

Northeastern Agricultural and Resource Economics Association Meetings, June 1-3, 2014

Post-Conference Workshop on Non-Conventional Oil and Gas Energy, June 3-4, 2014

Waterfront Place Hotel, Morgantown, West Virginia

SUNDAY, JUNE 1, 2014

		LOCATION
11:00 am – 2:30 pm	NAREA Executive Board Meeting Executive board members and invitees only	Puskar Boardroom
2:30 pm – 6:00 pm	Career Advancement and Mentorship (CAM) Program 2:30-3:30pm is only for current CAM mentors / mentees; after 3:30, others welcome but registration required	Salon E
3:00 pm – 8:00pm	Registration for Annual Meeting	Foyer A-C
6:00 pm – 7:00 pm	NAREA Past-Presidents' Roundtable Open to past presidents of NAREA	Puskar Boardroom
7:00 pm – 9:30 pm	Welcome Reception	Foyer F-H

MONDAY, JUNE 2, 2014

8:00 am – 5:00 pm	Registration for Annual Meeting	Foyer A-C
7:30 am – 8:30 am	Continental Breakfast	Foyer A-C

8:30 am – 9:30 am	Invited Presentation	Salon D
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Title: "Connecting research and policy decisions: A case study of the 2014 Farm Act"
Dr. Mary Bohman, Administrator, USDA Economic Research Service
Moderator: Ted Jaenicke, Pennsylvania State Univ., NAREA President-Elect

9:30 am – 9:45 am	Morning Break	Foyer A-C
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9:45 am – 11:15 am	SELECTED PAPER SESSIONS 1.a – 1.d	
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11:30 am – 1:00 pm	Awards Luncheon and Welcome	Salon D
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The NAREA Award for Outstanding Public Service through Economics
Recipient: Dr. Julie Caswell, Professor of Resource Economics, Univ. of Massachusetts
Title: "Using Information Policy to Change Markets"
Moderator: Josh Duke, Univ. of Delaware, NAREA President

1:15 pm – 2:45 pm	SELECTED PAPER SESSIONS 2.a – 2.d	
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2:45 pm – 3:00 pm	Afternoon Break	Foyer A-C
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3:00 pm – 4:30 pm	SELECTED PAPER SESSIONS 3.a – 3.d	
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4:45 pm – 5:45 pm	NAREA Business Meeting	Salon A-C
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Evening and dinner on your own

TUESDAY, JUNE 3, 2014

8:30 am – 12:00 noon	Registration for Annual Meeting	Foyer A-C
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8:00 am – 9:00 am	Continental Breakfast	Foyer A-C
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9:00 am – 10:00 am	Invited Presentation	Salon D
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Title: "Land change modeling for policy analysis"
Dr. Elena Irwin, Professor of Environmental Economics, The Ohio State University
Moderator: Ted Jaenicke, Pennsylvania State Univ., NAREA President-Elect

10:00 am – 10:30 am	Morning Break	Foyer A-C
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10:30 am – 12:00 pm	SELECTED PAPER SESSIONS 4.a – 4.d	
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12:00pm **Annual Meeting Ends**

10:00 am – 5:00 pm	Registration for Annual Meeting/Pre-Annual Meeting Workshop	Foyer A-C
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12:00 pm – 5:00 pm	Workshop on Non-Conventional Oil and Gas Energy Co-sponsored by NAREA and the National Agricultural & Rural Development Policy (NARDeP) Center Separate registration required	Waterfront
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Please refer to the separate Workshop Program

MONDAY, JUNE 2, 2014

9:45 am – 11:15 am SELECTED PAPER SESSIONS 1.a – 1.d

- 1.a **Carbon Dioxide and Energy** **Salon A**
Moderator: Corey Lang (Univ. of Rhode Island)
"Climate change policy and the balance of trade"
Gal Hochman* (Rutgers Univ.) and David Zilberman (Univ. California Berkeley)

"Joint Production of Electricity and CO₂: A Dynamic Mixed Integer Linear Programming Model of Carbon Capture, Utilization and Storage"
Marc Mulkey* (West Virginia Univ.), Jerry Fletcher (West Virginia Univ.), and Richard Middleton (Los Alamos National Laboratory)

"Emission Functions for Electricity Generators, and How They Help Resolve a Controversy About the Emission Effects of Wind Power"
Andrew Kindle (Rensselaer Polytechnic Inst.), Kedar Raman (Rensselaer Polytechnic Inst.), and Daniel Shawhan* (Resources for the Future)

"Province-level Convergence of China CO₂ Emission Intensity A Spatial Dynamic Panel Data Analysis"
Xueting Zhao* (West Virginia Univ.), J. Wesley Burnett (West Virginia Univ.), and Donald J. Lacombe (West Virginia Univ.)
- 1.b **Livestock and Fish Production** **Salon B**
Moderator: Siwa Msangi (IFPRI)
"Dupont Analysis of Analyses of the Broiler Industry"
Ani Katchova (Univ. of Kentucky), Jeff Gillespie (Louisiana State Univ.), Charlie Hallahan (USDA Economic Research Service), Michael Harris (USDA Economic Research Service), Ken Erikson (USDA Economic Research Service), and Richard Nehring* (USDA Economic Research Service)

"Welfare analysis in a two-stage inverse demand model: Benefits of habitat restoration in regional fisheries"
Chris Moore* (US EPA NCEE) and Charles Griffiths (US EPA NCEE)

"Fishermen, Markets, and Evolution"
Sunny Jardine* (Univ. of Delaware) and James Sanchirico (Univ. of California, Davis)

TBD
- 1.c **Local Agriculture** **Salon C**
Moderator: Ted Jaenicke (Pennsylvania State Univ.)
"A model of farmers' market location determinants, with an application to New England"
Joshua Berning (Univ. of Connecticut), Alessandro Bonanno* (Wageningen Univ. and Pennsylvania State Univ.), and Hamideh Etemadnia (Pennsylvania State Univ.)

"Assessing Factors Affecting Consumer Demand for Local and Organic Agriculture: A Contingent Choice Approach"
Kyle Pusake (Univ. of New Hampshire), Maria Lonardo-Roy (Univ. of New Hampshire), Ju-Chin Huang (Univ. of New Hampshire), Nada Haddad (Univ. of New Hampshire Cooperative Extension), and John M. Halstead* (Univ. of New Hampshire)

"Consumer Behavior and Barriers to Purchasing Local Food: a Two-stage Decision Model"
Lingqiao Qi* (Univ. of Connecticut), Adam Rabinowitz (Univ. of Connecticut), and Benjamin Campbell (Univ. of Connecticut)

"Survival Analysis of the Value-Added Producer Grant (VAPG) Program from 2001 until 2010"
Alexis Solano* (USDA Rural Business-Cooperative Service)
- 1.d **Valuing Ecosystem Services** **Salon F**
Moderator: Kathleen Bell (Univ. of Maine)
"The Effect of Temporal and Spatial Specificity on Welfare Estimates in a Travel Cost Recreational Demand Model: Evidence From New York State Angler Participation"
Elizabeth Spink* (Cornell Univ.), Nancy A. Connelly (Cornell Univ.), Shanjun Li (Cornell Univ.), and Gregory L. Poe (Cornell Univ.)

"Analyzing Choice Experiment Data in Preference Space vs Willingness-to-Pay Space: Examples from three studies"
Sahan T. M. Dissanayake* (Colby College)

"Do Choice Experiments Provide Sufficient Information to Estimate Spatial Welfare Heterogeneity? Effects of Individualized Geocoding on Estimated Distance Decay"
Robert Johnston (Clark Univ.) and Benedict Holland* (Clark Univ.)

"Assessing Lost Ecosystem Service Benefits Due to Mining-Induced Stream Degradation in the Appalachian Region: Economic Approaches to Valuing Recreational Fishing Impacts"
Marisa Mazzotta* (US EPA), Lisa Wainger (Univ. of Maryland), and Samantha Sifleet (US EPA)

Presenting author marked with *

For questions on the program, please contact Ted Jaenicke, Pennsylvania State Univ. and NAREA President-Elect

MONDAY, JUNE 2, 2014

1:15 pm – 2:45 pm

SELECTED PAPER SESSIONS 2.a – 2.d

- 2.a **Food Retail** **Salon A**
Moderator: Abigail Okrent (USDA Economic Research Service)
"Strategic Retailer Reactions to Wholesale Club Market Presence"
Christoph Bauner* (Rensselaer Polytechnic Inst.) and Emily Wang (Univ. of Massachusetts at Amherst)

"Patterns of Price-Cost Margins and Other Marketing Strategies Across the Food Retailing Landscape"
Lauren Chenarides* (Pennsylvania State Univ.), Edward Jaenicke (Pennsylvania State Univ.), and Richard Volpe (USDA Economic Research Service)

"Health Outcomes, Food Purchases, and the Food Landscape"
Danhong Chen (Pennsylvania State Univ.), Richard Volpe (USDA Economic Research Service), and Edward Jaenicke* (Pennsylvania State Univ.)

"Consumer Learning and Inventories as Entry Deterrents"
Christoph Bauner (Rensselaer Polytechnic Inst.) and Emily Wang* (Univ. of Massachusetts at Amherst)
- 2.b **Water** **Salon B**
Moderator: Marisa Mazzotta (US EPA)
"Spatial Distribution and Heterogeneity in Willingness to Pay for Ecosystem Services"
Carrie Gill* (Univ. of Rhode Island) and Emi Uchida (Univ. of Rhode Island)

"What ecosystem services do people actually care about?: A choice experiment survey of the Eastern Shore of Virginia concerning environmental values and climate change adaptation"
Ian Yue* (Univ. of Connecticut) and Stephen Swallow (Univ. of Connecticut)

"Optimal Groundwater Extraction Under Uncertainty and Spatial Depletion"
Nathaniel Merrill* (Univ. of Rhode Island) and Todd Guilfoos (Univ. of Rhode Island)

"Farm-management under Multi-year Drought: An Application of Discrete Stochastic Programming with Fuzzy semi-Markov Process"
C.S. Kim* (USDA Economic Research Service), Richard Adams (Oregon State Univ.), and Shellye Suttles (USDA Economic Research Service)
- 2.c **Compliance With and Without Laws** **Salon C**
Moderator: Will Wheeler (US EPA NCEE)
"Enforcement and Compliance with Water Pollution Regulations"
Deitrich Earnhart (Univ. of Kansas) and Sarah Jacobson* (Williams College)

"Location, Location, Location in Air Pollution Regulation: Using Location to Improve the Regulation of Power Plant Emissions"
Daniel Shawhan* (Resources for the Future), John Taber (Federal Energy Regulatory Commission), Ray Zimmerman (Cornell Univ.), Charles Marquet (Univ. of Southern California), Jubo Yan (Cornell Univ.), Di Shi (NEC Labs America), Nan Li (Arizona State Univ.), Biao Mao (Rensselaer Polytechnic Inst.), Yujia Zhu (Arizona State Univ.), Zamiyad Dar (Rensselaer Polytechnic Inst.), William Schulze (Cornell Univ.), Daniel Tylavsky (Arizona State Univ.)

"Primed for conservation: Experimental evidence from nudges to join a water-use information website"
Laura Grant* (Univ. of Wisconsin, Milwaukee) and Michael Price (Georgia State Univ.)

"Third Party Certification and Self-regulation: Evidence from Responsible Care and Accidents in the US Chemical Industry"
Huan Li (Binghamton Univ.), Neha Khanna* (Binghamton University), and Martina Vidovic (Rollins College)
- 2.d **Food Production** **Salon F**
Moderator: Gal Hochman (Rutgers Univ.)
"Adaptation to Climate Change by Fruit Producers in South Korea"
Yoon-Young Choi* (Univ. of Connecticut), You-Seon Shin (Korean Rural Economic Inst.), Iraj Saleh (Univ. of Tehran), and Farhed Shah (Univ. of Connecticut)

"Credit Constraints and Federal Crop Insurance"
Jennifer Ifft* (USDA Economic Research Service), Liang Lu (Univ. California Berkeley), and David Zilberman (Univ. California Berkeley)

"Identifying the Network of Relationships and Influential Actors in the GMO Policy Debate in India"
Cliff Echols* (Rutgers Univ.), Sanjib Bhuyan (Rutgers Univ.), and Carl Pray (Rutgers Univ.)

"Drivers of growth in global livestock systems: Characterizing economic and environmental feedbacks across various production system types"
Siwa Msangi* (IFPRI) and Rachael Brown (IFPRI)

Presenting author marked with *

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MONDAY, JUNE 2, 2014

3:00 pm – 4:30 pm

SELECTED PAPER SESSIONS 3.a – 3.d

3.a Food Demand Experiments

Salon A

Moderator: Alessandro Bonanno (Wageningen Univ. and Pennsylvania State Univ.)

"What determine Willingness to Pay for Organic Food: an Experimental Study Using Structural Equation Modeling"
Xinwei Chen* (Univ. of Delaware) and John Bernard (Univ. of Delaware)

"Analyzing the Consumer's Sweet Tooth: A Field Experiment on Country-of-Origin Labeling for Chocolate"
Lenna Hildebrand (Univ. of Delaware), John Bernard* (Univ. of Delaware), and John Pesek (Univ. of Delaware)

"A Choice Based Conjoint Analysis of Community Supported Agriculture (CSA) in Connecticut: Valuation of Attributes"
Qiushuo Yu* (Univ. of Connecticut), Benjamin Campbell (Univ. of Connecticut), and Jennifer Martin (Univ. of Connecticut)

"Influence of Product Type and Perceptions on the Geographic Boundary for Local Products"
Madiha Zaffou* (Univ. of Connecticut) and Benjamin Campbell (Univ. of Connecticut)

3.b Climate Change Policy

Salon B

Moderator: Dan Shawhan (Resources for the Future)

"Adapting to Monsoon Variability in India: the Case for Irrigation"

Esha Zaveri* (Pennsylvania State Univ.), Karen Fisher-Vanden (Pennsylvania State Univ.), Douglas H. Wrenn (Pennsylvania State Univ.), and Robert E. Nicholas (Pennsylvania State Univ.)

"Solar Photovoltaic Technology Adoption in the United States: An Empirical Investigation of State Policy Effectiveness"
Christine Crago (Univ. of Massachusetts at Amherst) and Ilya Chernyakhovskiy* (Univ. of Massachusetts at Amherst)

"Evaluate the impact of voluntary program on promoting energy efficient technology"
Rong Zhou* (Univ. of Connecticut) and Kathleen Segerson (Univ. of Connecticut)

"Experiments in Environmental Service Provisioning Mechanisms with Spatially Explicit Externalities: An Application in Coastal Infrastructure"
Jacob Fooks* (Univ. of Delaware)

3.c Symposium: A Hedonic Exploration of Water Quality in the Chesapeake Bay

Salon C

Moderator: Josh Duke (Univ. of Delaware)

"Testing the sensitivity of hedonic price estimates for the Chesapeake Bay"

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

"The Implicit Price of SAV: A Hedonic Study of the Chesapeake Bay"

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

"Explaining variation in the value of water clarity using internal meta-analysis"

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

"Water Quality and Property Prices in the Chesapeake Bay"

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

3.d Land Conservation

Salon F

Moderator: Jennifer Ifft (USDA Economic Research Service)

"Federal Conservation Lands and Retiree Migration: Exploring the Relationship and Implications for Economic Development"
Sarah Cline* (US Dept. of Interior)

"Land Conservation in the face of Sea-Level Rise"

Meagan Hennessey* (Colby College) and Sahan Dissanayake (Colby College)

"Conservation attitudes about cost-effectiveness of land preservation: A case study from Maryland"

Kent Messer (Univ. of Delaware), William Allen III (The Conservation Fund), Maik Kecinski* (Univ. of Delaware), and Yu Chen (Univ. of Delaware)

"The Influence of the Credit Stacking Programs: The Coexistence of Regional Credits and Global Credits in Ecosystem Markets"
Pengfei Liu* (Univ. of Connecticut) and Stephen Swallow (Univ. of Connecticut)

Presenting author marked with *

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TUESDAY, JUNE 3, 2014

10:30 am – 12:00 pm SELECTED PAPER SESSIONS 4.a – 4.d

4.a Food Demand

Salon A

Moderator: Kent Messer (Univ. of Delaware)

"Impact of Health Labeling on Willingness to Pay for a New Berry in the U.S.: Evidence from Aronia Berries"
Omer Hoke* (Univ. of Connecticut), Benjamin Campbell (Univ. of Connecticut), Mark Brand (Univ. of Connecticut), and Thao Hau (Univ. of Connecticut)

"Putting the Organic Label In Context: Examining the Interactions Between the Organic Label, Product Type, and Retail Outlet"
Brenna Ellison* (Univ. of Illinois at Urbana-Champaign), Brittany Duff (Univ. of Illinois at Urbana-Champaign), Xinyang Liu (Univ. of Illinois at Urbana-Champaign), Jiachen Yao (Univ. of Illinois at Urbana-Champaign), and Tiffany Barnett-White (Univ. of Illinois at Urbana-Champaign)

"What's Cooking? The Rise in Demand for Prepared Foods in the United States"
Abigail Okrent* (USDA Economic Research Service) and Aylin Kumcu (USDA Economic Research Service)

"The Evolution of Nutritional Quality: Evidence from the Ready-to-Eat Cereal Industry"
Emily Wang* (Univ. of Massachusetts at Amherst), Christian Rojas (Univ. of Massachusetts at Amherst), and Christoph Bauner (Rensselaer Polytechnic Inst.)

4.b Land Use, Policy, and Natural Gas

Salon B

Moderator: Doug Morris (Univ. of New Hampshire)

"Spatial Logistic Methods for Spatially Explicit Neighborhood Externalities"
Nazia Arbab* (West Virginia Univ.) and Alan Collins (West Virginia Univ.)

"Do Initial Conditions Matter in Unconventional Energy Development? Comparing the Economic Impacts of Natural Gas Development in Pennsylvania and West Virginia and Texas, Arkansas, Oklahoma, Louisiana, and New Mexico"
Isha Rajbhandari* (Ohio State Univ.), Alessandra Faggian (Ohio State Univ.), and Mark Partridge (Ohio State Univ.)

"I want in on that: Community-level policies for unconventional gas development in New York"
Jayne Piepenburg* (Indiana Univ.), Nikolaos Ziogiannis (Indiana Univ.), and John Rupp (Indiana Univ.)

"Unconventional Natural Gas Development: Influence on Forest Resources and the Forest Products Industry in West Virginia"
Shawn Gruschecky* (West Virginia Univ.), Jingxin Wang (West Virginia Univ.), Timothy Carr (West Virginia Univ.), and Maneesh Sharma (West Virginia Univ.)

4.c Hedonic Valuation

Salon C

Moderator: John M. Halstead (Univ. of New Hampshire)

"Spatial Extent of the Impact of Water Quality Degradation on Coastal Housing Markets: A combined Hedonic and Cognitive Approach"
Mahesh Ramachandran* (Cape Cod Commission)

"Ontario's Greenbelt: Reviewing the Effect on Farmland Values under Alternate Approaches to Addressing Endogeneity"
Richard Vyn* (Univ. of Guelph) and Brady Deaton (Univ. of Guelph)

"The Net Value of Open Space Preservation"
Corey Lang* (Univ. of Rhode Island)

"Wind Turbines and Property Values: A Choice Experiment Approach including Sociological and Psychological Factors"
Martin Heintzelman* (Clarkson Univ.) and Stephen Sauer (Clarkson Univ.)

4.d The Local and the Social

Salon F

Moderator: Sahan Dissanayake (Colby College)

"Effect of Coupled Social-Ecological System Characteristics on Poverty Traps: Determining Optimal Aide Program"
Kyle Montanio* (Univ. of Rhode Island), Thomas Sproul (Univ. of Rhode Island), and Emi Uchida (Univ. of Rhode Island)

"Community-scale innovations to conserve natural resources: assessing patterns in interactions among state and local government policies"
Kathleen Bell* (Univ. of Maine), Erik Nelson (Bowdoin College), Dana Bauer (Boston Univ.), and Jessica Balukas (Univ. of Maine)

"Impact of Social Interaction on Land Use Choice in the Amazon"
Patrick J. Walsh* (US EPA NCEE), Shubhayu Saha (Centers for Disease Control), Erin Sills (North Carolina State Univ.), Subhrendu K. Pattanayak (Duke Univ.), and Jill Caviglia-Harris (Salisbury Univ.)

"Clusters of Organic Operations and their Impact on Regional Economic Growth in the United States"
Ioana (Julia) Marasteanu* (Pennsylvania State Univ.) and Edward Jaenicke (Pennsylvania State Univ.)

Presenting author marked with *

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