concerned Scientists) and Sarah A. Low (USDA Economic Research Service)
 "Understanding the Impact of Consumers' Characteristics on their Decision to Participate in Community Supported Agriculture"
 Madiha Zaffou (Univ. of Connecticut), Qiushuo Yu* (Univ. of Connecticut) and Benjamin Campbell (Univ. of Connecticut)

5.g **Impacts of Climate-Related Events**

Moderator: Patrick Walsh (U.S. EPA) **America's Cup**
 "Adaptation to Flooding Risk: Evidence on the Role of Technological Innovation and Social Learning"
 Qing Miao* (Syracuse Univ.)
 "Behavioral Responses to Arsenic and Chromium Exposure – Remediation and Adaption to Sea Level Rise"
 Maik Kecinski (Univ. of Delaware), Walker Jones* (Univ. of Delaware), and Kent Messer (Univ. of Delaware)
 "Assessing the Economic Vulnerability of Maine's Drinking Water Resources to Extreme Precipitation Events"
 Kate A. Warner* (Univ. of Maine), Mario F. Teisl (Univ. of Maine), and Jasmine E. Saros (Univ. of Maine)

6.a **Ecosystem Services****Moderator:** William Wheeler (US EPA)**Salon A**

"Enhancing Meta-Regression Models for Valuing Ecosystem Services Provided By Water Resources"
Elena Besedin* (Abt Associates), Anna Belova (Abt Associates), Robert J. Johnston (Clark Univ.), and Ryan Stapler (Abt Associates)

"Spatial Decay in Willingness to Pay for Ecosystem Services: Does Perception of Distance Matter?"
Lynne Y. Lewis (Bates College), Guillermo Herrera* (Bowdoin College), and BoRa Kim (Columbia Univ.)

"Non-Monetary Benefits Without Apology: The Economic Theory and Practice of Ecosystem Service Benefit Indicators"
Marisa Mazzotta* (US EPA), Lisa Wainger (Univ. of Maryland), Justin Bousquin (US EPA), Kristen Hychka (US EPA), and Walter Berry (US EPA)

"Land Use Change Modeling and Ecosystem Service Quantification with Multi-Stakeholder Support – An Application in Rhode Island"
Emi Uchida (Univ. of Rhode Island) and Andy Boslett* (Univ. of Rhode Island)

6.b **Trade****Moderator:** Rebecca Elskamp (Univ. of Guelph)**Salon B**

"Influence of Product Standards on Food and Feed Exports"
Edward Olale* (St. Thomas Univ.) and Spencer Henson (Univ. of Guelph)

"Economic Openness and Income Growth in Developing Countries"
Richard Nana Bonsu Yeboah* (Univ. of Lethbridge), Alexander Darku (Univ. of Lethbridge) and Duane Rockerbie (Univ. of Lethbridge)

"The Canada-EU Comprehensive Economic and Trade Agreement: Implications for Agriculture"
William A. Kerr* (Univ. of Saskatchewan) and Jill E. Hobbs (Univ. of Saskatchewan)

"An Economic Analysis of Political Influence behind U.S. Border Rejections of Agri-Food imports From Canada"
Emily Rollins* (Univ. of Guelph) and Spencer Henson (Univ. of Guelph)

6.c **Livestock Economics****Moderator:** Robert Parsons (Univ. of Vermont)**Salon C**

"Potential Economic Impact of Foot-and-Mouth Disease (FMD) Outbreak in Canada"
Kenneth Poon* (Univ. of Guelph), Alexander Cairns (Univ. of Guelph), Stephen Duff (Ontario Ministry of Agriculture, Food and Rural Affairs), Alan Ker (Univ. of Guelph), and Tor Tolhurst (Univ. of Guelph)

"Incentives for the Adoption of an E. Coli Cattle Vaccine: An Application of Best-Worst Scaling"
Brian Ochieng (Univ. of Saskatchewan) and Jill E. Hobbs* (Univ. of Saskatchewan)

"Benefit Cost Analysis of Near Infra-red Spectroscopy Technology Adoption by Albertan Hog Producers"
Bijon Brown* (Univ. of Alberta), Scott Jeffrey (Univ. of Alberta), Henry An (Univ. of Alberta), James Unterschultz (Univ. of Alberta), and Mary-Lou Swift (Alberta Agriculture and Rural Development)

"Valuation of Residual Feed Intake as a Selection Tool for Northeastern Wyoming Range Sheep Producers"
McKenzie Harlan* (Univ. of Wyoming), John Ritten (Univ. of Wyoming), Benjamin Rashford (Univ. of Wyoming), and Kristi Cammack (Univ. of Wyoming)

6.d **Land Values and Conservation Programs****Moderator:** Brian Schilling (Rutgers Univ.)**Salon D**

"Using a Choice Experiment to Assess the Multiple Values of Land in Agricultural Uses in a Peri-urban Area: An Application to Edmonton, Canada"
Haoluan Wang* and Brent Swallow (Univ. of Alberta)

"Implicit Prices of Habitat Conservation Easements"
Chad Lawley (Univ. of Manitoba) and Charles Towe* (Univ. of Connecticut)

"Are Participating Landowners Satisfied with Agricultural Conservation Easement Programs?"
Brian J. Schilling* (Rutgers Univ.), Kevin P. Sullivan (Rutgers Univ.), J. Dixon Esseks (Univ. of Nebraska-Lincoln), Joshua M. Duke (Univ. of Delaware), Paul D. Gottlieb (Rutgers Univ.), and Lori Lynch (Univ. of Maryland)

"Evaluating Barriers and Motives for Participation in Auction-Based Conservation Programs from Landowners' Perspectives: Evidence from Australian Tenders"
David Fleming, Stuart M Whitten*, and Art Langston (CSIRO Land and Water Flagship)

6.e **Greenhouse Gas Emissions****Moderator:** Allison Borchers (USDA)**Salon E**

"Decomposition of Aggregate CO2 Emission Changes at Three Different Levels of U.S. Industry"
Chairat Choesawan* (West Virginia Univ.) and Alan R. Collins (West Virginia Univ.)

"Optimal Regulation of Carbon and Co-Pollutants with Spatially Differentiated Damages"
Christine Crago* (Univ. of Massachusetts) and John Stranlund (Univ. of Massachusetts)

"Greenhouse Gas Emissions and Criteria Air Co-Pollutants: Evidence from US Power Plants"
Daniel H. Simon (Indiana Univ.) and Nikos Zirogiannis* (Indiana Univ.)

6.f **Retail Markets, Supply Chains and Manufacturing****Moderator:** Elwin Smith (Agriculture and Agri-Food Canada) **Touro**

"Retail Wine Availability and Product Diversity"
Mingyang Qu (Cornell Univ.), Brad Rickard* (Cornell Univ.), Marco Costanigro (Colorado State Univ.), and Ed McLaughlin (Cornell Univ.)

"Comparing Geographic Measures and Survey Self-Reports of the Adequacy of the Food Retail Environment in the United States"
Parke Wilde* (Tufts Univ.), Abigail Steiner (Tufts Univ.), and Michele Ver Ploeg (USDA Economic Research Service)

"Farm to Institution Markets in Massachusetts"
Jill Ann Fitzsimmons* (Univ. of Massachusetts)

6.g **Public Goods, Pollution and Policy****Moderator:** Mario Teisl (Univ. of Maine)**America's Cup**

"Land Management Strategies to Reduce Nutrient Loads in Perth, Australia"
Fan Zhang*, Maksym Polyakov, Ben White, and David J. Pannell (The Univ. of Western Australia)

"Threshold Public Good Provision with Individualized Price Mechanisms: The Multiple-Units Case"
Pengfei Liu (Univ. of Connecticut) and Stephen Swallow* (Univ. of Connecticut)

"Environmental Policy in a Model of Environment, Economy and Population – an Overlapping Generations Approach"
Ashish Tyagi* (Penn State Univ.)

"Coal Production under Changing Regulatory Environments"
Seth Wiggins* and Stratford Douglas (West Virginia Univ.)