AERE 2013 Banff

AERE 3rd Annual Summer Conference
June 6–8, 2013

The Banff Centre
Banff, Alberta, Canada

With sponsored sessions focused on

Mixing Oil and Water:
The Nexus between Energy and Water Resources

Association of Environmental and Resource Economists
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Co-Chair, Vic Adamowicz, University of Alberta
Co-Chair, Ujjayant Chakravorty, Tufts University
Sponsored Sessions: Carolyn Fischer, Resources for the Future
Graduate Student Sessions: Brian Murray, Duke University

2013 INSTITUTIONAL MEMBERS
Environmental Defense Fund
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University of North Carolina at Greensboro, The Bryan School of Business and Economics
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Virginia Tech, Department of Agricultural and Applied Economics
Welcome to the third annual AERE summer conference in the spectacular Canadian Rockies! These conferences have exceeded our expectations as a place for presenting and debating exciting research—The Banff conference promises to be this year’s professional and social highlight! I wish all attendees a wonderful time.

I also want to express my deep appreciation to our Banff Conference organizing committee, co-chaired by Vic Adamowicz and Ujjayant Chakravorty, with support from Carolyn Fischer and Brian Murray, who have put together an outstanding program of selected papers, sponsored sessions, and a pre-conference workshop. Be sure to thank them for their many hours of effort. Also, please take time to check out the sessions that target graduate students. Join me in welcoming these new faces to our association and profession. Finally, a huge thank you is owed to the sponsors of our meetings. Without their contributions, our program would be much more limited.

—Alan Krupnick, AERE President

Welcome to Banff! We look forward to a thought provoking and stimulating conference with papers presented on a wide range of topics in environmental and natural resource economics. This year’s theme is “Mixing Oil and Water: The Nexus between Energy and Water Resources”—highlighting critical issues facing society today. We hope that this year’s idyllic setting in the Canadian Rockies will lead to a lively and engaging discussion on the cutting edge research and policy issues in the field of environmental and resource economics.

This conference takes a great deal of organization. It would not be possible without the assistance of several people putting in countless hours of work. We would like to thank our colleagues on the Organizing Committee—Carolyn Fischer (sponsored sessions) and Brian Murray (graduate student sessions) for their excellent work on all aspects of the program as well as their special sessions. We would also like to thank Susanne Dieper and Lynn van Norstrand (of VanDer Management), Juha Siikamaki (Treasurer), Alan Krupnick (President) and Cathy Kling (Past President) for their support. And in particular, we would like to thank Martino Pelli and Marilyn Voigt, without whom managing this complex process would not have been possible. Finally we thank the AERE Board for the opportunity to organize the conference and to host AERE 2013.

-Vic Adamowicz and Ujjayant Chakravorty
Co-Chairs of the Third Annual
AERE Summer Conference 2013
AERE gratefully acknowledges the funding provided for this conference by:

- Alberta School of Business
- Centre for Applied Business Research in Energy and the Environment
- Environment Canada Economics and Environmental Policy Network
- Sustainable Prosperity
- National Oceanic and Atmospheric Administration
- U.S. Department of Commerce
- Economic Research Service
- U.S. Department of Agriculture
- The Center for Agricultural and Rural Development
- Iowa State University, Ames, Iowa
Keynote speaker: Professor James Salzman  
Duke University and the Nicholas School for the Environment

Jim Salzman holds joint appointments at Duke University as the Samuel Fox Mordecai Professor of Law at the Law School and as the Nicholas Institute Professor Environmental Policy at the Nicholas School of the Environment. In more than eight books and seventy articles and book chapters, his broad-ranging scholarship has addressed topics spanning trade and environment conflicts, drinking water, environmental protection in the service economy, wetlands mitigation banking, and the legal and institutional issues in creating markets for ecosystem services.

A dedicated classroom teacher and colleague, Salzman has twice been voted Professor of the Year by students at Duke’s School of the Environment and received two Blueprint Awards from the Law School for institutional service. He has lectured on environmental policy in North and South America, Europe, Asia, Australia and Africa. He has served as a visiting professor at Yale, Stanford, and Harvard (as the Leo Gottlieb Visiting Professor) as well as at Macquarie (Australia), Lund (Sweden), and Tel Aviv (Israel) Universities and the European University Institute (Italy). He has given distinguished lectures at Florida State, Wyoming, Pace and Lewis & Clark (invited for 2013).

An honors graduate at Yale College and Harvard University, Salzman was the first Harvard graduate to earn joint degrees in law and engineering and was named a Sheldon Fellow upon graduation. He has both government and private sector work experience. Prior to entering academia, he worked in Paris in the Environment Directorate of the Organization for Economic Cooperation and Development (OECD) and in London as the European Environmental Manager for Johnson Wax. His honors include election as a Fellow of the Royal Geographical Society, as well as appointments as a McMaster Fellow and Fulbright Senior Scholar in Australia and as a Bren Fellow at the Bren School of Environmental Science & Management, University of California, Santa Barbara.

He has published four casebooks, including International Environmental Law and Policy, Foundation Press (with D. Zaelke and D. Hunter, 1998, 4th ed. 2010), the leading casebook in the field with adoptions at over 200 schools. His articles have appeared in the Penn Law Review and law reviews at Stanford University, New York University, and other legal scientific and popular journals. A national survey of environmental law professors has voted his work among the top articles of the year on six separate occasions. Salzman is active in the fields of practice and policy, serving as a Member of the Trade and Environment Policy Advisory Committee, a government-appointed body providing counsel to the EPA Administrator and U.S. Trade Representative on trade and environment issues, as well as advising several environmental non-profits.

His most recent book, Drinking Water: A History, was praised as a “Recommended Read” by Scientific American and excerpted in Natural History.

KEYNOTE ADDRESS: “DRINKING WATER: A HISTORY”
Friday, June 7
10:30-11:15 a.m.  
Location: Kinnear Centre 101/103/105
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<tr>
<th>Day</th>
<th>Time</th>
<th>Activity</th>
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<th>Keynote Address by Prof. James Salzman: “Drinking Water A History” / KC 101, 103.105</th>
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<td>Wednesday</td>
<td>5:30 to 7:30pm</td>
<td>Welcome Reception / KC 101 Galllery</td>
<td>Registration / Professional Development Centre</td>
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<td>7:00am-8:30am</td>
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<td>Workshop, Recent Advances in Program and Policy Evaluation, with Paul Ferraro and Dan Millimet / KC 101</td>
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<td>5:30pm-7:30pm</td>
<td>AERE Board Meeting / KC 203 (Invitation Only)</td>
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<td>8:00am–1:00pm</td>
<td><strong>KC 101</strong> Climate and Trade Policies</td>
<td><strong>KC 103</strong> SPONSORED SESSION I The Deepwater Horizon Spill</td>
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<td><strong>KC 201</strong> Agriculture and Emissions</td>
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<td><strong>KC 203</strong> Fisheries Behavior</td>
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<td><strong>KC 205</strong> Valuation I</td>
<td><strong>KC 206</strong> Topics in Public Goods</td>
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<td><strong>KC 210</strong> Deforestation</td>
<td><strong>KC302</strong> Experiments</td>
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<td><strong>KC 306</strong> Climate Policy</td>
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<td>10:30am–12:00pm</td>
<td>Climate Change and International Cooperation</td>
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<td><strong>A US Carbon Tax in Broader Fiscal Reform</strong></td>
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<td><strong>Managing the Blessings and Curses of Exhaustible Resources</strong></td>
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<td><strong>Ecolabels and Voluntary Mechanisms</strong></td>
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<td>Climate Policy and Carbon Leakage</td>
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<td><strong>SPONSORED SESSION II</strong> Extreme Home Makeover: Contamination Addition</td>
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<td><strong>Ecosystem Services and Markets</strong></td>
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<td><strong>SPONSORED SESSION IV</strong> Oil Rigs and Big Rigs: North American Environmental Issues</td>
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GENERAL INFORMATION ON ALL SESSIONS

All sessions are 90 minutes each. General Sessions typically include four papers. Each presenter will have 15-18 minutes, followed by 2-4 minutes of audience questions and feedback. **No presentation (including questions) can exceed 22 minutes** - this will be strictly enforced by the session chair.

Sessions with fewer than 4 papers must also follow this format - a maximum of 22 minutes per paper. This will allow audience members to move between sessions after one paper is completed and be able to see another paper start at about the same time in another session. To further enable this movement between sessions, papers should be presented in the order they appear in the program. Sponsored Sessions offer only two papers, each with 25 minutes for presentation, 10 minutes for a discussant, and 10 minutes for audience questions. Graduate Student Sessions have three papers, each with 20 minutes for presentation, 5 for discussant, and 5 for audience questions.
WEDNESDAY, 5 JUNE 2013
5:30-7:00 REGISTRATION Professional Development Centre

THURSDAY, 6 JUNE 2013
7:00-8:30 WORKSHOP BREAKFAST Vistas Dining Room (Sally Borden Bldg, 4th Floor)
8:00-1:00 REGISTRATION KC 101
8:30-5:00 PRE-CONFERENCE WORKSHOP KC 101
*Recent Advances in Program and Policy Evaluation*
Paul Ferraro, Georgia State University
Dan Millimet, Southern Methodist University
5:30-8:00 REGISTRATION KC 100 Galleria
7:00-9:00 WELCOME RECEPTION KC 103,105

FRIDAY, 7 JUNE 2013
7:00-8:30 Conference Breakfast Vistas Dining Room (Sally Borden Bldg, 4th Floor)
7:30-3:30 REGISTRATION KC 100 Galleria
08:30-10:00 PARALLEL SESSION 1
8:30-10:00 GRADUATE STUDENT SESSION I FORESTRY AND ECOSYSTEM SERVICES Room KC 103
Chairperson: Brian Murray, Duke University

ASSESSING THE EFFECTIVENESS OF THE COMMUNITY FOREST CONCESSIONS IN GUATEMALA’S MAYA BIOSPHERE RESERVE: A MATCHED DIFFERENCE-IN-DIFFERENCES APPROACH
Presenter: Lea Fortmann, The Ohio State University (OSU)
Discussant: Ruben Lubowski, Environmental Defense Fund

CASH FOR COOPERATION? PAYMENTS FOR ECOSYSTEM SERVICES AND COMMON PROPERTY MANAGEMENT IN MEXICO
Presenter: Patricia Yanez-Pagans, University of Wisconsin-Madison
Discussant: Jill Caviglia-Harris, Salisbury University

IMPLICATIONS OF COMPLETE CARBON LIFE-CYCLE ANALYSIS AND CARBON MODELLING PRACTICES FOR BOREAL FOREST MANAGEMENT IN CANADA
Presenter: Geoff McCannery, Columbia University
Co-Author(s): Vic Adamowicz, University of Alberta and Stewart Elgie, University of Ottawa
Discussant: Brent Sohngen, OSU
8:30-10:00  
**DOES ENVIRONMENTAL INFORMATION PROVISION HELP FIRMS AND CONSUMERS OPTIMIZE?**  
Chairperson: Wayne Gray, Clark University

**DOES CONTINUOUS EMISSIONS MONITORING INCREASE ENERGY EFFICIENCY OF U.S. ELECTRIC POWER PLANTS? EVIDENCE FROM THE 1990 CLEAN AIR ACT AMENDMENTS**  
Ron Shadbegian, US Environmental Protection Agency (US EPA)  
Co-Author(s): Wayne Gray, Clark University and NBER  
and Carl Pasurka, US EPA

**EVALUATING THE EFFECTIVENESS OF VOLUNTARY PROGRAMS: DID OHIO’S TOXMINUS PROGRAM AFFECT PARTICIPANTS’ TRI EMISSIONS?**  
Ann Wolverton, US EPA  

**HURRICANES, RISK COMMUNICATION, AND AVOIDANCE BEHAVIOR**  
Jay Shimshack, Tulane University  
Co-Author(s): Timothy Beatty, University of Minnesota

**DOES THE BUCK STOP HERE? INVESTIGATING DISTRIBUTIONAL ASPECTS OF GREEN CERTIFICATION**  
Linda Bui, Brandeis University

8:30-10:00  
**DEVELOPING COUNTRIES**  
Chairperson: Kelsey Jack, Tufts University

**UNANTICIPATED IMPACTS FROM A VOLUNTARY ENVIRONMENTAL POLICY: CHANGES IN FOOD SECURITY FOR CONGOLESE HOUSEHOLDS**  
Jacqueline Doremus, University of Michigan

**AGRICULTURAL PRODUCTIVITY, HOUSEHOLD SHADOW WAGES, AND NATURAL RESOURCE COLLECTION: HOUSEHOLD-SPECIFIC WAGES EXPLAIN LABOR ALLOCATION ACROSS MULTIPLE ACTIVITIES**  
Dale Manning, University of California, Davis

**THE LEAKAGE AND LIVELIHOOD IMPACTS OF PAYMENTS FOR ENVIRONMENTAL SERVICES: EVIDENCE FROM MALAWI**  
Kelsey Jack, Tufts University

8:30-10:00  
**TRANSPORT VEHICLES**  
Chairperson: Ann Wolverton,  
US Environmental Protection Agency (EPA)

**THE VALUE OF ENVIRONMENTAL STATUS SIGNALING: THE CASE OF THE TOYOTA PRIUS**  
Michael Delgado, Purdue University  
Co-Author(s): Jessica Harriger, Western Illinois University and Neha Khanna, Binghamton University
VEHICLE LIFETIME TRENDS AND SCRAPPAGE BEHAVIOR IN THE U.S. USED CAR MARKET
Yiou Zuo, Cornell University
Co-Author(s): Antonio Bento and Kevin Roth, Cornell University

THE UNINTENDED CONSEQUENCES OF UNCOORDINATED REGULATION: EVIDENCE FROM THE TRANSPORTATION SECTOR
Kevin Roth, Cornell University

ENERGY EFFICIENCY INVESTMENT DECISIONS: LESSONS FROM THE HEAVY DUTY TRUCKING SECTOR
Ann Wolverton, US EPA
Co-Author(s): Heather Klemick, US EPA and Elizabeth Kopits, US EPA

8:30-10:00
SHALE OIL AND GAS
Chairperson: Juha Siikamaki, Resources for the Future
Room KC 201

HOTELLING UNDER PRESSURE: THEORY AND EVIDENCE FROM TEXAS OIL DRILLING AND PRODUCTION
Ryan Kellogg, University of Michigan
Co-Author(s): Soren Anderson, Michigan State University and Stephen Salant, University of Michigan

THE EFFECT OF HYDRAULIC FRACTURING TRUCK TRAFFIC ON VEHICLE CRASHES
Stefan Staubli, RAND Corporation
Co-Author(s): Lucija Muehlenbachs, Resources for the Future

RISK INFORMATION AND THE WILLINGNESS TO PAY TO REDUCE ENVIRONMENTAL RISKS OF SHALE GAS DEVELOPMENT
Juha Siikamaki, Resources for the Future
Co-Author(s): Alan Krupnick, Resources for the Future

8:30-10:00
INCIDENCE AND DISTRIBUTIONAL EFFECTS
Chairperson: Sumeet Gulati, University of British Columbia
Room KC 206

DO OZONE REGULATIONS AFFECT LABOR DEMAND? EVIDENCE FROM THE 1990 CLEAN AIR ACT AMENDMENTS
Glenn Sheriff, US Environmental Protection Agency (US EPA)
Co-Author(s): Ann Ferris, US EPA and Ronald Shadbegian, US EPA

QUANTIFYING THE IMPACTS OF VEHICLE FUEL ECONOMY STANDARDS ON U.S. HOUSEHOLDS BY REGION AND INCOME
Valerie Karplus, Massachusetts Institute of Technology
Co-Author(s): Sebastian Rausch, ETH Zurich

WHO BENEFITS FROM REFORMING CAFE STANDARDS?
Benjamin Leard, Cornell University
Co-Author(s): Antonio Bento, Cornell University; Shanjun Li, Cornell University; and Kevin Roth, Cornell University
THE INCIDENCE OF TAX REBATES TO HYBRID VEHICLES
Sumeet Gulati, University of British Columbia
Co-Author(s): Carol McAusland, University of British Columbia
and James Sallee, University of Chicago

8:30-10:00
INTERTEMPORAL DYNAMICS
Chairperson: Pierre Lasserre, Université Du Québec à Montréal

STeady-State Properties in a Class of Dynamic Models
With Applications to Natural Resource Management
Yacov Tsur, Hebrew University of Jerusalem
Co-Author(s): Amos Zemel, Ben Gurion University of the Negev

Second-Best Environmental Taxation in Dynamic Models Without Commitment
Alex Schmitt, IIES, Stockholm University

The Dynamic Implications of Energy-Intensive Capital Accumulation
Agustin Perez-Barahona, INRA and Ecole Polytechnique
Co-Author(s): Burcu Afyonoğlu Fazlıoğlu, TOBB-ETU University
and Huseyin Cagri Saglam, Bilkent University

Non-Renewable Resource Supply: Substitution Effect, Compensation Effect, and All That
Pierre Lasserre, Université Du Québec à Montréal

08:30-10:00
Protected Areas, Conservation, and Land Use
Room KC 210

Amy Ando, University of Illinois at Urbana Champaign

Biodiversity Protection and Poverty: Implications of Heterogeneous Environmental and Social Responses to Protected Areas
Merlin Hanauer, Sonoma State University
Co-Author(s): Gustavo Canavire-Bacarreza, Universidad EAFIT

Governance, Institutions and the Performance of Protected Areas
Ryan Abman, University of California, Santa Barbara

Structural Estimation of Stochastic Dynamic Agent-Based Land Use Decisions.
Raymundo Marcos Martinez, University of California, Riverside
Co-Author(s): Kenneth A. Baerenklau, University of California, Riverside

Leakage and Conservation Planning
Amy Ando, University of Illinois at Urbana Champaign
Co-Author(s): Michael Bode, University of Melbourne; Morena Mills,
University of Queensland; Anna Renwick, University of Queensland;
Ayesha Tulloch, University of Queensland; and Oscar Venter,
James Cook University
8:30-10:00  ENVIRONMENTAL AGREEMENTS AND SPECIAL INTERESTS  Room KC 105
Chairperson: Scott Barrett, Columbia University

DOMESTIC POLITICS AND THE FORMATION OF INTERNATIONAL ENVIRONMENTAL AGREEMENTS
Alessandro Tavoni, London School of Economics
Co-Author(s): Simon Dietz, London School of Economics
and Carmen Marchiori, London School of Economics

ENVIRONMENTAL POLICY IN A FEDERATION WITH SPECIAL INTEREST POLITICS AND INTERGOVERNMENTAL FISCAL INCENTIVES
Divya Datt, Jawaharlal Nehru University, New Delhi, India

POLITICAL INFLUENCE IN MARKET BASED ENVIRONMENTAL REGULATION: THE CASE OF THE EU CO2 EMISSIONS TRADING SCHEME
Ashwin Rode, University of California, Santa Barbara

ON THE SENSITIVITY OF INTERNATIONAL COOPERATION TO UNCERTAINTY ABOUT CLIMATE CHANGE
Scott Barrett, Columbia University
Co-Author(s): Astrid Dannenberg, Columbia University
and Gothenburg University

8:30-10:00  RECREATION MODELING  Room KC 205
Chairperson: Gregory Poe, Cornell University

CONVERGENT VALIDITY AND TIME CONSISTENCY IN PREFERENCE STRUCTURE: AN APPLICATION OF IOWA LAKES RECREATION DEMAND
Donggyu Yi, Iowa State University (ISU)

DOES EMPLOYMENT SHOCK DURING RECESSION AFFECT OUTDOOR RECREATION? A TALE OF IOWANS’ LAKE RECREATION BEHAVIOR DURING 2009 RECESSION
Mohammad Mainul Hoque, ISU
Co-Author(s): Joseph Herriges, ISU and Catherine Kling, ISU

ESTIMATING THE EFFECTS OF NUTRIENTS AND SEDIMENTS ON WATER-BASED RECREATIONAL USES IN THE UNITED STATES
David Keiser, Yale University

A COMBINED REVEALED PREFERENCE-STATED PREFERENCE MODEL OF RECREATIONAL ANGLING RESPONSE TO AQUATIC NUISANCE SPECIES IN THE GREAT LAKES AND UPPER MISSISSIPPI AND OHIO RIVER BASINS
Gregory Poe, Cornell University
Co-Author(s): Nancy Connelly, Cornell University; Selmin Creamer, Cornell University and Ithaca College; Bruce Lauber, Cornell University; Richard Ready, The Pennsylvania State University; and Richard Stedman, Cornell University
10:00-10:30 BREAK

10:30-11:15 KEYNOTE ADDRESS
James Salzman, Duke University and the Nicholas School of the Environment
Room KC 101, 103, 105

11:15-12:00 AERE AWARDS PROGRAM
Room KC 101, 103, 105

12:00-1:30 LUNCH
Vistas Dining Room (Sally Borden Bldg, 4th Floor)

01:30-3:00 PARALLEL SESSION 2

1:30-3:00 GRADUATE STUDENT SESSION II
POLICY MECHANISMS AND EFFICIENCY
Chairperson: Brandon Schaufele, University of Ottawa

THE IMPACT OF ELECTRICITY SECTOR RESTRUCTURING ON COAL-FIRED POWER PLANTS IN INDIA
Presenter: Kabir Malik, University of Maryland, College Park
Co-Author(s): Maureen Cropper, University of Maryland, College Park
Discussant: Meredith Fowlie, University of California, Berkeley

EFFICIENCY COSTS OF NON-EFFICIENCY OBJECTIVES IN TRADABLE PERMIT PROGRAMS
Presenter: Kailin Kroetz, University of California (UC), Davis
Co-Author(s): Daniel Lew, Alaska Fisheries Science Center, National Marine Fisheries Service and James Sanchirico, UC Davis
Discussant: Martin Smith, Duke University

THE IMPACT OF ENERGY CONSERVATION PROGRAMS ON RESIDENTIAL ELECTRICITY USE: EVIDENCE FROM A FIELD EXPERIMENT
Presenter: Onur Sapci, University of Wyoming
Co-Author(s): Timothy Considine, University of Wyoming
Discussant: Karen Palmer, Resources for the Future

1:30-3:00 AGRICULTURE AND ADAPTATION TO CLIMATE CHANGE
Room KC 203

AGRICULTURAL ADAPTATION TO CLIMATE CHANGE: POTENTIAL ENVIRONMENTAL IMPACTS OF SHIFTING REGIONAL WATER BALANCES
Elizabther Marshall, USDA
Co-Author(s): Marcel Aillery and Scott Malcolm, USDA

ON THE USE OF GROWING DEGREE DAYS IN ECONOMETRIC ESTIMATES OF CLIMATE CHANGE IMPACTS ON AGRICULTURE
Emanuele Massetti, Yale University and FEEM
Co-Author(s): Robert Mendelsohn, Yale University
UNDERSTANDING TEMPERATURE AND MOISTURE INTERACTIONS IN THE ECONOMICS OF CLIMATE CHANGE IMPACTS AND ADAPTATION ON AGRICULTURE
Ariel Ortiz-Bobea, University of Maryland

IMPACT OF FUTURE AGRICULTURAL PRODUCTIVITY GAINS ON GREENHOUSE GAS EMISSIONS: A GLOBAL ANALYSIS
Carol Jones, USDA
Co-Author(s): Ronald Sands, USDA

1:30-3:00
NATURAL GAS
Chairperson: Scott Holladay, University of Tennessee

THE CLIMATE IMPACTS OF A SWITCH TOWARDS NATURAL GAS VEHICLES IN THE U.S. HEAVY-DUTY SECTOR
Susanne Brooks, Environmental Defense Fund (EDF) and Jonathan Camuzeaux, EDF
Co-Author(s): Ramon Alvarez, EDF and Thomas Sterner, EDF, University of Gothenburg

REGULATORY FLEXIBILITY IN THE FACE OF CHANGING MARKET CONDITIONS: THE CASE OF CHEAP NATURAL GAS
Jacob LaRiviere, University of Tennessee
Co-Author(s): Scott Holladay, University of Tennessee

THE EFFECTS OF OIL AND GAS FISCAL REGIMES ON EXPLORATION AND PRODUCTION DECISIONS
Timothy Fitzgerald, Montana State University
Co-Author(s): Andrew Stocking, Congressional Budget Office

OPTIMAL CAPACITY ALLOCATION IN RESPONSE TO INPUT PRICE SHOCKS: THE CASE OF CHEAP NATURAL GAS
Scott Holladay, University of Tennessee
Co-Author(s): Jacob LaRiviere, University of Tennessee

1:30-3:00
DEVELOPMENT AND ENERGY
Chairperson: Maureen Cropper, University of Maryland, College Park

INTENSIVE MARGIN OF ELECTRIFICATION: EVIDENCE FROM RURAL INDIA
Martino Pelli, University of Alberta
Co-Author(s): Ujjayant Chakravorty, Tufts University and Beyza Ural Marchand, University of Alberta

PREFERENCES FOR IMPROVED COOK STOVES IN RURAL INDIA: IMPLICATIONS FOR SCALING-UP
Marc Jeuland, Duke University
Co-Author(s): Subhrendu Pattanayak, Duke University
DEPLOYING WIND POWER IN BRAZIL: A QUANTITATIVE EVALUATION OF PROINFA
Dimitri Szerman, Pontificia Universidade Catolica do Rio de Janeiro (PUC-Rio) and Climate Policy Initiative
Co-Author(s): Juliano Assunção, Climate Policy Initiative and PUC-Rio and Joana Chiavari, Climate Policy Initiative and PUC-Rio

THE IMPACT OF POLICIES TO REDUCE FUEL CONSUMPTION IN THE INDIAN CAR MARKET
Maureen Cropper, University of Maryland, College Park
Co-Author(s): Randy Chugh, United States Department of Justice

1:30-3:00

TRANSPORTATION: FUEL ECONOMY
Chairperson: Ashley Langer, University of Arizona

AUTOMAKER RESPONSES TO FUEL ECONOMY STANDARDS
Kenneth Gillingham, Yale University
Co-Author(s): Antonio Bento, Cornell University; Kevin Roth, Cornell University; and Yiwei Wang, Cornell University

MIXED IMPACTS OF FUEL ECONOMY STANDARD AND SMALL ENGINE DISPLACEMENT SUBSIDIES ON VEHICLE TECHNOLOGICAL ATTRIBUTES IN CHINA
Yueming (Lucy) Qiu, Arizona State University
Co-Author(s): Yang Shu, Huazhong University of Science and Technology and Yang Yu, Stanford University

AN EVALUATION OF THE ONTARIO VEHICLE FEEBATE: THE TAX AND TAX CREDIT FOR FUEL CONSERVATION
Nic Rivers, University of Ottawa
Co-Author(s): Brandon Schaufele, University of Ottawa

STEP ON IT: EVIDENCE ON THE VARIATION IN ON-ROAD FUEL ECONOMY
Ashley Langer, University of Arizona
Co-Author(s): Shaun McRae, University of Michigan

1:30-3:00

WATER
Chairperson: John Braden, University of Illinois at Urbana-Champaign (UIUC)

FLEXIBLE PRACTICE-BASED APPROACHES FOR CONTROLLING MULTIPLE AGRICULTURAL NONPOINT-SOURCE WATER POLLUTION
Catherine Kling, Iowa State University (ISU)
Co-Author(s): Valcu Adriana, ISU and Rabotyagov Sergey, University of Washington

WATER QUALITY TRADING: CAN WE GET THE PRICE OF POLLUTION RIGHT?
Jay Coggins, University of Minnesota
Co-Author(s): Yoshifumi Konishi, Sophia University and Bin Wang, The Pennsylvania State University
THE IMPACT OF DRINKING WATER VIOLATIONS ON PERINATAL HEALTH
Matthew Harding, Stanford University

HUMANS AND THE WATER ENVIRONMENT: THE NEED FOR COORDINATED DATA COLLECTION
John Braden, UIUC
Co-Author(s): Christina Jolejole-Foreman, UIUC
and Daniel Schneider, UIUC

1:30-3:00
LAND USE
Chairperson: Chris Barrington-Leigh, McGill University

THE EFFECTS OF LAND USE DEVELOPMENT POLICIES ON FOREST MANAGEMENT
Sofia Franco, Nova School Business and Economics
Co-Author(s): Maria Cunha-e-Sa, Nova School Business and Economics

A SPATIAL ANALYSIS OF LAND AND WATER USE IN OREGON’S WILLAMETTE VALLEY
Daniel Bigelow, Oregon State University
Co-Author(s): Andrew Plantinga, Oregon State University

EVALUATING THE IMPACT OF ALTERNATIVE LAND USE POLICIES ON RESIDENTIAL LAND DEVELOPMENT USING A STRUCTURAL SUPPLY MODEL
Doug Wrenn, The Ohio State University
Co-Author(s): Elena Irwin and David Newburn, University of Maryland, College Park

CARBON PRICING AND THE PATH-DEPENDENCE OF URBAN SPRAWL
Chris Barrington-Leigh, McGill University
Co-Author(s): Adam Millard-Ball, University of California, Santa Cruz

1:30-3:00
UNCERTAINTY AND DISCOUNTING
Chairperson: Timothy Richards, Arizona State University

OPTIMALLY CLIMATE SENSITIVE POLICY: A COMPREHENSIVE EVALUATION OF UNCERTAINTY & LEARNING
Svenn Jensen, University of California, Berkeley
Co-Author(s): Christian Traeger, University of California, Berkeley

IRREVERSIBILITY IN ENVIRONMENTAL POLICY: AVOIDING THE POINT OF NO RETURN OR DELAYING THE INEVITABLE
Charles Sims, Utah State University
Co-Author(s): David Finnoff, University of Wyoming

THE SOCIAL DISCOUNT RATE UNDER A STOCHASTIC A2 SCENARIO
Rob Aalbers, Netherlands Bureau for Economic Policy Analysis
Co-Author(s): Marjon Ruijter, CWI National Research Institute for Mathematics and Computer Science
HYPERBOLIC DISCOUNTING AND ENVIRONMENTAL GOODS
Timothy Richards, Arizona State University
Co-Author(s): Gareth Green, Seattle University

1:30-3:00

CLIMATE POLICY, TECHNOLOGY, AND THE GREEN PARADOX
Chairperson: Mads Greaker, Statistics Norway

THE GREEN PARADOX OF THE ECONOMICS OF EXHAUSTIBLE RESOURCES
Robert Cairns, McGill University

LIMITS TO LIMITING GREENHOUSE GASES: INTERTEMPORAL LEAKAGE, SPATIAL LEAKAGE, AND NEGATIVE LEAKAGE
Carolyn Fischer, Resources for the Future
Co-Author(s): Steve Salant, University of Michigan

THE SPILLOVERS FROM CLEAN TECHNOLOGIES
Myra Mohnen, University College London
Co-Author(s): Antoine Dechezleprêtre, London School of Economics and Ralf Martin, Imperial College London

OPTIMAL ENVIRONMENTAL POLICY WITH NETWORK EFFECTS
Mads Greaker, Statistics Norway
Co-Author(s): Kristoffer Midtømme, University of Oslo

1:30-3:00

AIR POLLUTION
Chairperson: Antonio Bento, Cornell University

A RELOOK AT THE ENVIRONMENTAL KUZNETS CURVE FOR AIR POLLUTION
William Jaeger, Oregon State University
Co-Author(s): Van Kolpin, University of Oregon and Ryan Siegel, Oregon State University

COAL, SMOKE, AND DEATH: BITUMINOUS COAL AND AMERICAN HOME HEATING, 1920-1959
Karen Clay, Carnegie Mellon University
Co-Author(s): Alan Barreca, Tulane University and Joel Tarr, Carnegie Mellon University

OPTIMAL REGULATION OF AIR POLLUTION WITH DAMAGES
David Bielen, Duke University
Co-Author(s): Andrew Yates, University of North Carolina-Chapel Hill

REDISTRIBUTION, DELEGATION, AND REGULATOR’S INCENTIVES: EVIDENCE FROM THE CLEAN AIR ACT
Antonio Bento, Cornell University
Co-Author(s): Matthew Freedman, Cornell University and Corey Lang, University of Rhode Island

3:00-3:30

BREAK
### PARALLEL SESSION 3

**3:30-5:00 GRADUATE STUDENT SESSION III**

**WATER, RECREATION AND FISHERIES**

Chairperson: M. Scott Taylor, University of Calgary

**ESTIMATING WATER DEMAND AT THE INTENSIVE AND EXTENSIVE MARGIN: THE ROLE OF LANDSCAPE DYNAMICS**

Presenter: Daniel Brent, University of Washington
Discussant: Catherine Kling, Iowa State University

**REVEALED PREFERENCES IN RECREATIONAL TRAVEL COST MODELS**

Presenter: Ashley Vissing, Duke University
Co-Author(s): Nick Hanley, University of Stirling; Stephen Hynes, NUI Galway; and Christopher Timmins, Duke University
Discussant: Peter Boxall, University of Alberta

**PUTTING A PRICE ON LICE: QUANTIFYING THE BIOLOGICAL AND ECONOMIC IMPACTS OF SEA LICE ON FARMED SALMONIDS**

Presenter: Jay Abolafia, University of California (UC), Davis
Co-Author(s): Frank Asche, University of Stavanger, Norway; Atle Guttormsen, Norwegian University of Life Sciences; and James Wilen, UC Davis
Discussant: Joshua Abbott, Arizona State University

**3:30-5:00 OIL SANDS INNOVATION ALLIANCE**

Chairperson: Emilson Silva, University of Alberta

**ON THE TIMING OF NON-RENEWABLE RESOURCE EXTRACTION WITH REGIME SWITCHING PRICES: AN APPLICATION TO THE ALBERTA OIL SANDS**

Margaret Insley, University of Waterloo

**THE COSTS OF PROTECTING THE WILD: EVIDENCE FROM AUCTIONS FOR NATURAL RESOURCE DEVELOPMENT**

Branko Boskovic, University of Alberta
Co-Author(s): Linda Nostbakken, University of Alberta

**CANADA’S OIL SANDS INNOVATION ALLIANCE: STRATEGIC RATIONALE AND EFFECTS**

Emilson Silva, University of Alberta

**3:30-5:00 TRANSPORTATION: PRICING EXTERNALITIES**

Chairperson: David Austin, Congressional Budget Office

**DO DRIVERS RESPOND TO CONGESTION PRICING?: EVIDENCE FROM LOS ANGELES**

Andrew Waxman, Cornell University
Co-Author(s): Antonio Bento, Cornell University and Jonathan Hughes, University of Colorado-Boulder
CONSUMER WELFARE EFFECTS OF CONVERSION FROM HOV TO HOT LANE
Austin Gross, University of Washington
Co-Author(s): Daniel Brent, University of Washington

SALIENCE OF CARBON TAXES IN THE GASOLINE MARKET
Brandon Schaufele, University of Ottawa
Co-Author(s): Nicholas Rivers, University of Ottawa

SOCIAL-COST PRICING IN FREIGHT TRANSPORTATION
David Austin, Congressional Budget Office

3:30-5:00
GROUNDWATER
Chairperson: Ujjayant Chakravorty, Tufts University

VALUING GROUNDWATER SERVICES BASED ON SPATIAL HETEROGENEITY OF BIOPHYSICAL CHARACTERISTICS: A GEOSPATIAL HEDONIC ANALYSIS
Monobina Mukherjee, University of California, Riverside
Co-Author(s): Kurt Schwabe, University of California, Riverside

GROUNDWATER MANAGEMENT WITH DECLINING DISCOUNT RATES
Susan Stratton Sayre, Smith College

EFFECTS OF IRRIGATION-EFFICIENCY IMPROVING POLICIES ON COMMON-POOL GROUNDWATER USE AND DEPLETION: RESULTS FOR WESTERN KANSAS
Nicolas Quintana Ashwell, Kansas State University
Co-Author(s): Jeffrey Peterson, Kansas State University

BOOM AND BUST: THE INDUSTRIAL ORGANIZATION OF GROUNDWATER
Ujjayant Chakravorty, Tufts University
Co-Author(s): Eswaran Somanathan, Indian Statistical Institute

3:30-5:00
REGULATING FIRMS
Chairperson: Mary Evans, Claremont McKenna College

THE EFFECT OF PCE REGULATION ON DRY CLEANING FIRM EXITS
Brian Vander Naald, University of Alaska Southeast
Co-Author(s): Trudy Ann Cameron, University of Oregon

INTRA-INDUSTRY REALLOCATIONS AND LONG-RUN IMPACTS OF ENVIRONMENTAL REGULATIONS
Nori Tarui, University of Hawaii
Co-Author(s): Yoshifumi Konishi, Sophia University

REGULATORY COSTS DURING TRANSITION PERIODS: US MANUFACTURING PRODUCTIVITY IN THE 1970S
Wayne Gray, Clark University
OVER-COMPLIANCE AND CROSS-MEDIA EFFECTS OF ENFORCEMENT
Mary Evans, Claremont McKenna College
Co-Author(s): Scott Gilpatric, University of Tennessee

RESOURCES AND HEALTH
Chairperson: David Finnoff, University of Wyoming

PASTEURIZATION AND PUBLIC HEALTH: A STUDY OF CITY MILK SUPPLY AND INFANT MORTALITY IN THE US 1920 TO 1930
Huiqiang Wang, University of Rhode Island

CAN IRRIGATION MITIGATE THE IMPACTS OF WEATHER SHOCKS ON CHILD HEALTH? EVIDENCE FROM HOUSEHOLD-LEVEL IRRIGATION ADOPTION IN INDIA
Yusuke Kuwayama, Resources for the Future
Co-Author(s): Kathy Baylis, University of Illinois at Urbana-Champaign and Eeshani Kandpal, World Bank Group

MANAGING THE ENDOGENOUS RISK OF DISEASE OUTBREAKS
David Finnoff, University of Wyoming
Co-Author(s): Kevin Berry, University of Wyoming; Richard Horan, Michigan State University; and Jason Shogren, University of Wyoming

MODELING RESOURCES AND COMMON PROPERTY
Chairperson: Eli Fenichel, Yale University

THE EFFECTS OF PROPERTY RIGHTS ON RESOURCE EXPLOITATION
Corbett Grainger, University of Wisconsin, Madison
Co-Author(s): Christopher Costello, University of California, Santa Barbara, LAMETA, NBER and Ray Hilborn, University of Washington

NATURAL RESOURCE SHARING UNDER UNEQUAL ACCESS
Stefan Ambec, Toulouse School of Economics

LINKED COMMON-PROPERTY RESOURCES WITH CONGESTION EXTERNALITIES
Jonathan Hughes, University of Colorado, Boulder
Co-Author(s): Daniel Kaffine, Colorado School of Mines

NATURAL CAPITAL: FROM METAPHOR TO MEASUREMENT
Eli Fenichel, Yale University

REGULATORY ENFORCEMENT
Chairperson: Dietrich Earnhart, University of Kansas

HOW STRATEGIC ARE ENVIRONMENTAL VIOLATIONS?
Sarah Stafford, College of William and Mary
DO NONPROFITS ENCOURAGE COMPLIANCE? WATERSHED GROUPS AND THE U.S. CLEAN WATER ACT
Laura Grant, University of Wisconsin-Milwaukee
Co-Author(s): Katherine Grooms, University of California, Santa Barbara

ENFORCING THE CLEAN WATER ACT: THE EFFECT OF STATE-LEVEL CORRUPTION ON COMPLIANCE
Katherine Grooms, University of California, Santa Barbara

CERTAINTY OF PUNISHMENT VS SEVERITY OF PUNISHMENT: DETERRENCE AND WASTEWATER DISCHARGES
Dietrich Earnhart, University of Kansas
Co-Author(s): Lana Friesen, University of Queensland

3:30-5:00
INDUSTRY AND THE EFFECTS OF EMISSIONS REGULATION
Chairperson: Billy Pizer, Duke University

AN EVALUATION OF THE IMPACT OF THE EU EMISSIONS TRADING SYSTEM ON THE INDUSTRIAL SECTOR. EVIDENCE FROM MICRODATA
Ralf Martin, Imperial College London
Co-Author(s): Jonathan Colmer, London School Economics; Mirabelle Muuls, Imperial College London; and Ulrich Wagner, Universidad Carlos III Madrid

THE IMPACTS ON INDUSTRIAL ACTIVITY OF ENVIRONMENTAL REGULATIONS IN CHINA (ABSTRACT 1)
Chunhua Wang, University of International Business and Economics

WHY HAVE GREENHOUSE EMISSIONS IN RGGI STATES DECLINED? AN ECONOMETRIC ATTRIBUTION TO MACROECONOMIC, ENERGY MARKET AND POLICY FACTORS
Brian Murray, Duke University
Co-Author(s): Peter Maniloff, Duke University and Evan Murray, Duke University

HOW WILL CLIMATE CHANGE POLICIES AFFECT DOMESTIC MANUFACTURING?
Billy Pizer, Duke University
Co-Author(s): Joseph Aldy, Harvard University

5:30-8:30
AERE BOARD MEETING (INVITATION ONLY)
### SATURDAY, 8 JUNE 2013

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<td><strong>CONFERENCE BREAKFAST</strong></td>
<td>Vistas Dining Room (Sally Borden Bldg, 4th Fl)</td>
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<td>8:00-1:00</td>
<td><strong>REGISTRATION</strong></td>
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<td>8:30-10:00</td>
<td><strong>PARALLEL SESSION 4</strong></td>
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<td>8:30-10:00</td>
<td><strong>CLIMATE AND TRADE POLICIES</strong></td>
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<td>Chairperson: Carol McAusland, University of British Columbia</td>
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<td><strong>CLIMATE POLICY AND VERTICAL SPECIALIZATION IN MULTI-STAGE PRODUCTION PROCESSES</strong></td>
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<td>Oliver Schenker, Centre for European Economic Research (ZEW) Mannheim</td>
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<td>Co-Author(s): Simon Koesler, ZEW Mannheim and Andreas Löschel, ZEW Mannheim</td>
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<td><strong>ASYMMETRIC INDUSTRIAL ENERGY PRICES AND INTERNATIONAL TRADE</strong></td>
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<td>Misato Sato, London School of Economics</td>
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<td>Co-Author(s): Antoine Dechezleprêtre, London School of Economics</td>
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<td><strong>ENVIRONMENTAL AND HEALTH PROTECTIONS, OR NEW PROTECTIONISM? DETERMINANTS OF SPS NOTIFICATIONS BY WTO MEMBERS</strong></td>
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<td>Emma Aisbett, University of Hamburg</td>
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<td>Co-Author(s): Lee M. Pearson, Imperial College London</td>
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<td><strong>CARBON FOOTPRINT TAXES</strong></td>
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<td>Carol McAusland, University of British Columbia</td>
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<td>Co-Author(s): Nouri Najjar, University of British Columbia</td>
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<td>8:30-10:00</td>
<td><strong>SPONSORED SESSION I</strong></td>
<td>Room KC 103</td>
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<td><strong>THE DEEPWATER HORIZON OIL SPILL</strong></td>
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<td>Chairperson: Alan Krupnick, Resources for the Future</td>
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<td><strong>THE GULF OIL SPILL: NEWS AND SOCIAL COSTS</strong></td>
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<td>Presenter: Scott Farrow, University of Maryland, Baltimore County/ Woods Hole Oceanographic</td>
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<td>Co-Author(s): Douglas Larson, University of California, Davis</td>
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<td>Discussant: Thomas Lyon, University of Michigan</td>
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<td><strong>THE LABOR MARKET IMPACTS OF THE 2010 DEEPWATER HORIZON OIL SPILL AND OFFSHORE DRILLING MORATORIUM</strong></td>
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<td>Presenter: Joseph Aldy, Harvard University</td>
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<td>Discussant: Richard Morgenstern, Resources for the Future</td>
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<td>8:30-10:00</td>
<td><strong>VALUATION I</strong></td>
<td>Room KC 205</td>
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<td>Chairperson: Lynne Lewis, Bates College</td>
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VALUING CHANGES IN VISIBILITY CONDITIONS IN NATIONAL PARKS AND WILDERNESS AREAS: SHIFTING DISTRIBUTIONS
Chip Paterson, Principal, Industrial Economics, Inc.
Co-Author(s): Kevin Boyle, Virginia Tech; Richard Carson, University of California, San Diego; Barbara Kanninen, BK Econometrics; and Christopher Leggett, Statistics and Economics Consulting

CVM IN OUTER SPACE: COMPARING SINGLE BOUND AND DOUBLE BOUND WTP OF LANDSAT USERS FOR SATELLITE IMAGERY
John Loomis, Colorado State University
Co-Author(s): Lynne Koontz, US Geological Survey; Stephan Koontz, Colorado State University; Holly Miller, U.S. Geological Survey; and Leslie Richardson, US Geological Survey

WILLINGNESS TO PAY FOR ANADROMOUS FISHERIES RESTORATION: DISTANCE DECAY AND RIVER REPUTATION
Lynne Lewis, Bates College
Co-Author(s): Guillermo Herrera, Bowdoin College and Lindsay Thompson

08:30-10:00 ELECTRICITY
Room KC 105
Chairperson: Joshua Linn, Resources for the Future (RFF)

CORPORATE INCENTIVES AND NUCLEAR SAFETY
Catherine Hausman, University of California, Berkeley

CLIMATE POLICY UNCERTAINTY AND INVESTMENT BEHAVIOR: EVIDENCE FROM HYDROPOWER PLANTS
Kristin Linnerud, CICERO
Co-Author(s): Stein-Erik Fleten, Norwegian University of Science and Technology (NTNU) and Ane Marte Heggedal, NTNU

HOW DO LOW NATURAL GAS PRICES BENEFIT ELECTRICITY CONSUMERS AND THE ENVIRONMENT?
Joshua Linn, RFF

08:30-10:00 DEFORESTATION
Room KC 210
Chairperson: Kathy Baylis, University of Illinois

DOES CREDIT AFFECT DEFORESTATION? EVIDENCE FROM A RURAL CREDIT POLICY IN THE BRAZILIAN AMAZON
Romero Rocha, Climate Policy Initiative (CPI) and PUC-Rio
Co-Author(s): Juliano Assunção, CPI and PUC-Rio, Clarissa Gandour, CPI and PUC-Rio and Rudi Rocha, Instituto de Economia-UFRJ

(DEST)RING ILLEGAL DEFORESTATION IN THE BRAZILIAN AMAZON
Clarissa Gandour, CPI & PUC-Rio
Co-Author(s): Juliano J. Assunção, CPI & PUC-Rio and Romero Rocha, CPI & PUC-Rio
THE PRICE OF OUR VANISHING FORESTS: A SPATIAL HEDONIC STUDY OF ECOSYSTEM SERVICES IN THE BRAZILIAN AMAZON
Jill Caviglia-Harris, Salisbury University
Co-Author(s): Katrina Mullan, University of Montana and Erin Sills, North Carolina State University

WHAT DRIVES FOREST LEAKAGE?
Kathy Baylis, University of Illinois
Co-Author(s): Don Fullerton, University of Illinois and Payal Shah, University of Illinois

08:30-10:00
EXPERIMENTS
Room KC 302
Chairperson: Arthur Caplan, Utah State University

MANAGING COMMON POOL RESOURCE CONGESTION: INCENTIVES VS. INFORMATION
Sarah Jacobson, Williams College
Co-Author(s): Jason Delaney, Georgia Gwinnett College

ELICITING RATES OF TIME PREFERENCE USING AN INCENTIVE COMPATIBLE EXPERIMENTAL DESIGN
Andrew Meyer, Ohio Wesleyan University

SOCIAL NORMS AND FARMER’S PREFERENCES TOWARDS BIODIVERSITY CONSERVATION CONTRACTS
Maria Loureiro, University Santiago de Compostela
Co-Author(s): Eva Iglesias, UPM and Maria Alló, University Santiago de Compostela

MEASURING THE ENVIRONMENTAL COST OF HYPOCRISY
Arthur Caplan, Utah State University

08:30-10:00
TOPICS IN PUBLIC GOODS
Room KC 206
Chairperson: Christian Vossler, University of Tennessee

MAINTAINING PUBLIC GOODS: HOUSEHOLD VALUATION OF NEW AND RENOVATED LOCAL PARKS
H. Allen Klaiber, The Ohio State University
Co-Author(s): Mitch Livy, The Ohio State University

PRIVATE PROVISION OF PUBLIC GOODS: EVIDENCE FROM THE EFFECT OF ENVIRONMENTAL GROUPS ON WATER QUALITY
Christian Langpap, Oregon State University
Co-Author(s): Laura Grant, University of Wisconsin-Milwaukee

SPATIAL SPILLOVER EFFECTS FOR WILDFIRE MITIGATION AMONG WUI HOMEOWNERS
Patricia Champ, US Forest Service (USFS)
Co-Author(s): Hannah Brenkert-Smith, University of Colorado at Boulder; James Meldrum, University of Colorado at Boulder; and Travis Warziniack, USFS
EXPLORING THE ROBUSTNESS OF THE WTP-WTA GAP FOR PUBLIC GOODS
Christian Vossler, University of Tennessee
Co-Author(s): Michael Price, Georgia State University and Jens Schubert, University of Tennessee

08:30-10:00 AGRICULTURE AND EMISSIONS
Chairperson: Brent Sohngen, The Ohio State University

THE RELATIVE PRICE OF AGRICULTURE: THE EFFECT OF FOOD SECURITY ON THE SOCIAL COST OF CARBON
Peter Howard, New York University

THE EFFECT OF GROUND-LEVEL OZONE ON US MAIZE YIELDS
Wolfram Schlenker, University of California, Berkeley
Co-Author(s): Christopher Boone, Columbia University and Juha Siikamäki, Resources for the Future

THE EFFECT OF CLIMATE ON CROP INSURANCE PREMIUM RATES AND PRODUCER SUBSIDIES
Jesse Tack, Mississippi State University

08:30-10:00 CLIMATE POLICY
Chairperson: Johannes Emmerling, Fondazione Eni Enrico Mattei (FEEM)

ENERGY POVERTY
David Bael, University of Minnesota
Co-Author(s): Lawrence Baker, University of Minnesota; Jay Coggins, University of Minnesota; and Kristen Nelson, University of Minnesota

DISTINGUISHING SPOT AND OPTIONS MARKET TRANSACTIONS FOR AVOIDED DEFORESTATION CREDITS: THE ROLE OF MULTIPLE MARKET INSTRUMENTS UNDER CLIMATE POLICY UNCERTAINTY
Alexander Golub, American University
Co-Author(s): Ruben Lubowski, Environmental Defense Fund (EDF) and Columbia University and Pedro Piris-Cabezas, EDF

CROPLAND PRODUCTIVITY, CARBON SEQUESTRATION, AND COMMODITY PRICES
Suk-Won Choi, The Ohio State University
Co-Author(s): Sara Ohrel, US Environmental Protection Agency and Brent Sohngen, The Ohio State University
GEOENGINEERING AND ABATEMENT: A ‘FLAT’ RELATIONSHIP UNDER UNCERTAINTY
Johannes Emmerling, FEEM

08:30-10:00 FISHERIES BEHAVIOR
Chairperson: Kathy Segerson, University of Connecticut

MANAGEMENT INSTITUTIONS, INCENTIVES AND THE MULTIPLE MARGINS OF SELECTIVITY IN FISHING: EVIDENCE FROM A “NON-SELECTIVE” TRAWL FISHERY
Joshua Abbott, Arizona State University
Co-Author(s): Alan Haynie, National Marine Fisheries Service and Matthew Reimer, University of Alaska, Anchorage

INSTITUTIONAL DEPENDENCE OF THE FISHERY PRODUCTION FUNCTION
Matthew Reimer, University of Alaska, Anchorage
Co-Author(s): Joshua Abbott, Arizona State University and James Wilen, University of California, Davis

SPILLOVERS IN REGIONAL FISHERIES MANAGEMENT: DO CATCH SHARES CAUSE LEAKAGE?
Martin Smith, Duke University
Co-Author(s): Lori Bennear, Duke University and Samuel Cunningham, North Pacific Fishery Management Council

INDIVIDUAL VS. COLLECTIVE QUOTAS IN FISHERIES MANAGEMENT
Kathy Segerson, University of Connecticut
Co-Author(s): Rong Zhou, University of Connecticut

10:00-10:30 BREAK

10:30-12:00 PARALLEL SESSION 5

10:30-12:00 CLIMATE CHANGE AND INTERNATIONAL COOPERATION
Chairperson: Itziar Lazkano, University of Wisconsin-Milwaukee

SCALE AND TRANSFERS IN INTERNATIONAL EMISSIONS OFFSET PROGRAMS
Arthur van Benthem, University of Pennsylvania
Co-Author(s): Suzi Kerr, Motu Economic and Public Policy Research

LINKING AND DELINKING POLLUTION PERMIT MARKETS
Andrew Yates, University of North Carolina, Chapel Hill
Co-Author(s): William Pizer, Duke University

CLIMATE CHANGE: WHO WILL TAKE THE HEAT
Helene Ollivier, University of Paris 1, Centre National de la Recherche Scientifique (CNRS)
Co-Author(s): Gal Hochman, Rutgers, The State University of New Jersey and David Zilberman, University of California, Berkeley
CLIMATE CHANGE ADAPTATION: HOW DOES HETEROGENEITY IN ADAPTATION AFFECT CLIMATE COALITIONS?
Itziar Lazkano, University of Wisconsin-Milwaukee
Co-Author(s): Walid Marrouch, CIRANO and Lebanese American University and Bruno Nkuiya, University of Laval

10:30-12:00 SPONSORED SESSION II
ENERGY AND WATER: QUANTIFYING THE IMPACT
Chairperson: Catherine Kling, Iowa State University

ENERGY PRICES AND GROUNDWATER EXTRACTION IN AGRICULTURE
Presenter: C.-Y. Cynthia Lin, University of California, Davis
Co-Author(s): Lisa Pfeiffer, NOAA National Marine Fisheries Service
Discussant: Yusuke Kuwayama, Resources for the Future (RFF)

OVERLAPS AND CAUSALITY IN AQUATIC ECOSYSTEM IMPACTS OF ENERGY FACILITIES: EVALUATING BENEFITS OF COOLING WATER INTAKE REGULATIONS UNDER SECTION 316B OF THE CLEAN WATER ACT
Presenter: Robert Johnston, Clark University
Co-Author(s): Elena Besedin, Abt Associates; Erik Helm, US Environmental Protection Agency; and Ryan Stapler, Abt Associates
Discussant: Alan Krupnick, RFF

10:30-12:00 VALUATION II
Chairperson: Jürgen Meyerhoff, Technische Universität Berlin

CONSEQUENTIAL CHOICE EXPERIMENTS, CASH AND RESTORATION OF NROC’S ECOSYSTEM: DO THE PROVISION RULES MATTER?
Achyut Kafele, University of Rhode Island
Co-Author(s): Stephen Swallow, University of Connecticut

SOURCES OF HYPOTHETICAL BIAS IN PUBLIC GOODS EXPERIMENTS: A DISAGGREGATED APPROACH
Emi Uchida, University of Rhode Island (URI)
Co-Author(s): Julie Insignares-Santos, URI

THE INFLUENCE OF DESIGN DIMENSIONS ON STATED CHOICES—AN EXAMPLE FROM ENVIRONMENTAL VALUATION USING A DESIGN-OF-DESIGNS APPROACH
Jürgen Meyerhoff, Technische Universität Berlin
Co-Author(s): Malte Oehlmann, Technische Universität Berlin, Germany and Priska Weller, Thünen Institut, Hamburg

10:30-12:00 ELECTRICITY DEMAND
Chairperson: Max Auffhammer, University of California (UC), Berkeley

KNOWLEDGE IS (LESS) POWER: EXPERIMENTAL EVIDENCE FROM RESIDENTIAL ENERGY USE
David Rapson, UC, Davis
Co-Author(s): Katrina Jessoe, UC Davis
THE EFFECT OF A MANDATORY TIME-OF-USE PRICING REFORM ON RESIDENTIAL ELECTRICITY USE
Katrina Jessoe, UC Davis
Co-Author(s): David Rapson, UC Davis

POWERING UP CHINA: THE DRIVERS OF DOMESTIC ENERGY CONSUMPTION
Max Auffhammer, UC, Berkeley
Co-Author(s): Catherine Wolfram, UC, Berkeley

10:30-12:00 ECOLABELS AND VOLUNTARY MECHANISMS
Chairperson: Thomas Lyon, University of Michigan

ECOLABEL COMPETITION AND GRADATION
Klaas van’t Veld, University of Wyoming
Co-Author(s): Yuanhao Li, University of Wyoming

PARTICIPATION AND EFFICIENCY OF PAY-FOR-PERFORMANCE MECHANISMS
Hernan Bejarano, The Pennsylvania State University and Chapman University
Co-Author(s): James Shortle, The Pennsylvania State University

THIRD PARTY VERIFICATION AND THE EFFECTIVENESS OF VOLUNTARY POLLUTION ABATEMENT PROGRAMS: EVIDENCE FROM RESPONSIBLE CARE
Martina Vidovic, Rollins College
Co-Author(s): Michael Delgado, Purdue University and Neha Khanna, Binghamton University

A THEORY OF MULTI-TIER ECOLABELS
Thomas Lyon, University of Michigan
Co-Author(s): Carolyn Fischer, Resources for the Future

10:30-12:00 FORESTRY
Chairperson: Brooks Kaiser, University of Southern Denmark

THE EFFECT OF TREE LOSS DURING DEVELOPMENT ON CARBON STORAGE AND THE VALUE OF HOMES.
Diane Hite, Auburn University
Co-Author(s): Luke Marzen, Auburn University and Brent Sohngen, The Ohio State University

MODELING A DYNAMIC FOREST SECTOR IN A GENERAL EQUILIBRIUM FRAMEWORK
Tian Xiaohui, The Ohio State University
Co-Author(s): Ron Sands, US Department of Agriculture and Brent Sohngen, The Ohio State University

DEFORESTING THE AMERICAN MIDWEST: PROPERTY RIGHTS AND RESOURCE DYNAMICS IN THE 19TH CENTURY.
Brooks Kaiser, University of Southern Denmark
Co-Author(s): Michael Margolis, Gettysburg College
10:30-12:00  **BIOENERGY**

Chairperson: G Cornelis van Kooten, University of Victoria

**AN ECONOMIC ANALYSIS OF TRANSPORTATION FUEL POLICIES IN BRAZIL**
Hayri Onal, University of Illinois at Urbana-Champaign
Co-Author(s): Héctor Nuñez, CIDE Region Centro

**REFUELING BEHAVIOR AND ALTERNATIVE FUEL INFRASTRUCTURE**
Shaun McRae, University of Michigan
Co-Author(s): Ashley Langer, University of Arizona

**ECONOMICS OF BIOENERGY PRODUCT EXPORTS FROM FORESTS: UNINTENDED TRADE REPERCUSSIONS**
G Cornelis van Kooten, University of Victoria
Co-Author(s): Craig Johnston, University of Victoria and Linda Wong, University of Victoria

Room KC 201

10:30-12:00  **MANAGING THE BLESSINGS AND CURSES OF EXHAUSTIBLE RESOURCES**

Chairperson: Charles Séguin, Université du Québec à Montréal (UQAM)

**A CAPM-HOTELLING APPROACH TO MANAGING SOVEREIGN WEALTH FUNDS AND RESOURCE EXTRACTION**
Ton Stefan van den Bremer, University of Oxford
Co-Author(s): Frederick van der Ploeg, University of Oxford and Samuel Wills, University of Oxford

**OPTIMAL CARBON TAXES WITH NON-CONSTANT TIME PREFERENCE**
Terrence Iverson, Colorado State University

**DOUBLE DIVIDEND OF NON-RENEWABLE RESOURCE TAXATION IN A FEDERATION WITH EQUALIZATION PAYMENTS**
Charles Seguin, UQAM
Co-Author(s): Jean-Denis Garon, UQAM

Room KC 206

10:30-12:00  **A US CARBON TAX IN BROADER FISCAL REFORM**

Chairperson: Adele Morris, The Brookings Institution (Brookings)

**ENVIRONMENTAL POLICY FOR FISCAL REFORM: CAN A CARBON TAX PLAY AN IMPORTANT ROLE?**
Sugandha Tuladhar, NERA Economic Consulting
Co-Author(s): Paul Bernstein, Scott Bloomberg, NERA Economic Consulting; W. David Montgomery, NERA Economic Consulting and Anne E. Smith, NERA Economic Consulting

**EFFICIENCY AND DISTRIBUTIONAL IMPACTS OF FISCAL CONSOLIDATION WITH CLIMATE POLICY**
Sebastian Rausch, ETH Zurich
Co-Author(s): Jan Imhof, ETH Zurich

Room KC 105
CARBON TAXES, TAX REFORM, AND DEFICIT REDUCTION
Roberton Williams, University of Maryland, College Park, Resources for the Future (RFF) and NBER
Co-Author(s): Jared Carbone, University of Calgary and RFF and Richard Morgenstern, RFF

CARBON TAXES, U.S. FISCAL POLICY AND SOCIAL WELFARE
Richard Goettle, Northeastern University
Co-Author(s): Allen Fawcett, US Environmental Protection Agency (EPA); Mun Sing Ho, Harvard University; Dale Jorgenson, Harvard University; Eric Smith, US EPA; and Peter Wilcoxen, Syracuse University and Brookings

THE POTENTIAL ROLE OF A U.S. CARBON TAX IN FISCAL REFORM
Adele Morris, Brookings
Co-Author(s): Warwick McKibbin, Australian National University and The Brookings Institution and Pete Wilcoxen, Syracuse University and Brookings

10:30-12:00  FISHERIES
Room KC 203
Chairperson: Quinn Weninger, Iowa State University

THE MULTI-SPECIES ASPECT OF LABOR SUPPLY DECISIONS IN SPATIAL BIO-ECONOMIC FISHERY MODELS
Tess Stafford, University of New South Wales

CAN FISHERIES RATIONALIZATION IMPROVE POVERTY IN DEVELOPING COUNTRIES?
James Wilen, University of California-Davis

FISHERY DISCARDS UNDER HARVEST UNCERTAINTY AND TRADING FRictions
Quinn Weninger, Iowa State University
Co-Author(s): Rajesh Singh, Iowa State University

12:00-01:30  LUNCH
Vistas Dining Room (Sally Borden Bldg, 4th Floor)

01:30-03:00  PARALLEL SESSION 6

01:30-03:00  CLIMATE POLICY AND CARBON LEAKAGE
Room KC 101
Chairperson: Don Fullerton, University of Illinois

THE TRADE-OFFS BETWEEN INTRA- AND INTERGENERATIONAL EQUITY IN CLIMATE POLICY
Linda Nostbakken, University of Alberta
Co-Author(s): Snorre Kverndokk, Ragnar Frisch Centre for Economic Research and Eric Nævdal, Ragnar Frisch Centre for Economic Research

BORDER CARBON ADJUSTMENT AND POTENTIAL TRADE RETALIATION: AN EVALUATION WITH MIRAGE-E
Stéphanie Monjon, University Paris Dauphine, CEPII and CIRED
Co-Author(s): Jean Fouré, CEPI and Houssein Guimbard, CEPII
TECHNOLOGY SPILLOVERS EMBODIED IN INTERNATIONAL TRADE: INTERTEMPORAL, REGIONAL AND SECTORAL EFFECTS IN A GLOBAL CGE FRAMEWORK  
Enrica De Cian, Fondazione Eni Enrico Mattei (FEEM)  
Co-Author(s): Ramiro Parrado, FEEM

LEAKAGE, WELFARE, AND COST-EFFECTIVENESS OF CARBON POLICY  
Don Fullerton, University of Illinois  
Co-Author(s): Kathy Baylis, University of Illinois and Daniel Karney, University of Illinois

01:30-03:00 SPONSORED SESSION III  
EXTREME HOME MAKEOVER: CONTAMINATION ADDITION  
Chairperson: Vic Adamowicz, University of Alberta

MEASURING THE IMPACT OF FRACKING ON SURROUNDING HOMES  
Presenter: Christopher Timmins, Duke University  
Co-Author(s): Beia Spiller, Environmental Defense Fund and Lucija Muehlenbachs, Resources for the Future

TO SELL OR NOT TO SELL: THE IMPACTS OF POLLUTION ON HOME TRANSACTIONS  
Presenter: Dennis Guignet, US Environmental Protection Agency  
Discussant: John Loomis, Colorado State University

01:30-03:00 VALUATION III  
Chairperson: Nicholas Flores, University of Colorado, Boulder

STRUCTURAL BENEFITS TRANSFER USING BAYESIAN ECONOMETRICS  
Daniel Phaneuf, University of Wisconsin, Madison  
Co-Author(s): George Van Houtven, RTI International

EXPLOITING WEAK COMPLEMENTARITY IN PROPERTY VALUE MODELS: THE CASE OF THE MOUNTAIN PINE BEETLE IN THE COLORADO FRONT RANGE  
Kevin Boyle, Virginia Tech  
Co-Author(s): Christine Blinn, Virginia Tech; Jed Cohen, Virginia Tech; Thomas Holmes, USDA Forest Service; and Klaus Moeltner, Virginia Tech

THE EFFECTS OF WIND TURBINES ON RHODE ISLAND HOME VALUES  
Susan Gorelick, University of Rhode Island  
Co-Author(s): Jim Opaluch, University of Rhode Island

NON-PARAMETRIC TESTING OF CONTINGENT VALUATION DOUBLE-BOUNDED DATA  
Nicholas Flores, University of Colorado, Boulder  
Co-Author(s): Donald Waldman, University of Colorado, Boulder

01:30-03:00 ECOSYSTEM SERVICES AND MARKETS  
Chairperson: Michael Springborn, University of California (UC), Davis
MANAGING INTERACTING DISTURBANCES TO ACHIEVE MULTIPLE ENVIRONMENTAL OBJECTIVES
Travis Warziniack, US Forest Service

THE INFLUENCES OF CREDITS STACKING ON ENVIRONMENTAL CREDITS TRADING MARKET: FARMER’S PARTICIPATION INCENTIVES, SOCIAL EFFICIENCY AND POTENTIAL ENVIRONMENTAL CONSEQUENCES
Pengfei Liu, University of Connecticut
Co-Author(s): Stephen Swallow, University of Connecticut

IMPACT OF THE GRAIN FOR GREEN PROGRAM ON FOREST COVER IN CHINA
Guanglong Fu, University of Rhode Island (URI)
Co-Author(s): Emi Uchida, URI; Xiangzheng Deng, Center for Chinese Agricultural Policy; John Gibson, Waikato Management School; Jikun Huang, Center for Chinese Agricultural Policy; Scott Rozelle Stanford University; and Muna Shah, URI

CREDITING UNCERTAIN ECOSYSTEM SERVICES IN A MARKET
Michael Springborn, UC, Davis
Co-Author(s): Juhwan Lee, UC, Davis; Johan Six, UC, Davis; and Boon-Ling Yeo, UC, Davis

01:30-03:00 TOPICS IN SPATIAL ECONOMICS
Room KC 201
Chairperson: Jinhua Zhao, Michigan State University

A SPATIAL APPROACH TO ENERGY ECONOMICS
Juan Moreno-Cruz, Department of Economics, Georgia Institute of Technology
Co-Author(s): M. Scott Taylor, University of Calgary

ARE CHINA’S CITIES GROWING UP OR OUT? A PANEL ANALYSIS OF URBAN SPATIAL STRUCTURE FROM 1950-2000
Peter Christensen, Yale University

IS THE HEMLOCK WOOLLY ADELGID IMPACT ON PROPERTY VALUES A “CANARY OF GLOBAL WARMING”? 
Xiaoshu Li, Virginia Tech
Co-Author(s): Kevin Boyle, Virginia Tech; Thomas Holmes, USDA Forest Service; Klaus Moeltner, Virginia Tech University; David Orwig, Harvard University; and Evan Pressier, University of Rhode Island

INFORMATION AND TECHNOLOGY ADOPTION ACROSS SPACE: THE DRIFT-DIFFUSION APPROACH
Jinhua Zhao, Michigan State University

01:30-03:00 ENERGY CONSERVATION
Room KC 203
Chairperson: Meredith Fowlie, University of California, Berkeley
DO SOCIAL NORMS MATTER TO ENERGY SAVING BEHAVIOR?: SOCIAL ENDOGENOUS AND CORRELATED EFFECTS
Toshi Arimura, Waseda University
Co-Author(s): Hajime Katayama, Waseda University and Mari Sakudo, Development Bank of Japan

FACTORS INFLUENCING GERMAN HOUSE OWNERS’ PREFERENCES ON ENERGY RETROPTS
Martin Achtnicht, Centre for European Economic Research (ZEW)
Co-Author(s): Reinhard Madlener, RWTH Aachen University

MEASURING THE ENERGY SAVINGS FROM TREE SHADE
Joe Maher, University of Maryland, College Park

ENCOURAGING PARTICIPATION IN A FREE ENERGY EFFICIENCY PROGRAM
Meredith Fowlie, University of California, Berkeley
Co-Author(s): Michael Greenstone, Massachusetts Institute of Technology and Catherine Wolfram, University of California, Berkeley

01:30-03:00 EMISSION POLICIES
Room KC 306
Chairperson: Matthew Zaragoza-Watkins, University of California (UC), Berkeley

DO ENVIRONMENTAL RIGHT-TO-KNOW LAWS AFFECT MARKETS? CAPITALIZATION OF INFORMATION IN THE TOXIC RELEASE INVENTORY
Ralph Mastromonaco, University of Oregon

DO FEDERAL ENERGY SUBSIDIES IN THE UNITED STATES LEAD TO CO2 EMISSIONS REDUCTION IN THE ELECTRICITY MARKET (1994-2010)?
Karen Maguire, Oklahoma State University

THE EFFECT OF EMISSION INFORMATION ON HOUSING PRICES IN GERMANY
Daniel Römer, Centre for European Economic Research (ZEW) Mannheim
Co-Author(s): Kathrine Lausted Veie, University of Copenhagen and Alexander Rohlf, ZEW Mannheim

THE ENVIRONMENTAL IMPACT OF DIESEL POWERED PASSENGER VEHICLES: TRADING OFF MARGINAL DAMAGES FROM LOCAL AIR POLLUTANTS AND CO2
Matthew Zaragoza Watkins, UC, Berkeley
Co-Author(s): Max Auffhammer, UC, Berkeley and Ryan Kellogg, University of Michigan

01:30-03:00 WEATHER
Room KC 206
Chairperson: Jeanne Tschopp, University of British Columbia
WEATHER SHOCKS IN A GLOBALIZED WORLD: A FIRM-LEVEL ANALYSIS.
Jonathan Colmer, London School of Economics
Co-Author(s): Ralf Martin, Imperial College London; Mirabelle Muuls, Imperial College London; and Ulrich Wagner, Universidad Carlos III Madrid

POLITICS UNDER THE WEATHER: DROUGHTS, PARTIES, AND ELECTORAL OUTCOMES
Sebastian Miller, Inter-American Development Bank
Co-Author(s): Paulo Bastos, The World Bank

EXTREME WEATHER EVENTS: DIRECT AND ECONOMICALLY MEDIATED EFFECTS ON BIRTH OUTCOMES
Gulcan Cil, University of Oregon
Co-Author(s): Trudy Ann Cameron, University of Oregon and Jason Lindo, University of Oregon

THE CREATIVE DESTRUCTION OF HURRICANES
Jeanne Tschopp, University of British Columbia
Co-Author(s): Martino Pelli, University of Alberta

03:00-03:30 BREAK

03:30-05:00 PARALLEL SESSION 7

3:30-05:00 CLIMATE POLICY AND RENEWABLE ENERGY Room KC 101
Chairperson: Harrison Fell, Colorado School of Mines

THE CALIFORNIA SOLAR INITIATIVE: LESSONS FOR RENEWABLE ENERGY POLICY
Steven Sexton, North Carolina State University

OVERLAPPING ENVIRONMENTAL POLICIES: WHEN DOES RENEWABLE ELECTRICITY REDUCE POLLUTION?
Kevin Novan, University of California, Davis

THE EFFECTS OF RENEWABLE ENERGY POLICIES ON LEAKAGE UNDER CAP-AND-TRADE
Harrison Fell, Colorado School of Mines
Co-Author(s): Joshua Linn, Resource for the Future

03:30-05:00 SPONSORED SESSION IV Room KC 103
OIL RIGS AND BIG RIGS: NORTH AMERICAN ENVIRONMENTAL ISSUES
Chairperson: Kathleen Segerson, University of Connecticut

THE IMPACT OF INSPECTOR GROUP SIZE ON ENFORCEMENT: EVIDENCE FROM OIL PLATFORMS IN THE GULF OF MEXICO
Presenter: Lucija Muehlenbachs, Resources for the Future
Co-Author(s): Mark A. Cohen, Vanderbilt University
Discussant: Dietrich Earnhart, University of Kansas
EFFECTIVE POLICIES FOR TRANSPORTATION AND POLLUTION ON NORTH AMERICA’S TWO INTERNATIONAL BORDERS
Presenter: Linda Fernandez, Virginia Commonwealth University
Co-Author(s): Monica Das, Skidmore College
Discussant: David Austin, Congressional Budget Office

03:30-05:00 VALUATION IV
Room KC 205
Chairperson: Bruno Wichmann, University of Alberta
THE ROLE OF VOTE DISTRIBUTION PERCEPTIONS IN MULTINOMIAL-CHOICE VALUATION SURVEYS
Matthew Interis, Mississippi State University
Co-Author(s): Daniel Petrolia, Mississippi State University
BEYOND SOCIAL DESIRABILITY BIAS: USING MULTIPLE PREDICTION GROUPS WITHIN AN INFERRED VALUATION FRAMEWORK
Alicia Entem, University of Alberta
Co-Author(s): Vic Adamowicz, University of Alberta; Peter Boxall, University of Alberta; and Stephanie Simpson, University of Alberta
CORRESPONDENCE AND EFFICIENCY IN FORECASTS OF ECOSYSTEM SERVICE BENEFITS
Douglas Patton, University of Georgia (UGA)
Co-Author(s): John Bergstrom, UGA; Alan Covich, UGA; and Rebecca Moore, UGA
ESTIMATION OF NON-MARKET VALUES IN THE PRESENCE OF SOCIAL NETWORK EFFECTS: THE CASE OF ADVISORY REFERENDA
Bruno Wichmann, University of Alberta

03:30-05:00 ECOSYSTEMS
Room KC 105
Chairperson: Rebecca Epanchin-Niell, Resources for the Future (RFF)
COST-EFFECTIVE MANAGEMENT OF AQUATIC INVASIVE SPECIES IN THE PACIFIC NORTHWEST: THE CASE OF NEW ZEALAND MUDSNAILS
Youngah Lim, Oregon State University, Applied Economics
THE OPTIMAL MANAGEMENT OF A NATURAL RESOURCE WITH SWITCHING DYNAMICS
Michele Baggio, ETH Zurich
DESIGNING COST-EFFICIENT SURVEILLANCE STRATEGIES FOR EARLY-DETECTION OF INVASIVE SPECIES
Rebecca Epanchin-Niell, RFF
Co-Author(s): Eckehard Brockerhoff, Scion (New Zealand Forest Research Institute); John Kean, AgResearch; and James Turner, AgResearch, Ruakura Research Centre
03:30-05:00 ENERGY EFFICIENCY
Chairperson: Severin Borenstein, University of California (UC), Berkeley

CASH FOR APPLIANCES: THE IMPACT OF STATE REBATE PROGRAMS ON ENERGY-EFFICIENT APPLIANCE INVESTMENTS
Sebastien Houde, Stanford University
Co-Author(s): Joseph Aldy, Harvard University

DOUBLE MORAL HAZARD AND THE ENERGY EFFICIENCY GAP
Gaetan Giraudet, CIRED
Co-Author(s): Sebastien Houde, Stanford University

IS ENERGY EFFICIENCY CAPITALIZED IN HOME PRICES?
EVIDENCE FROM THREE CITIES
Margaret Walls, Resources for the Future (RFF)
Co-Author(s): Todd Gerarden, Harvard University and Karen Palmer, RFF

A FRAMEWORK FOR EVALUATING ENERGY EFFICIENCY REBOUND AND SOME IMPLICATIONS
Severin Borenstein, UC, Berkeley

03:30-05:00 ENVIRONMENTAL ECONOMETRICS
Chairperson: Nicolai Kuminoff, Arizona State University (ASU)

UNDERWATER? HOUSEHOLD FINANCES AND MIGRATION DECISIONS AFTER A FLOOD: THE CASE OF HURRICANE KATRINA
Justin Gallagher, Case Western Reserve University
Co-Author(s): Daniel Hartley, Federal Reserve Bank of Cleveland

COLLAPSE: HOW SPATIAL INTERPOLATION STRATEGIES CHOOSE TO FAIL OR SUCCEED
Corey Lang, University of Rhode Island

GENERALIZED NEAREST-NEIGHBOR ESTIMATORS FOR PROPERTY MATCHING MODELS
Klaus Moeltner, Virginia Tech
Co-Author(s): Joshua Abbott, ASU and H. Allen Klaiber, Ohio State University

CAN SORTING MODELS HELP US EVALUATE THE EMPLOYMENT EFFECTS OF ENVIRONMENTAL REGULATIONS?
Nicolai Kuminoff, ASU
Co-Author(s): Todd Schoellman, ASU and Christopher Timmins, Duke University
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Wolfram, Catherine
Wolverton, Ann
Wu, JunJie
Zhao, Jinhua
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World Congress of Environmental and Resource Economists

June 28 - July 2, 2014 - Istanbul / TURKEY

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Program design assistance: Rebecca Olson, Center for Agricultural and Rural Development, Iowa State University