

AERE 2011 Seattle

AERE Inaugural Summer Conference June 9th & 10th

*With sponsored sessions focused on:
metropolises, urbanization, and the environment*

Renaissance Seattle Hotel
Seattle, Washington



Association of Environmental and Resource Economists

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Catherine L. Kling

Welcome to the first annual AERE summer conference in beautiful Seattle!

This event marks a major milestone in the increasingly rich history of our association as we commit to an annual “full-service” conference, dedicated entirely to environmental and resource economics. Those of us who have treasured the AERE workshops may have some mixed feelings in saying goodbye to that institution which served us so well for over two decades (I am proud to report that I was in attendance at the very first workshop held in lovely Boulder!). Be assured however that we will work hard to keep the best of what the workshop offered (high quality research discussions on focused topics in a lovely location) by running a sponsored session track alongside our submitted papers.

In the next 2 ½ days, I am confident that you will be exposed to the very best research that environmental and resource economists have to offer. I urge you to take some time to meet and welcome new colleagues, especially those that are new to our association or junior members of our profession. Finally, please feel free to share ideas with me for improvements for future conferences or other issues related to AERE. Oh, and don’t forget to hold June 4-5, 2012 for the second annual AERE Conference to be held in lovely Asheville North Carolina!

Catherine L. Kling, President AERE

Welcome, we are delighted you could join us! The response to the conference has been outstanding. Nearly 600 abstracts were submitted, resulting in a high-quality program presenting over 270 papers in the general, sponsored, and poster sessions.

AERE is dedicated to the exchange of ideas that shape the way we approach environmental management. This conference is an opportunity to engage with 350 of your colleagues and we hope that you will find this experience to be exceptionally rewarding. We have designed a schedule that facilitates the exchange of ideas by leaving ample time for audience feedback and participation during sessions, as well as time for continued discussion and interaction between sessions. It is our hope that over the next two days you are energized by the outstanding work of your colleagues, the feedback you receive on your own work, and stimulating conversation with your peers.



Maximilian Auffhammer



Laura Taylor

We are honored to have been given the opportunity to organize this first AERE Summer conference. If at any time you need our assistance, please do let us know!

Maximilian Auffhammer and Laura Taylor, Co-Chairs
AERE Inaugural Summer Conference 2011

**AERE gratefully acknowledges the funding provided
for this conference by:**



The Brattle Group



The National Oceanic and Atmospheric Administration
U.S. Department of Commerce



Fish and Wildlife Service
U.S. Department of the Interior



Economic Research Service
U.S. Department of Agriculture



The Center for Agricultural and Rural Development
Iowa State University, Ames, Iowa

Keynote speaker: Ed Glaeser



Photo by Louise Kennedy Converse

Ed Glaeser is the Fred and Eleanor Glimp Professor of Economics at Harvard, where he also serves as Director of the Taubman Center for State and Local Government and the Rappaport Institute for Greater Boston. He studies the economics of cities, and has written on scores of urban issues, including the growth of cities, segregation, crime, and housing markets. He has been particularly interested in the role that geographic proximity can play in creating knowledge and innovation. He is also author of the recently released “Triumph of the City: How Our Greatest Invention Makes Us Richer, Smarter, Greener, Healthier, and Happier” (2011, The Penguin Press). He received his Ph.D. from the University of Chicago in 1992 and has been at Harvard since then.

SCHEDULE AT A GLANCE

| -----ROOMS----- | | | | | | | | | | | |
|-----------------|--------|---------------|--------------------|--------------|--|--|--|--------------------------------------|---------------------|-----------------------------------|-----------|
| | Day | Time | East | James | Seneca | West | Marion | Spring | North | Columbia | South |
| T H U R S D A Y | 9-Jun | 9:00 - 10:30 | Climate Change I | Water I | Abatement | Biofuels I | Conservation I | Disasters and Conflicts | Energy Conservation | Public Goods Provision | Sprawl |
| | 9-Jun | 13:45 - 15:15 | Leakage | Water II | Economic Consequences of EPA Regulations | Biofuels and Food Prices | Conservation II | Development and Health | Energy I | Recent Advances in the Design.... | Sponsored |
| | 9-Jun | 15:45 - 17:15 | Climate Change II | Water III | Emissions Trading I | Biofuels II | Ecosystem Valuation | International Environmental Analysis | Energy II | Topics in Recreation Modeling I | Sponsored |
| F R I D A Y | 10-Jun | 8:30 - 10:00 | Climate Change III | Fisheries I | Emissions Trading II | Air Pollution | Ecosystems I | Forestry I | Energy III | Topics in Recreation Modeling II | Sponsored |
| | 10-Jun | 10:30 - 12:00 | Climate Change IV | Fisheries II | Emissions Trading III | Driving Choices and Consequences | Ecosystems II | Forestry II | Transport 1 | Topics in Valuation | Sponsored |
| | 10-Jun | 13:30 - 15:00 | Coasts and Floods | Water IV | Environmental Regulation, Enforcement... | Policy | Land Management | Forestry III | Transport II | Valuation 1 | Urban I |
| | 10-Jun | 15:30 - 17:00 | Climate Change V | Water V | International Environmental Agreements | Tests of Alternative Mechanisms for Improving Property | Modeling Resources and Common Property | Forestry IV | Tranport III | Valuation II | Urban II |

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General Information on all Sessions

All **General Sessions** present four papers back-to-back, followed by 20 minutes of audience questions and feedback. Papers will be presented in the order in which they appear in the program. This structure will allow audience members to move among rooms to see papers in different sessions (you can count on 15-18 minutes per paper presentation). The **Sponsored Sessions** offer a different format with two papers presented within each 1.5 hour session. Each paper will have 25 minutes for presentation, followed by 10 minutes for a discussant and 10 minutes for audience questions before moving to the second paper. **Poster presenters** will be by their posters from 12:00 –1:30 on Friday to answer questions and discuss their research.

WEDNESDAY 8 JUNE 2011

12:30 - 17:00 **PRE-CONFERENCE WORKSHOP** **Location:** Northwest Room
Chairperson: Jordan Louviere,
The Centre for the Study of Choice (CenSoC)

17:30 – 19:30 **OPENING RECEPTION** **Location:** Madison Ballroom
Chairperson: Catherine L. Kling,
Department of Economics, Iowa State University

THURSDAY 9 JUNE 2011

09:00 - 10:30 **PARALLEL SESSION 1**

09:00 - 10:30 **CLIMATE CHANGE I** **Location:** East Room
Chairperson: David Anthoff, UC Berkeley

DISCOUNTING AND CONFIDENCE

Christian Traeger, UC Berkeley

**DYNAMIC ENVIRONMENTAL REGULATION DESIGN WITHOUT
PAYMENTS: TIMING IS EVERYTHING**

David Kelly, University of Miami

**FULLY CHARACTERIZING THE SET OF TIME CONSISTENT
DISCOUNT FUNCTIONS**

Zachary Brown, Duke University, Nicholas School of the Environment

OPTIMAL GLOBAL DYNAMIC CARBON ABATEMENT

David Anthoff, UC Berkeley

09:00 - 10:30 **WATER I** **Location:** James Room
Chairperson: Qiuqiong Huang, University of Minnesota

**COLLECTIVE ACTIONS AND THE COMMONS: ARE COOPERATIVE
GROUNDWATER INSTITUTIONS STABLE IN THE PRESENCE OF
ENVIRONMENTAL EXTERNALITIES**

Encarna Esteban, Water Science and Policy Center Co-Author(s):
Ariel Dinar, Water Science and Policy Center; University of California,
Riverside

**DOES EFFICIENT IRRIGATION TECHNOLOGY LEAD TO REDUCED
GROUNDWATER EXTRACTION?: EMPIRICAL EVIDENCE**

Lisa Pfeiffer, National Marine Fisheries Service-Alaska Fisheries Science
Center

Co-Author(s): C.-Y. Cynthia Lin, University of California, Davis

**IDENTIFICATION OF STRATEGIC BEHAVIOR IN A COMMON
PROPERTY SETTING: THE PROBLEM OF THE SPATIAL PUMPING
EXTERNALITY**

Jeff Savage, University of Illinois Co-Author(s): Nicholas Brozovic,
University of Illinois

**SURFACE WATER IRRIGATION MANAGEMENT IN NORTHERN
CHINA: DEVELOPMENT AND ASSESSMENT**

Qiuqiong Huang, University of Minnesota

09:00 - 10:30

ABATEMENT

Location: Seneca Room

Chairperson: Ian Partridge, University of Texas at Austin

ADDITIONALITY OF GREENHOUSE GAS OFFSETS

Dana Andersen, University of Maryland, College Park

Co-Author(s): John Horowitz, USDA and Richard Just, University of
Maryland

**ON COORDINATION OF ABATEMENT IN VOLUNTARY
AGREEMENTS**

Frans de Vries, University of Stirling

Co-Author(s): Andries Nentjes, University of Groningen

**VOLUNTARY POLLUTION ABATEMENT AND REGULATION
IN THE PRESENCE OF A GREEN MARKET**

Michael Delgado, Binghamton University

Co-Author(s): Neha Khanna, Binghamton University

**WHAT CAN AN ANALYSIS OF CDM PROJECTS TELL US
ABOUT THE PROBLEM OF CUTTING GREENHOUSE GAS
EMISSIONS IN INDIA?**

Ian Partridge, University of Texas at Austin

Co-Author(s): Shama Gamkhar, University of Texas at Austin

09:00 - 10:30

BIOFUELS I

Location: West Room

Chairperson: Jacob LaRiviere, University of Tennessee

**GENERAL EQUILIBRIUM ANALYSIS OF THE EFFECTS OF
ECONOMIC POLICIES ON THE US BIOFUEL MARKET**

Margaret Loudermilk, University of Chicago

Co-Author(s): Joshua Elliott, University of Chicago, Ian Foster, University
of Chicago and Todd Munson, Argonne National Laboratory

IMPROVING AIR QUALITY IN CALIFORNIA'S SAN JOAQUIN VALLEY: THE ROLE OF VEHICLE HETEROGENEITY IN OPTIMAL EMISSIONS ABATEMENT

Emily Wimberger, University of California Davis

Co-Author(s): Pierre R. Mérel, University of California Davis

LAND-USE IMPACTS OF EMERGING BIOMASS FEEDSTOCK MARKETS: ACCOUNTING FOR AGRICULTURAL AND ENERGY MARKET INTERACTIONS AND THE VARIABILITY OF LOCAL CONDITIONS

Lyubov Kurkalova, North Carolina A&T State University

Co-Author(s): Rebecca Dodder, EPA, Amani Elobeid, Iowa State

University, Timothy Johnson, U.S. Environmental Protection Agency, Research Triangle Park, North Carolina, Ozge Kaplan, U.S. Environmental Protection Agency, Research Triangle Park, North Carolina, Secchi Silvia, Southern Illinois University, Carbondale and Simla Tokgoz, International Food Policy Research Institute, Washington, DC

THE EFFECT OF THE 1979 OIL PRICE SHOCK ON AUTO EMISSIONS

Jacob LaRiviere, University of Tennessee

Co-Author(s): Melanie Cozad, University of Tennessee

09:00 - 10:30

CONSERVATION I

Location: Marion Room

Chairperson: Jeffrey Zabel, Tufts University

CONSERVATION PROGRAM ENROLLMENT MECHANISMS USING AUCTIONS: WHAT CAN LABORATORY EXPERIMENTSTELL US ABOUT THE USE OF IMPRECISE COST INFORMATION?

Daniel Hellerstein, USDA Economic Research Service

DO LAND CONSERVATION PROGRAMS CROWD OUT OR CROWD IN EACH OTHER'S CONSERVATION?

Xiangping Liu, NC State University

Co-Author(s): Lori Lynch, Department of Agricultural and Resource Economics, University of Maryland

ENDANGERED SPECIES PROTECTION ON PRIVATE LAND: ASSESSING THE EFFECTIVENESS OF HABITAT CONSERVATION PLANS

Christian Langpap, Oregon State University

Co-Author(s): Joe Kerkvliet, The Wilderness Society

LAND-USE REGULATIONS AND HOUSING MARKETS: THE CASE OF CRITICAL HABITAT DESIGNATION FOR ENDANGERED SPECIES

Jeffrey Zabel, Tufts University

Co-Author(s): Robert Paterson, Industrial Economics

09:00 - 10:30 **DISASTERS AND CONFLICTS** **Location:** Spring Room
Chairperson: Jennifer Alix-Garcia, University of Wisconsin-Madison

CLIMATE CHANGE AND CIVIL WAR

Toni Sipic, University of Oregon

THE DYNAMIC EFFECTS OF HURRICANES IN THE US: THE ROLE OF NON-DISASTER TRANSFER PAYMENTS

Tatyana Deryugina, MIT

THE EFFECTS OF NEARBY TORNADOES ON SELF-PROTECTION INVESTMENTS

Eric Duquette, Economic Research Service, USDA

Co-Author(s): Trudy Cameron, Department of Economics, University of Oregon

THE LANDSCAPE OF CONFLICT: IDPS, AID, AND LAND USE CHANGE IN DARFUR

Jennifer Alix-Garcia, University of Wisconsin-Madison

Co-Author(s): Anne Bartlett, University of San Francisco and David Saah, Spatial Informatics Group

09:00 - 10:30 **ENERGY CONSERVATION** **Location:** North Room
Chairperson: Richard T. Carson,
University of California, San Diego

DETERMINANTS OF ADOPTION OF ENERGY EFFICIENT HVAC SYSTEMS: PAYBACK, REPLACEMENT, AND NEIGHBORS

Douglas Noonan, Georgia Tech

Co-Author(s): Lin-Han Chiang-Hsieh, Georgia Institute of Technology and Daniel Matisoff, Georgia Institute of Technology

EXPLORING THE POTENTIAL FOR ENERGY CONSERVATION IN FRENCH HOUSEHOLDS THROUGH HYBRID MODELLING

Louis-Gaëtan Giraudet, CIRED

Co-Author(s): Céline Guivarch, CIRED and Philippe Quirion, CIRED and CNRS

NON-ENERGY BENEFITS (NEBS): THE LITERATURE ON METHODS AND RESULTS MEASURING OMITTED EFFECTS FROM ENERGY EFFICIENCY STRATEGIES

Lisa Skumatz, Econservation Institute & SERA

THE INFLUENCE OF REBATE PROGRAMS ON THE DEMAND FOR WATER HEATERS : THE CASE OF NEW SOUTH WALES

Richard T. Carson, University of California, San Diego

Co-Author(s): Nada Wasi, University of Technology Sydney; Thailand Development Research Institute

09:00 - 10:30 **PUBLIC GOODS PROVISION** **Location:** Columbia Room
Chairperson: Francisco Alpizar,
EfD Center for Central America/CATIE

**A COMPARISON OF FIELD AND LAB EXPERIMENTS IN A LINDAHL-
INSPIRED AUCTION FOR PUBLIC GOODS: APPLICATION TO
ECOSYSTEM RESTORATION.**

Elizabeth Smith, University of Rhode Island
Co-Author(s): Stephen Swallow, University of Connecticut

**ARE THIRD-PARTY RATINGS INCENTIVE COMPATIBLE? EVIDENCE
OF RESPONSES BY CHARITABLE ORGANIZATIONS**

Laura Grant, UCSB

**DISENTANGLING INCENTIVES IN THE PRIVATE PROVISION OF
PUBLIC GOODS**

Andrew Stocking, Congressional Budget Office

**NATURE LOVERS MAKE GOOD COOPERATORS: A STUDY OF
CONDITIONAL COOPERATION IN THE FIELD**

Francisco Alpizar, EfD Center for Central America/CATIE
Co-Author(s): Peter Martinsson, University of Gothenburg

09:00 - 10:30 **SPRAWL** **Location:** South Room
Chairperson: Kathleen Bell, University of Maine

A DYNAMIC SPATIAL MODEL OF EXURBAN LAND DEVELOPMENT

Elena Irwin, Department of Agricultural, Environmental and Development
Economics, Ohio State University
Co-Author(s): Yong Chen, Dept. Agricultural and Resource Economics,
Oregon State Univ. and Ciriya Jayaprakash, Department of Physics,
Ohio State University

A SPATIAL DYNAMIC MODEL OF EXURBAN DEVELOPMENT

David Newburn, Texas A&M University
Co-Author(s): Peter Berck, University of California at Berkeley

**COMPARING POLICIES FOR REDUCING SPRAWL: RESULTS FROM
A NEW APPROACH TO MODELING LAND AND HOUSING MARKETS**

Margaret Walls, Resources for the Future
Co-Author(s): Nicholas Magliocca, University of Maryland-Baltimore
County and Virginia McConnell, Resources for the Future and University
of Maryland-Baltimore County

**HAVE URBAN GROWTH BOUNDARIES REDUCED URBAN SPRAWL
IN OREGON?**

Judith Dempsey, Oregon State University
Co-Author(s): Andrew Plantinga, Oregon State University

11:00 - 12:00 **KEYNOTE ADDRESS:** **EDWARD GLAESER** **Location:** Courtyard Ballroom
Chairperson: Catherine L. Kling, Department of Economics,
Iowa State University

12:00 - 13:30 **AERE LUNCHEON** **Location:** Courtyard Ballroom
Chairperson: Catherine L. Kling, Department of Economics,
Iowa State University

AERE Awards Program

13:45 - 15:15 PARALLEL SESSION 2

13:45 - 15:15 **LEAKAGE** **Location:** East Room
Chairperson: Don Fullerton, University of Illinois

**A CGE ANALYSIS OF CLIMATE POLICY OPTIONS AFTER CANCUN:
BOTTOM-UP ARCHITECTURES, BORDER TAX ADJUSTMENTS, AND
CARBON LEAKAGE**
Karl Steininger, Wegener Center for Climate and Global Change

**ARE THERE CARBON SAVINGS FROM MANDATED BIOFUELS
EXPANSION IN THE UNITED STATES? ACCOUNTING FOR
LEAKAGE IN LAND AND FUEL MARKETS**
Richard Klotz, Cornell University
Co-Author(s): Antonio Bento, Cornell University and Joel Landry, Cornell
University

NEGATIVE LEAKAGE
Don Fullerton, University of Illinois
Co-Author(s): Daniel Karney, University of Illinois and Kathy Baylis,
University of Illinois

REFLECTIONS ON CARBON LEAKAGE
Larry Karp, Ag and Resource Economics UC Berkeley

13:45 - 15:15 **WATER II** **Location:** James Room
Chairperson: Joshua Abbott, Arizona State University

CAUSAL INFERENCE FOR A WATER PRICING POLICY IN SEATTLE
David Hsu, University of Pennsylvania

**CONTRACTS VS. TRUST IN WATER ALLOCATION: GENERATING &
SHARING URBAN WATER SURPLUS**
Alexander Pfaff, Duke University
Co-Author(s): Maria Alejandra Velez, Universidad de Los Andes

**SINGLE VERSUS JOINT PREFERENCE FOR TAP WATER:
INVESTIGATING THREE-MEMBER HOUSEHOLDS**

Mara Thiene, Dep. TESAF, University of Padua (Italy)
Co-Author(s): Riccardo Scarpa, Department of Economics, Waikato
Management School, The University of Waikato

**THE VALUE OF WATER AS AN URBAN CLUB GOOD: A MATCHING
APPROACH TO HOA-PROVIDED LAKES**

Joshua Abbott, Arizona State University
Co-Author(s): H. Allen Klaiber, The Pennsylvania State University

13:45 - 15:15 **ECONOMIC CONSEQUENCES OF EPA REGULATIONS:
LABOR DEMAND, TECHNOLOGICAL CHANGE AND
ABATEMENT COSTS** **Location:** Seneca Room

Chairperson: Ronald Shadbegian, U.S. EPA, NCEE

**DO ENVIRONMENTAL REGULATIONS DISPROPORTIONATELY
AFFECT SMALL BUSINESS? EVIDENCE FROM THE POLLUTION
ABATEMENT COSTS AND EXPENDITURES SURVEY**

Ron Shadbegian, NCEE, US EPA
Co-Author(s): Randy Becker, U.S. Census Bureau, Center for Economic
Studies, Cynthia Morgan, U.S. EPA, National Center for Environmental
Economics and Carl Pasurka, U.S. EPA, National Center for
Environmental Economics

**DO EPA REGULATIONS AFFECT LABOR DEMAND? EVIDENCE
FROM THE PULP AND PAPER INDUSTRY**

Wayne Gray, Clark University
Co-Author(s): Merve Cebi, University of Massachusetts - Dartmouth and
Chunbei Wang, University of Massachusetts - Dartmouth

ENVIRONMENTAL REGULATIONS AND TECHNOLOGICAL CHANGE

Cynthia Morgan, U.S. Environmental Protection Agency
Co-Author(s): Anna Belova, Abt Associates, Carl Pasurka, and Ronald
Shadbegian, U.S. EPA, NCEE

**THE TRANSITIONAL COSTS OF POLICY: EVIDENCE FROM THE
CLEAN AIR ACT AND THE WORKFORCE**

Reed Walker, Columbia University

13:45 - 15:15 **BIOFUELS AND FOOD PRICES** **Location:** West Room

Chairperson: Ujjayant Chakravorty, University of Alberta

**FARM ACREAGE SHOCKS AND FOOD PRICES: AN SVAR
APPROACH TO UNDERSTANDING THE IMPACTS OF BIOFUELS**

Catherine Hausman, UC Berkeley
Co-Author(s): Max Auffhammer, U.C. Berkeley and Peter Berck,
University of California at Berkeley

**THE U.S. BIOFUEL MANDATE AND WORLD FOOD PRICES: AN
ECONOMETRIC ANALYSIS OF THE DEMAND AND SUPPLY OF
CALORIES**

Michael Roberts, North Carolina State University

Co-Author(s): Wolfram Schlenker, Columbia University

WILL BIOFUEL MANDATES RAISE FOOD PRICES?

Ujjayant Chakravorty, University of Alberta

Co-Author(s): Marie-Helene Hubert, University of Rennes, Michel
Moreaux, Toulouse School of Economics, and Linda Nøstbakken, University
of Alberta

13:45 - 15:15

CONSERVATION II

Location: Marion Room

Chairperson: David Lewis, University of Puget Sound

**BUYING ENVIRONMENTAL SERVICES FROM LANDOWNERS WHO
SCREEN ON CONTRACT ATTRIBUTES**

Jeffrey Peterson, Kansas State University

**DESIGNING CONSERVATION RESERVE AREAS WITH EFFICIENCY,
CONTIGUITY, AND COMPACTNESS CONSIDERATIONS**

Kevin Patrick, University of Illinois at Urbana-Champaign

Co-Author(s): Hayri Önal, University of Illinois at Urbana-Champaign,
Harold Balbach, US Army Engineer Research and Development Center,
Sahan Dissanayake, University of Illinois at Urbana-Champaign and James
Westervelt, US Army Engineer Research and Development Center

**AGRICULTURAL WATER SECURITY AND INSTREAM FLOWS FOR
ENDANGERED SPECIES**

Presenter: David Newburn, Texas A&M

Co-author(s): Mariano Mezzatesta, Texas A&M and Brozovic Nicholas,
University of Illinois

**IMPLEMENTING OPTIMAL CONSERVATION WITH ASYMMETRIC
INFORMATION**

David Lewis, University of Puget Sound

Co-Author(s): Erik Nelson, Bowdoin College, Andrew Plantinga, Oregon
State University and Stephen Polasky, University of Minnesota

13:45 - 15:15

DEVELOPMENT & HEALTH

Location: Spring Room

Chairperson: Maureen Cropper, University of Maryland and RFF

**AN EMISSIONS-INTENSITY APPROACH FOR CREDITING
GREENHOUSE GAS MITIGATION IN AGRICULTURE:
RECONCILING CLIMATE AND FOOD SECURITY OBJECTIVES IN
THE DEVELOPING WORLD**

Justin Baker, Duke University

Co-Author(s): Brian Murray, Nicholas Institute, Duke University

HOUSEHOLD LATRINE ADOPTION, SOCIAL NORMS, AND CHILD HEALTH IN INDIA

Yaniv Stopnitzky, Yale University

THE EFFECT OF POLLUTION ON LABOR SUPPLY: EVIDENCE FROM A NATURAL EXPERIMENT IN MEXICO CITY

Co-Author(s): Rema Hanna, Harvard and Paulina Oliva, UCSB

OPTIMAL INTERNATIONAL POLICIES FOR PANDEMIC INFLUENZA MITIGATION

Maureen Cropper, University of Maryland and RFF

Co-Author(s): Georgiy Bobashev, RTI International, Joshua Epstein, Johns Hopkins University, Michael Goedecke, RTI International, Stephen Hutton, University of Maryland and Mead Over, Center for Global Development

13:45 - 15:15 **ENERGY I** **Location:** North Room

Chairperson: Charles Mason, University of Wyoming

A REGRESSION DISCONTINUITY APPROACH TO OIL AND NATURAL GAS REGULATION

Andrew Balthrop, Georgia State University

Co-Author(s): Kurt Schnier, Georgia State University

OPERATING EFFICIENCY OF U.S. NUCLEAR POWER PLANTS

Catherine Wolfram, UC Berkeley

THE POLITICAL ECONOMY OF OPEC

Gal Hochman, UC Berkeley

Co-Author(s): David Zilberman, UC Berkeley

WHY DO FIRMS HOLD OIL STOCKPILES?

Charles Mason, University of Wyoming

13:45 - 15:15 **RECENT ADVANCES IN THE DESIGN AND ANALYSIS OF DISCRETE CHOICE EXPERIMENTS** **Location:** Columbia Room

Chairperson: Jordan Louviere, The Centre for the Study of Choice (CenSoC)

DESIGNING DCES TO ESTIMATE CHOICE MODELS (OR EQUIVALENT) FOR EACH PERSON IN A SAMPLE

Bart Frischknecht, Centre for the Study of Choice (CenSoC), UTS

Co-Author(s): Richard Carson, The University of California, San Diego, Christine Ebling, Centre for the Study of Choice (CenSoC), UTS, Jordan Louviere, The Centre for the Study of Choice (CenSoC) and John Rose, The Institute of Transport and Logistics Studies, University of Sydney

**DIFFERENCES IN EMPIRICAL OUTCOMES ASSOCIATED WITH
DIFFERENT DESIGN APPROACHES: 64 DCES FOR CARBON
TRADING SCHEMES AND SOLAR PANELS**

Jordan Louviere, The Centre for the Study of Choice (CenSoC)
Co-Author(s): Jorge Arana, University of Las Palmas, Sandra Burke,
Centre for the Study of Choice (CenSoC), UTS, Richard Carson,
University of California, San Diego, Bart Frischknecht, Centre for the
Study of Choice (CenSoC), UTS, John Rose, The Institute of Transport
and Logistics Studies, University of Sydney, Riccardo Scarpa, School of
Management, University of Waikato and Paul Wang, Centre for the Study
of Choice (CenSoC), UTS

**STATED CHOICE EXPERIMENTAL DESIGN THEORY: THE WHO,
WHAT AND WHY**

John Rose, The Institute of Transport and Logistics Studies, University of
Sydney
Co-Author(s): Michiel Bleimer, Transport Planning, The University of Delft

TEMPORAL RELIABILITY OF DISCRETE CHOICE EXPERIMENTS

Jorge Arana, University of Las Palmas
Co-Author(s): Richard Carson, University of California, San Diego,
Towhidul Islam, Marketing and Consumer Studies, University of Guelph,
Jordan Louviere, The Centre for the Study of Choice (CenSoC) and
Riccardo Scarpa, School of Management, University of Waikato

13:45 - 15:15

SPONSORED SESSIONS I

Location: South Room

Chairperson: Randall Walsh, University of Pittsburgh

**A DUAL-MARKET FRAMEWORK FOR EVALUATING THE
DISTRIBUTIONAL IMPLICATIONS OF LARGE CHANGES IN PUBLIC
GOODS**

Nicolai Kuminoff, Arizona State University
Discussant: Spencer Banzhaf, Georgia State University

**RECOVERING HOUSEHOLD VALUATION OF URBAN HEAT ISLAND IN
THE PRESENCE OF OMITTED VARIABLES ACROSS SPATIAL SCALES**

Henry Klaiber, Pennsylvania State University
Co-Author(s): V. Kerry Smith, Arizona State University
Discussant(s): Antonio Bento, Cornell University

15:45 - 17:15

PARALLEL SESSION 3

15:45 - 17:15

CLIMATE CHANGE II

Location: East Room

Chairperson: Sverre Jensen, Frisch Centre

**A NEW (ECONOMIC) APPROACH TO ENVIRONMENTAL
TECHNOLOGY STANDARDS**

Maria Damon, New York University
Co-Author(s): Richard Carson, University of California, San Diego and
Joel Watson, University of California, San Diego

ADAPTATION TO CLIMATE CHANGE: EVIDENCE FROM 18TH AND 19TH CENTURY ICELAND

Matthew Turner, University of Toronto

OPTIMAL CLIMATE CHANGE POLICY: R&D INVESTMENTS AND ABATEMENT UNDER UNCERTAINTY

Erin Baker, University of Massachusetts

Co-Author(s): Senay Solak, University of Massachusetts, Amherst

UNCERTAINTY ABOUT TECHNOLOGICAL PROGRESS AND GROWTH IN THE INTEGRATED ASSESSMENT OF CLIMATE CHANGE

Svenn Jensen, Frisch Centre

Co-Author(s): Christian Traeger, Department of Agricultural and Resource Economics, UC Berkeley

15:45 - 17:15

WATER III

Location: James Room

Chairperson: Joseph Cook, University of Washington

ANAYSIS OF A NEW MECHANISM FOR WATER QUALITY TRADING PROGRAM

Xia Zhou, University of Tennessee

Co-Author(s): Christopher Clark, University of Tennessee

BILATERAL NEGOTIATIONS VERSUS A CLEARINGHOUSE MARKET FOR WATER QUALITY TRADING: A STOCHASTIC AGENT-BASED MODELLING APPROACH

Nga Nguyen, Australian Bureau of Agriculture and Resource Economics and Sciences (ABARES)

Co-Author(s): Trung-Thanh Nguyen, University of British Columbia, Patrick Reed, Penn State University and James Shortle, Penn State University

THIN AND LUMPY: AN EXPERIMENTAL INVESTIGATION OF WATER QUALITY TRADING

Jordan Suter, Oberlin College

Co-Author(s): Gregory Poe, Cornell University and John Spraggon, University of Massachusetts

UNLOCKING WATER MARKETS: AN EXPERIMENTAL APPROACH

Joseph Cook, Evans School of Public Affairs, Univ of Washington

Co-Author(s): Sergey Rabotyagov, School of Forest Resources, Univ of Washington

15:45 - 17:15

EMISSIONS TRADING I

Location: Seneca Room

Chairperson: Carolyn Fischer, Resources for the Future

DESIGNING MARKETS FOR POLLUTION WHEN DAMAGES VARY ACROSS SOURCES : EVIDENCE FROM THE NOX BUDGET PROGRAM

Meredith Fowlie, UC Berkeley

ENFORCEMENT AND PRICE CONTROLS IN EMISSIONS TRADING

John Stranlund, UMASS Amherst

Co-Author(s): L. Joe Moffitt, University of Massachusetts-Amherst

SOFT AND HARD PRICE COLLARS IN A CAP-AND-TRADE SYSTEM: A COMPARATIVE ANALYSIS

Harrison Fell, Resources for the Future

Co-Author(s): Dallas Burtraw, Resources for the Future, Richard Morgenstern,
Resources for the Future and Karen Palmer, Resources for the Future

WHEN REVENUE RECYCLING ISN'T ENOUGH (OR ISN'T POSSIBLE): ON THE SCOPE FOR OUTPUT-BASED REBATING IN CLIMATE POLICY

Carolyn Fischer, Resources for the Future

Co-Author(s): Alan Fox, U.S. International Trade Commission

15:45 - 17:15

BIOFUELS II

Location: West Room

Chairperson: Madhu Khanna, University of Illinois Urbana Champaign

ALTERNATIVE TRANSPORTATION FUEL STANDARDS: WELFARE COSTS AND CLIMATE BENEFITS

Madhu Khanna, University of Illinois Urbana-Champaign

Co-Author(s): Xiaoguang Chen, Haixiao Huang, and Hayri Onal,

CAN THE PUBLIC SECTOR JUMP START A VIABLE RENEWABLE ENERGY SECTOR?

Gordon Rausser, University of California, Berkeley

Co-Author(s): Huayong Zhi, University of California, Berkeley

THE EFFECTS OF POLICY AND STRATEGIC FACTORS ON INVESTMENT IN FUEL-ETHANOL PLANTS

C.-Y. Cynthia Lin, University of California, Davis

Co-Author(s): Karen Thome, University of California at Davis and Fujin
Yi, University of California at Davis

WHICH BIOFUEL MARKET DOES THE ETHANOL TARIFF PROTECT? IMPLICATIONS FOR SOCIAL WELFARE AND BIOFUEL POLICY OBJECTIVES

Christine Crago, Energy Biosciences Institute, University of Illinois

Co-Author(s): Madhu Khanna, University of Illinois Urbana-Champaign

15:45 - 17:15

ECOSYSTEM VALUATION

Location: Marion Room

Chairperson: Robert Johnston, Clark University

ARE BENEFIT-TRANSFER ERRORS EXPLAINABLE OR ARE BENEFIT TRANSFERS JUST A SHOT IN THE DARK?

Sapna Kaul, Virginia Tech

Co-Author(s): Kevin Boyle, Virginia Tech, Nicolai Kuminoff, Arizona State
University, Christopher F. Parmeter, University of Miami and Jaren Pope,
Brigham Young University

**NONMARKET VALUATION OF CORAL REEF ECOSYSTEM
RESTORATION: USING THE RANK-ORDERED PROBIT MODEL
WITH INTERNET PANEL DATA**

Barbara Kanninen, BK Econometrics, LLC

Co-Author(s): Richard Bishop, University of Wisconsin, David Chapman,
Stratus Consulting, Jon Krosnick, Stanford University, Bob Leeworthy,
NOAA and Norman Meade, NOAA

**VALUATION OF ECOLOGICAL IMPROVEMENTS FROM REDUCED
ACID RAIN**

Spencer Banzhaf, Georgia State Univ

Co-Author(s): Alan Krupnick, Resources for the Future and Juha
Siikamaki, Resources for the Future

**WILLINGNESS TO PAY HOT SPOTS AND THE DISTRIBUTION OF
ECOSYSTEM SERVICE VALUES: IMPLICATIONS FOR BENEFIT
TRANSFER**

Robert Johnston, Clark University

Co-Author(s): Elena Besedin, Abt Associates, Mahesh Ramachandran,
Clark University, Eric Schultz, University of Connecticut and Kathleen
Segerson, University of Connecticut

15:45 - 17:15

INTERNATIONAL ENVIRONMENTAL ANALYSIS

Location: Spring Room

Chairperson: Carol McAusland, University of British Columbia

A NEW LOOK AT THE ENVIRONMENTAL KUZNETS CURVE

William Jaeger, Oregon State University

Co-Author(s): Van Kolpin, University of Oregon

**LIBERALIZATION OF TRADE IN BIOFUELS: IMPLICATIONS FOR
TECHNOLOGICAL INNOVATION, GHG EMISSIONS AND SOCIAL
WELFARE**

Xiaoguang Chen, University of Illinois at Urbana-Champaign

Co-Author(s): Hayri Önal, University of Illinois at Urbana Champaign,
Haixiao Huang, University of Illinois at Urbana Champaign and Madhu
Khanna, University of Illinois at Urbana Champaign

**TOURISM FLOWS AND MARINE BIODIVERSITY IN SMALL ISLAND
DEVELOPING STATES (SIDS): EVIDENCE FROM PANEL DATA**

Sonja Teelucksingh, University of the West Indies

Co-Author(s): Patrick Watson, University of the West Indies

**FIRM CHARACTERISTICS AND INFLUENCE ON GOVERNMENT
RULE-MAKING; THEORY AND EVIDENCE**

Carol McAusland, University of British Columbia

Co-Author(s): Emma Aisbett, Australian National University

15:45 - 17:15 **ENERGY II** **Location:** North Room
Chairperson: Tsvetan Tsvetanov, University of Connecticut

BUILDING VINTAGE AND ELECTRICITY USE: OLD HOMES USE LESS ELECTRICITY IN HOT WEATHER
Howard Chong, Univ. of California, Berkeley

COMMERCIAL AND INDUSTRIAL DEMAND RESPONSE UNDER TIME-OF-USE ELECTRICITY PRICING
Katrina Jessoe, UC Davis
Co-Author(s): David Rapson, UC Davis

COST EFFECTIVENESS OF ELECTRICITY ENERGY EFFICIENCY PROGRAMS
Karen Palmer, Resources for the Future
Co-Author(s): Toshi Arimura, Sophia University, Shanjun Li, Resources for the Future and Richard Newell, Duke University

EVALUATING ENERGY EFFICIENCY STANDARDS: A TIME-CONSISTENT BEHAVIORAL ECONOMICS APPROACH
Tsvetan Tsvetanov, University of Connecticut
Co-Author(s): Kathleen Segerson, University of Connecticut

15:45 - 17:15 **TOPICS IN RECREATION MODELING II** **Location:** Columbia Room
Chairperson: D. Matt Massey, US EPA

ASSESSING THE IMPACT OF WATER QUALITY ON RECREATION DEMAND IN A PANEL DATA SETTING
Daniel Phaneuf, NC State
Co-Author(s): Joseph Herriges, Iowa State University and Catherine Kling, Iowa State University

MERGING MICRO- AND BIO- ECONOMICS: THE CASE OF RENEWABLE NONMARKET GOODS
Eli Fenichel, Arizona State University
Co-Author(s): Joshua Abbott, Arizona State University

TIME IN A MODEL: USING LATENT-CLASS MODELS TO ACCOUNT FOR CONSUMER PERCEPTIONS OF TRAVEL COSTS IN RECREATIONAL DEMAND ANALYSIS
Craig Mohn, Cascade Econometrics

USING AGGREGATE LICENSE PURCHASES TO ESTIMATE A SITE CHOICE MODEL OF RECREATION DEMAND
D. Matt Massey, US EPA
Co-Author(s): Adam Daigneault, and Steve Newbold, US EPA

15:45 - 17:15 **SPONSORED SESSIONS II** **Location:** South Room
Chairperson: Randall Walsh, University of Pittsburgh

**COMPARING EXPERIMENTAL AND NON-EXPERIMENTAL
EVALUATION DESIGNS USING A LARGE-SCALE RANDOMIZED
EXPERIMENT IN URBAN ENVIRONMENTAL POLICY**

Paul Ferraro, Georgia State University
Co-Author(s): Juan Jose Miranda, Georgia State University
Discussant(s): Sheila Olmstead, Resources for the Future

**AN ANALYSIS OF BRITISH COLUMBIA'S SCRAP-IT PROGRAM:
PARTICIPATION, TRANSPORTATION CHOICE AND EMISSIONS
SAVINGS.**

Sumeet Gulati, University of British Columbia
Co-Author(s): Werner Antweiler, University of British Columbia
Discussant(s): Josh Linn, Resources for the Future

17:15 - 19:30 **AERE BOARD MEETING** **Location:** Salon C Madison Ballroom
(INVITATION ONLY)

FRIDAY 10 JUNE 2011

08:30 - 10:00 PARALLEL SESSION 4

08:30 - 10:00 **CLIMATE CHANGE III** **Location:** East Room
Chairperson: Derek Lemoine, University of Arizona

AMBIGUITY AND CLIMATE POLICY

Antony Millner, UC Berkeley
Co-Author(s): Simon Dietz, London School of Economics and Geoffrey
Heal, Columbia Business School

**OPTIMAL MANAGEMENT OF A STOCK POLLUTANT WITH
NONLINEAR FEEDBACK AND UNCERTAINTY: AN APPLICATION
TO CLIMATE CHANGE**

Charles Seguin, UC Berkeley

**TEMPORAL INVESTMENT IN CLIMATE CHANGE ADAPTATION
AND MITIGATION**

Weiwei Wang, Ph.D. Candidate
Co-Author(s): Bruce A. McCarl, Regents Professor and Distinguished
Professor

**TIPPING POINTS AND AMBIGUITY IN THE INTEGRATED
ASSESSMENT OF CLIMATE CHANGE**

Derek Lemoine, University of Arizona
Co-Author(s): Christian Traeger, University of California, Berkeley

08:30 - 10:00 **FISHERIES I** **Location:** James Room

Chairperson: Carlos Chavez, Universidad de Concepcion

CAPACITY AND COMPLIANCE IN QUOTA REGULATED INDUSTRIES
Itziar Lazkano, University of Calgary
Co-Author(s): Linda Nøstbakken, Alberta School of Business, University of Alberta

**PRODUCTION EXTERNALITIES AND MARKOV-NASH EQUILIBRIUM
RENT DISSIPATION IN RIGHTS-BASED FISHERIES**
Quinn Weninger, Iowa State University
Co-Author(s): Adriana Valcu, Iowa State University

**QUOTAS AND EFFORT CONTROLS DOMINATE TAXES FOR
FISHERIES MANAGEMENT**
Andrew Plantinga, Oregon State University
Co-Author(s): Christopher Costello, UC Santa Barbara and Bruce
McGough, Oregon State University

WHO SHOULD PAY THE ADMINISTRATIVE COSTS OF AN ITQ FISHERY?
Carlos Chavez, Universidad de Concepcion
Co-Author(s): John Stranlund, University of Massachusetts-Amherst.

08:30 - 10:00 **EMISSIONS TRADING II** **Location:** Seneca Room

Chairperson: Sarah Polborn, Aarhus School of Business

**A PROBABILISTIC ANALYSIS OF THE STRATEGIC RESERVE FUND
FOR CAP-AND-TRADE**
Peter Maniloff, Duke University
Co-Author(s): Brian Murray, Nicholas Institute of Environmental Policy
Solutions and Nicholas School of the Environment, Duke University

**POLLUTION PERMIT MARKETS FOR NORTH CAROLINA'S NEUSE
RIVER**
Andrew Yates, University of Richmond
Co-Author(s): Martin Doyle, University of North Carolina, J.R. Rigby,
University of North Carolina and Kurt Schnier, Georgia State University

**PERFORMANCE OF A STRATEGIC ALLOWANCE RESERVE IN A
CAP-AND-TRADE PROGRAM: A PROBABILISTIC ANALYSIS**
Alexander Golub, EDF
Co-Author(s): Nat Keohane, EDF

**THE POLITICAL ECONOMY OF CARBON SECURITIES AND
ENVIRONMENTAL POLICY**
Sarah Polborn, Aarhus School of Business

08:30 - 10:00 **AIR POLLUTION** **Location:** West Room
Chairperson: Mark Dickie, University of Central Florida

AIR POLLUTION AND CHILDREN'S HEALTH: A COHORT ANALYSIS

Jay Shimshack, Tulane University
Co-Author(s): Timothy Beatty, University of Minnesota

AIR POLLUTION AND CONTEMPORANEOUS HEALTH: EVIDENCE FROM RANDOM VARIATION IN POLLUTION SHOCKS FROM AIRPORTS

Wolfram Schlenker, Columbia University
Co-Author(s): William Reed Walker, Columbia University

AIR QUALITY, CAREGIVING NEEDS, AND THE LOCATION DECISIONS OF OLDER ADULTS

Mary Evans, Claremont McKenna College
Co-Author(s): V. Kerry Smith, Arizona State University, Resources for the Future, National Bureau of Economic Research

COLLECTIVE RATIONALITY AND ENVIRONMENTAL RISKS TO HEALTH IN THE FAMILY: AN EMPIRICAL TEST

Mark Dickie, University of Central Florida
Co-Author(s): Wictor Adamowicz, Univ of Alberta, Shelby Gerking, Univ of Central Florida & Tilburg University, Marcella Veronesi, ETH-Zurich and David Zinner, Univ of Alberta

08:30 - 10:00 **ECOSYSTEMS I** **Location:** Marion Room
Chairperson: Emi Uchida, University of Rhode Island

BIO-ECONOMICS OF AN INVASIVE PLANT ON RANGELANDS: HOUND'S TONGUE AND LIVESTOCK PRODUCTION IN BRITISH COLUMBIA

Rupananda Widanage, Simon Fraser University
Co-Author(s): Duncan Knowler, Simon Fraser University

ECONOMIC/ECOLOGICAL TRADEOFFS AMONG ECOSYSTEM SERVICES: HUNTING, GRAZING AND PRESERVING NATURALNESS

John Tschirhart, University of Wyoming
Co-Author(s): Tanvir Hussain, BRAC University

INCORPORATING ECOLOGICAL THRESHOLDS IN THE MODELING OF ECONOMIC DECISION MAKING ON SEMI-ARID RANGELANDS

Kimberly Rollins, University of Nevada, Reno
Co-Author(s): Mimako Kobayashi, University of Nevada, Reno, Michael Taylor, university of Nevada, Reno and Chenyang Xu, University of Nevada, Reno

SUSTAINING MANGROVE ECOSYSTEM SERVICES THROUGH A PROTECTED AREA: CAN GIVING UP SHORT-RUN GAINS FROM NATURAL CAPITAL AVOID A LONG-RUN POVERTY TRAP?

Emi Uchida, University of Rhode Island
Co-Author(s): Arthur Gold, University of Rhode Island and Catherine McNally, University of Rhode Island

08:30 - 10:00 **FORESTRY I** **Location:** Spring Room
Chairperson: J.R. DeShazo, UCLA

**COMPARING THE COSTS OF PRESERVING TROPICAL FORESTS
IN AN ECONOMY SPECIALIZED IN AGRICULTURE AND IN A
DIVERSIFIED ECONOMY**

Helene Ollivier, University of California, Berkeley
Co-Author(s): Jean-Marc Bourgeon, INRA and Ecole Polytechnique

**DOES COMMON PROPERTY FOREST MANAGEMENT CHANGE
ON-FARM BEHAVIOR? EVIDENCE ON TREE PLANTING IN
HIGHLAND ETHIOPIA**

Randall Bluffstone, Portland State University

**FOREST CONSERVATION AND SLIPPAGE: EVIDENCE FROM
MEXICO'S NATIONAL PAYMENTS FOR ECOSYSTEM SERVICES
PROGRAM**

Jennifer Alix-Garcia, University of Wisconsin-Madison
Co-Author(s): Elizabeth Shapiro, Duke University and Katharine Sims,
Economics Dept., Amherst College

**VALUING POACHING AND LOGGING PROTECTION POLICIES FOR
TROPICAL FOREST ECOSYSTEMS**

J.R. DeShazo, UCLA
Co-Author(s): Richard Carson, UCSD, Kurt Schwabe, UCR and Jeffery
Vincent, Duke University

08:30 - 10:00 **ENERGY III** **Location:** North Room
Chairperson: Martin Heintzelman, Clarkson University

**DRIVERS OF TECHNOLOGY TRANSFER: TRADITIONAL VERSUS
LOW-CARBON TECHNOLOGIES FOR ELECTRICITY PRODUCTION**

Elena Verdolini, Fondazione Eni Enrico Mattei
Co-Author(s): Valentina Bosetti, Fondazione Eni Enrico Mattei and
CMCC

**ECONOMICS OF CALIFORNIA'S GEYSERS GEOTHERMAL STEAM
FIELD**

Joeri de Wit, UC Davis
Co-Author(s): James Wilen, UC Davis

**EMISSIONS SAVINGS FROM WIND POWER GENERATION:
EVIDENCE FROM TEXAS, CALIFORNIA, AND THE UPPER MIDWEST**

Daniel Kaffine, Colorado School of Mines
Co-Author(s): Jozef Lieskovsky, Bentek Energy, LLC and Brannin
McBee, Bentek Energy, LLC

**VALUES IN THE WIND: A HEDONIC ANALYSIS OF WIND POWER
FACILITIES**

Martin Heintzelman, Clarkson University
Co-Author(s): Carrie Tuttle, Clarkson University

08:30 - 10:00 **TOPICS IN RECREATION MODELING I** **Location:** Columbia Room
Chairperson: Yongjie Ji, Iowa State University

CONGESTION AND SITE CHOICE: BEACH RECREATION IN THE MEDITERRANEAN

Angel Bujosa Bestard, Centre de Recerca Economica (UIBÀ·Sa Nostra)
Co-Author(s): Robert L. Hicks, The College of William and Mary, Kenneth E. McConnell, College of Agriculture and Natural Resources, University of Maryland and Antoni Riera Font, Centre de Recerca Economica (UIB-SA-NOSTRA))

ESTIMATING THE VALUE OF TRAVEL TIME TO RECREATIONAL SITES USING REVEALED PREFERENCES

Carlo Fezzi, University of East Anglia
Co-Author(s): Ian Bateman, UEA

ESTIMATING VALUE OF MORTALITY RISK REDUCTION USING THE KUHN-TUCKER MODEL: AN APPLICATION TO RECREATION DEMAND

Koichi Kuriyama, Kyoto University
Co-Author(s): Yasushi Shoji , Hokkaido University and Takahiro Tsuge, Konan University

MODELING RECREATION WITH PARTIAL TRIP INFORMATION

Yongjie Ji, Iowa State University
Co-Author(s): Catherine L. Kling, Department of Economics, Iowa State University and Joseph A. Herriges, Department of Economics, Iowa State University

08:30 - 10:00 **SPONSORED SESSIONS III** **Location:** South Room
Chairperson: Randall Walsh, University of Pittsburgh

NATIONAL EVIDENCE ON THE NON-MARKET ECONOMY

Jaren Pope, Brigham Young University
Discussant(s): Susana Ferreira, University of Georgia

ARE BIG CITIES BAD PLACES TO LIVE? ESTIMATING QUALITY OF LIFE ACROSS METROPOLITAN AREAS

David Albouy, University of Michigan
Discussant(s): Matthew Turner, University of Toronto

10:30 - 12:00 PARALLEL SESSION 5

10:30 - 12:00 **CLIMATE CHANGE IV** **Location:** East Room
Chairperson: Jerome Dumortier, Iowa State University

A GLOBAL PERSPECTIVE ON AGRICULTURE/FORESTRY AND ENERGY SECTOR GREENHOUSE GAS MITIGATION OPTIONS

Carol Adaire Jones, Economic Research Service, USDA
Co-Author(s): Jayson Beckman, Economic Research Service, USDA and Ronald Sands, Economic Research Service, USDA

**CLIMATE CHANGE IMPACTS OF RENEWABLE ENERGY POLICIES:
THE ROLES OF CAPACITY CONSTRAINTS AND MARKET POWER**

Min Wang , Iowa State University

Co-Author(s): Jinhua Zhao, Michigan State University

**MEASURING THE WELFARE LOSS TO LANDOWNERS OF
FUTURE GEOGRAPHIC SHIFTS IN THE SUITABLE HABITAT FOR
VEGETATION DUE TO CLIMATE CHANGE**

Peter Howard, Agricultural and Resource Economics, University of
California, Davis

**SENSITIVITY OF CARBON EMISSION ESTIMATES FROM INDIRECT
LAND-USE CHANGE**

Jerome Dumortier, Iowa State University

Co-Author(s): Miguel Carriquiry, Iowa State University, Fengxia Dong,
Iowa State University, Xiaodong Du, Iowa State University, Amani
Elobeid, Iowa State University, Jacinto Fabiosa, Iowa State University,
Dermot Hayes, Iowa State University and Simla Tokgoz, International
Food Policy Research Institute

10:30 - 12:00

FISHERIES II

Location: James Room

Chairperson: Lori Bennear, Duke University

**ESTIMATING THE EFFECT OF THE DEAD ZONE ON THE GULF
SHRIMP FISHERY USING SYNTHETIC CONTROL METHODS**

Lori Bennear, Duke University

Co-Author(s): Martin Smith, Duke University

**POTENTIAL COSTS OF RESTRICTIONS ON TRADE AND
OWNERSHIP IN THE ALASKAN HALIBUT AND SABLEFISH IFQ
PROGRAM**

Kailin Kroetz, UC Davis

Co-Author(s): Dan Lew, Alaska Fisheries Science Center, National
Marine Fisheries Service and James Sanchirico, UC Davis

**ROBUST DYNAMIC OPTIMIZATION AND NATURAL RESOURCE
MANAGEMENT: NUMERICAL METHODS AND FISHERIES
MANAGEMENT**

Richard Woodward, Texas A&M University

Co-Author(s): David Tomberlin, World Resources Institute and NOAA Fisheries

**THE DYNAMIC EFFICIENCY COSTS OF COMMON-POOL
RESOURCE EXPLOITATION**

Martin Smith, Duke University

Co-Author(s): Ling Huang, University of Connecticut

10:30 - 12:00 **EMISSIONS TRADING III** **Location:** Seneca Room
Chairperson: Marc Gronwald, ifo Institute for Economic Research

**(MIS-)ALLOCATION IN THE EU EMISSIONS TRADING SYSTEM:
A FIRM-LEVEL ANALYSIS**

Ulrich Wagner, Universidad Carlos III de Madrid
Co-Author(s): Laure de Preux, York University, Ralf Martin, Centre for
Economics Performance, London School of Economics and Mirabelle
Muûls, Grantham Institute for Climate Change, Imperial College London

**PRICE CONTROLS AND BANKING IN EMISSIONS TRADING:
AN EXPERIMENTAL EVALUATION**

James Murphy, University of Alaska Anchorage
Co-Author(s): John Spraggon, University of Massachusetts Amherst and
John Stranlund, University of Massachusetts Amherst

**WHAT DETERMINED PERMIT ALLOCATION IN EU-ETS? ECONOMIC
THEORY VS. POLITICAL RHETORIC**

Jinhua Zhao, Michigan State University
Co-Author(s): Jong Duk Kim , Michigan State University

**WHAT STIRS THE EUROPEAN CARBON MARKET? INSIGHTS FROM
CONDITIONAL JUMP MODELS**

Marc Gronwald, ifo Institute for Economic Research
Co-Author(s): Janina Ketterer, ifo Institute for Economic Research

10:30 - 12:00 **DRIVING CHOICES & CONSEQUENCES** **Location:** West Room
Chairperson: Michael Anderson, U.C. Berkeley

**OFF-ROAD VEHICLES, ENDANGERED SPECIES AND BEACH
CLOSURES AT CAPE HATTERAS NATIONAL SEASHORE**

Roger von Haefen, North Carolina State University
Co-Author(s): Carol Mansfield, RTI International

SPEEDING BEHAVIOR AND GASOLINE PRICES

Hendrik Wolff, University of Washington
Co-Author(s): Kari Watkins, University of Washington

THE IMPACT OF GASOLINE PRICES ON INTERNET PURCHASES

Andrea Martens, University of Illinois at Urbana-Champaign

VEHICLE WEIGHT, HIGHWAY SAFETY, AND ENERGY POLICY

Michael Anderson, U.C. Berkeley
Co-Author(s): Max Auffhammer, U.C. Berkeley

10:30 - 12:00 **ECOSYSTEMS II** **Location:** Marion Room
Chairperson: Yohei Mitani, Norwegian University of Life Sciences

LEARNING IN A NOISY ENVIRONMENT: ADAPTIVE MANAGEMENT FOR INCONVENIENT MODELS

Mike Springborn, UC Davis

Co-Author(s): James Sanchirico, UC Davis

OPTIMAL CONTROL OF AN INVASIVE ECOSYSTEM ENGINEER

David Kling, University of California, Davis

Co-Author(s): Alan Hastings, University of California, Davis and James Sanchirico, University of California, Davis

PREFERENCES FOR RESTORING ECOSYSTEMS: EVIDENCE FROM A CHOICE EXPERIMENT SURVEY OF GRASSLAND RESTORATION

Sahan Dissanayake, University of Illinois

Co-Author(s): Amy Ando, University of Illinois

THE EFFECTS OF ECOLOGICAL INFORMATION PROVISION ON PREFERENCES FOR ECOSYSTEM RESTORATION

Yohei Mitani, Norwegian University of Life Sciences

10:30 - 12:00

FORESTRY II

Location: Spring Room

Chairperson: B. Kelsey Jack, MIT

CLIMATE AND REVENUE BENEFITS OF POLICIES TO REDUCE EMISSIONS FROM DEFORESTATION IN INDONESIA

Jonah Busch, Conservation International

RISK MANAGEMENT IN A LARGE-SCALE EMISSIONS REDUCTION PROGRAM: ESTIMATING THE INSURANCE VALUE OF REDD BUFFERS IN INDONESIA

Ruben Lubowski, Environmental Defense Fund

Co-Author(s): Jonah Busch, Conservation International, Alexander Golub, Environmental Defense Fund and Ram Ranjan, Macquaire University

COLLECTIVE FOREST TENURE REFORM AND HOUSEHOLD LABOR ALLOCATION TO FOREST, FARM, AND OFF-FARM PRODUCTION IN RURAL CHINA

Priscilla St. Clair, Pacific Lutheran University

Co-Author(s): Xuemei Jiang, Beijing University and Jintao Xu, Beijing University

SCREENING CONTRACTS FOR FORESTRY-BASED CARBON OFFSETS

B. Kelsey Jack, MIT

Co-Author(s): Samuel Bell, Cornell University, Raymond Guiteras, University of Maryland and Paulina Oliva, UCSB

10:30 - 12:00 **TRANSPORT I** **Location:** North Room
Chairperson: Ian Parry, International Monetary Fund

**AN ASIAN OR US APPROACH TO PUBLIC TRANSPORT?
POPULATION PREFERENCES FOR CHANGES TO SYDNEY'S
PUBLIC TRANSPORTATION SYSTEM(S)**

Terry Flynn, Centre for the Study of Choice (CenSoC), UTS
Co-Author(s): Jordan Louviere, The Centre for the Study of Choice (CenSoC)

**CLEARING THE AIR BY PROMOTING HYBRIDS? THE UNINTENDED
CONSEQUENCES OF ALLOWING SOLO-HYBRID DRIVERS IN HIGH
OCCUPANCY LANES**

Antonio Bento, Cornell University
Co-Author(s): Daniel Kaffine, Colorado School of Mines, Kevin Ross,
Cornell University and Matthew Zaragoza, UC Berkeley

**DO SMART GROWTH STRATEGIES HAVE A ROLE IN CURBING
VEHICLE MILES TRAVELED IN CALIFORNIA? A FURTHER
ASSESSMENT USING HOUSEHOLD LEVEL SURVEY DATA**

Sudip Chattopadhyay, San Francisco State University

**PUTTING PIGOU INTO PRACTICE: RECOMMENDATIONS FOR
TAX REFORMS TO REDUCE CONGESTION AND IMPROVE THE
ENVIRONMENT IN MAURITIUS**

Ian Parry, International Monetary Fund

10:30 - 12:00 **TOPICS IN VALUATION** **Location:** Columbia Room
Chairperson: Sandra Hoffmann, USDA Economic Research Service

**A FAIR SHARE - BURDEN-SHARING PREFERENCES IN THE
UNITED STATES AND CHINA**

Alan Krupnick, Resources for the Future
Co-Author(s): Fredrik Carlsson, University of Gothenberg, Susie Chong,
ex-Resources for the Future, Mitesh Kataria, Max Planck Institute
of Economics, Elina Lampi, University of Gothenberg, Asa Lofgren,
University of Gothenberg, Ping Qin, Beijing University and Thomas
Sterner, University of Gothenberg

**OVERHEATING WILLINGNESS TO PAY: WHO GETS WARM GLOW
AND WHAT IT MEANS FOR VALUATION**

Matthew Interis, Mississippi State University, Dept. of Agricultural
Economics
Co-Author(s): Tim Haab, The Ohio State University, Dept. of AED
Economics

**VALUING GAINS, LOSSES, AND REDUCTIONS OF LOSSES:
REFERENCE STATES AND THE APPROPRIATE CHOICE OF
WELFARE MEASURES**

Jack Knetsch, Simon Fraser University

WHO SPEAKS FOR THE HOUSEHOLD AND DOES IT MATTER?

Sandra Hoffmann, USDA Economic Research Service

Co-Author(s): Vic Adamowicz, University of Alberta and Alan Krupnick,
Resources for the Future

10:30 - 12:00

SPONSORED SESSIONS IV

Location: South Room

Chairperson: Randall Walsh, University of Pittsburgh

**MEETING URBAN HOUSING NEEDS: DO PEOPLE REALLY COME
TO THE NUISANCE?**

Brooks Depro, RTI International

Co-Author(s): Maggie O'Neil, RTI International and Christopher Timmins,
Duke University

Discussant(s): Trudy Cameron, Department of Economics, University of
Oregon

**MEASURING LOCALIZED BENEFITS WITH COARSE-RESOLUTION
TRACT DATA: WHAT CAN WE LEARN ABOUT THE VALUE OF
HAZARDOUS WASTE CLEANUP FROM PUBLIC DATA?**

Shanti Gamper-Rabindran, University of Pittsburgh

Co-Author(s): Christopher Timmins, Duke University

Discussant(s): Michael Roberts, North Carolina State University

12:00 - 13:30

BOXED LUNCH

Location: Courtyard Ballroom

Chairperson: Laura Taylor

12:00 - 13:30

POSTER SESSION

Location: Courtyard Ballroom Lobby

**A PROJECTION OF THE CLIMATE CHANGE IMPACT ON URBAN
WATER CONSUMPTION IN A DEVELOPING COUNTRY: THE CASE
OF CHILE**

Oscar Melo, Pontificia Universidad Catolica de Chile

Co-Author(s): Juan Manuel Fercovic, Pontificia Universidad Catolica de
Chile

**ACCOUNTING FOR TASTES: A VALUATION IN RISK REDUCTION IN
RAW SEAFOOD CONSUMPTION**

David McEvoy, Appalachian State University

Co-Author(s): David Bruner, Appalachian State University, William Huth,
University of West Florida and Ash Morgan, Appalachian State University

**AN EMPIRICAL DYNAMIC MODEL OF MARKETS FOR
NONRENEWABLE RESOURCES**

Wei Zhang, University of California Davis

Co-Author(s): C.-Y. Cynthia Lin, University of California Davis

**ANALYSIS OF FACTORS INFLUENCING OPEN SPACE VALUES
USING A SPATIAL HEDONIC MODEL**

Monobina Mukherjee, University of California, Riverside

Co-Author(s): Linda Fernandez, University of California, Riverside

APPLYING A FAMILIARITY-BASED CHOICE SETS APPROACH TO THE KUHN-TUCKER MODEL

Takahiro Tsuge, Konan University

Co-Author(s): Koichi Kuriyama, Kyoto University and Yasushi Shoji, Hokkaido University

CONVENTIONAL AND LOW-CARBON ENVIRONMENTS: IS THE FRAMEWORK SUSTAINABLE?

Zhanna Kapsalyamova, Masdar Institute

Co-Author(s): I-Tsung Tsai, Masdar Institute

CROP YIELD GROWTH AND ITS IMPLICATION FOR THE INTERNATIONAL EFFECTS OF US BIOENERGY AND CLIMATE POLICIES

Feng Siyi, Department of Agricultural Economics, Texas A&M University

Co-Author(s): Petr Havlik, International Institute for Applied Systems Analysis and Bruce McCarl, Department of Agricultural Economics, Texas A&M University

DYNAMIC FEEDBACK BETWEEN SURFACE AND GROUNDWATER SYSTEMS: IMPLICATIONS FOR CONJUNCTIVE MANAGEMENT

Kelly Cobourn, Boise State University

ECONOMIC EVALUATION OF A CATCH SHARE PROGRAM: EVIDENCE FROM THE RHODE ISLAND FLUKE FISHERY SECTOR PILOT PROGRAM

Co-Author(s): Christopher Anderson, University of Rhode Island, Andrew Scheld, University of Rhode Island and Hirotsugu Uchida, University of Rhode Island

ESTIMATING OPTIMAL CONSERVATION FEES IN THE PRESENCE OF LAND RESTITUTION IN THE KGALAGADI TRANSFRONTIER PARK BETWEEN BOTSWANA AND SOUTH AFRICA

Johane Dikgang, Environmental Policy Research Unit, School of Economics, University of Cape Town

Co-Author(s): Edwin Muchapondwa, Environmental for Development (EfD) Initiative

IMPACT OF THE GREEN REVOLUTION ON CHANGES IN FOREST COVER IN DEVELOPING COUNTRIES: A CAUSALITY ASSESSMENT

Padmaja Pancharatnam, Texas A&M University

Co-Author(s): Piyasena Abeygunawardena, Texas A&M University, Ruth Aisabokhae, Texas A&M University and Bruce McCarl, Texas A&M University

LAND USE CHANGES AND GREENHOUSE GAS EMISSIONS MITIGATION: AN ALTERNATIVE ANALYSIS OF BRAZIL AND U.S. BIOFUEL POLICIES USING A SPATIAL MULTI-MARKET EQUILIBRIUM MODEL

Hector Nunez, University of Illinois at Urbana Champaign

Co-Author(s): Xiaoguang Chen, University of Illinois at Urbana

Champaign, Haixiao Huang, University of Illinois at Urbana Champaign,
Madhu Khanna, University of Illinois at Urbana Champaign and Hayri
Onal, University of Illinois at Urbana Champaign

**THE EFFECT OF ENVIRONMENTAL RANKINGS IN STOCK PRICES:
THE CASE OF THE NEWSWEEK GLOBAL 100 RANKINGS**

Juan Murguia, Iowa state University
Co-Author(s): Sergio Lence, Iowa State University

**THE IMPACT OF WILDLIFE REFUGES ON RESIDENTIAL PROPERTY
VALUES**

Xiangping Liu, NC State University

**WHAT DO COMMODITY FUTURES TELL US ABOUT PRICE TRENDS
OF NATURAL RESOURCES?**

Xiaomei Chen, NC State University

**URBAN AND SUBURBAN BUSINESS PARTICIPATION IN
ELECTRICITY DEMAND MANAGEMENT PROGRAMS**

Mark Leonard, University of Nebraska at Omaha
Co-Author(s): Christopher Decker, University of Nebraska at Omaha

**WILLINGNESS-TO-PAY FOR OYSTER CONSUMPTION RISK
REDUCTIONS BEFORE AND AFTER THE DEEPWATER HORIZON
OIL SPILL**

John Whitehead, Appalachian State University
Co-Author(s): William Huth, University of West Florida, Greg Martin,
Northern Kentucky University, Ash Morgan, Appalachian State University
and Richard Sjolander, University of West Florida

**WATER ALLOCATION STRATEGIES FOR UZBEKISTAN:
EXPERIMENTAL EVIDENCE**

Ana Esp nola-Arredondo, Washington State University
Co-Author(s): Andrey Zaikin, Washington State University

**THE POSSIBILITY OF SOCIALLY RESPONSIBLE INVESTMENT
IN JAPAN: A STUDY ON INVESTORS' PREFERENCE ABOUT
CORPORATE SOCIAL RESPONSIBILITY**

Makiko Nakano, Nagoya University
Co-Author(s): Takahiro Tsuge , Konan University

13:30 - 15:00 PARALLEL SESSION 6

13:30 - 15:00 COASTS & FLOODS

Location: East Room

Chairperson: Susana Ferreira, University of Georgia

**ARE PRIVATE DEFENSIVE EXPENDITURES AGAINST STORM
DAMAGES AFFECTED BY PUBLIC PROGRAMS AND NATURAL
BARRIERS? EVIDENCE FROM BANGLADESH COASTAL AREAS**

Sakib Mahmud, University of Wyoming
Co-Author(s): Edward Barbier , University of Wyoming

**COASTLINE DEFENSE AGAINST CLIMATE CHANGE AND THE
NOURISHMENT DILEMMA**

Sathya Gopalakrishnan, Duke University

Co-Author(s): Dylan McNamara, University of North Carolina, Wilmington
and Martin Smith, Duke University

**ESTIMATING THE EX-ANTE WILLINGNESS TO PAY FOR FLOOD
PROTECTION**

Scott Farrow, UMBC

Co-Author(s): Michael Scott, Salisbury University

**NATURE, SOCIOECONOMICS AND ADAPTATION TO NATURAL
DISASTERS: NEW EVIDENCE FROM FLOODS**

Susana Ferreira, University of Georgia

13:30 - 15:00

WATER IV

Location: James Room

Chairperson: Rachael Goodhue, University of California, Davis

**ANALYZING THE TRADE-OFFS BETWEEN AGRICULTURE AND
NATIVE ENDANGERED SPECIES: THE CASE OF THE YOLO
BYPASS FLOODPLAIN**

Cloe Garnache, UC Davis

Co-Author(s): Richard Howitt, UC Davis

**ORDERING THE EXTRACTION OF RENEWABLE RESOURCES:
HOTELLING, HERFINDAHL, AND GROUNDWATER**

James Roumasset, University of Hawaii

Co-Author(s): Christopher Wada, University of Hawaii

**THE ECONOMICS OF TIERED PRICING AND COST FUNCTIONS:
ARE EQUITY, COST RECOVERY, AND ECONOMIC EFFICIENCY
COMPATIBLE GOALS?**

Karina Schoengold, University of Nebraska, Lincoln

Co-Author(s): David Zilberman, University of California, Berkeley

**THE FUTURE OF CALIFORNIA'S SACRAMENTO-SAN JOAQUIN
DELTA: WATER POLICY ALTERNATIVES AND PROBABILISTIC
POLITICAL FEASIBILITY**

Rachael Goodhue, University of California, Davis

Co-Author(s): Susan Stratton Sayre, Smith College and Leo Simon,
University of California, Berkeley

13:30 - 15:00

**ENVIRONMENTAL REGULATION, ENFORCEMENT,
AND ALTERNATIVE POLICY TOOLS**

Location: Seneca Room

Chairperson: Mark Cohen, Resources for the Future and Vanderbilt University

**ADOPTION OF POLLUTION PREVENTION TECHNOLOGY: THE
ROLE OF INFORMATION SPILLOVER AND VOLUNTARY PROGRAM
PARTICIPATION**

Xiang Bi, University of Illinois

Co-Author(s): George Deltas, University of Illinois and Madhu Khanna,
University of Illinois

DEVELOPING QUANTITATIVE TOOLS FOR REGULATORY ENVIRONMENTAL JUSTICE ANALYSIS

Glenn Sheriff, National Center for Environmental Economics
Co-Author(s): Kelly Maguire, National Center for Environmental Economics

ENVIRONMENTAL POLICY IMPACTS ON WELFARE AND INNOVATION - ACCOUNTING FOR OLIGOPOLY AND INCUMBENT INNOVATORS

Cristina Reiser, University of Tennessee

NEW EVIDENCE ON THE DETERRENT EFFECT OF INSPECTIONS AND ENFORCEMENT

Mark Cohen, Resources for the Future and Vanderbilt University
Co-Author(s): Lucija Muehlenbachs, Resources for the Future

13:30 - 15:00

POLICY

Location: West Room

Chairperson: Gardner Brown, University of Washington

ALTERNATIVE POLICIES TO ENCOURAGE THE ADOPTION OF ANAEROBIC DIGESTERS ON LIVESTOCK OPERATIONS

Stacy Sneeringer, Economic Research Service, USDA
Co-Author(s): Nigel Key, Economic Research Service, USD

FISCAL INCENTIVES AND POLLUTION INFRASTRUCTURE: THE CASE OF SEWAGE TREATMENT IN CHINA

Antung Liu, UC San Diego
Co-Author(s): Junjie Zhang, UC San Diego

CROWDING-IN, CROWDING-OUT AND OVER-CROWDING: THE INTERACTION BETWEEN PRICE AND QUANTITY BASED INSTRUMENTS AND INTRINSIC MOTIVATION

Luca Panzone, University College London
Co-Author(s): Grischa Perino, University of East Anglia and Timothy Swanson, The Graduate Institute, Geneva

TREES AND LEAVES: HOW MANY LEAVES SHOULD BE SWEEPED IN A WORLD OF GLOBAL WARMING?

Gardner Brown, University of Washington
Co-Author(s): Wisdom Akpalu, State University of New York - Farmingdale, Gunnar Kohlin, University of Gothenburg, David Ragozin, University of Washington and Goran Wallin, University of Gothenburg

13:30 - 15:00

LAND MANAGEMENT

Location: Marion Room

Chairperson: Patricia Champ, USDA Forest Service

ESTIMATING THE PROCESS OF URBANIZATION AND ITS INFLUENCE ON LAKE WATER QUALITY

Katsuya Tanaka, Shiga University
Co-Author(s): JunJie Wu, Oregon State University

**INDUCED DEVELOPMENT IN RISKY LOCATIONS: FIRE
SUPPRESSION AND LAND USE IN THE AMERICAN WEST**

Sheila Olmstead, Resources for the Future

Co-Author(s): Carolyn Kousky, Resources for the Future

**SOCIAL BUDGETING SOFTWARE TO IMPROVE AGRICULTURAL
ECONOMIC DATA COLLECTION, DISSEMINATION, AND ANALYSIS**

Kevin Boyle, DevTreks

Co-Author(s): Philip Heilman, USDA, ARS, Liwang Ma, USDA, ARS,

Robert W Malone, USDA, ARS and Kanwar Ramesh, Iowa State University

**THE ROLE OF SOCIAL INTERACTIONS AND RISK PERCEPTIONS IN
WILDFIRE RISK MITIGATION BEHAVIORS**

Patricia Champ, Rocky Mountain Research Station

Co-Author(s): Hannah Brenkert-Smith, University of Colorado, Institute
of Behavioral Science, Katie Dickinson, National Center for Atmospheric
Research and Nicholas Flores, University of Colorado

13:30 - 15:00

FORESTRY III

Location: Spring Room

Chairperson: Heidi Albers, Oregon State University

**DECENTRALIZATION & DEVELOPMENT-ENVIRONMENT
TRADEOFFS: FEDERAL VERSUS STATE CONSERVATION CHOICE
& IMPACTS ON AMAZONIAN DEFORESTATION**

Juan Robalino, CATIE

Co-Author(s): Diego Herrera, Duke University and Alexander Pfaff, Duke
University

**DECENTRALIZED GOVERNANCE AND LOGGING: AN
ECONOMETRIC ANALYSIS IN EUROPEAN RUSSIA**

Kelly Wendland, University of Wisconsin-Madison

Co-Author(s): Jennifer Alix-Garcia, University of Wisconsin-Madison and
David Lewis, University of Puget Sound

**DISAGGREGATING THE MECHANISMS OF FOREST CONVERSION
TO IMPROVE FOREST MANAGEMENT IN SUMATRA**

Marc Conte, Stanford University

**WHY IS IT SO DIFFICULT FOR PARTICIPATORY FOREST
MANAGEMENT TO ACHIEVE BOTH ECOLOGICAL AND
LIVELIHOOD OBJECTIVES? TANZANIA'S PATROLS, BEES,
CHARCOAL, AND TREES**

Heidi Albers, Oregon State University

Co-Author(s): E.J.Z. Robinson, Environment for Development Initiative,
University of Gotheborg, IFPRI

13:30 - 15:00

TRANSPORT II

Location: North Room

Chairperson: Roth Kevin, Cornell

**BEHAVIORAL BENEFIT-COST ANALYSIS AND THE ENERGY GAP: THE
CASE OF VEHICLE GREENHOUSE GAS/FUEL ECONOMY REGULATION**

Gloria Helfand, Environmental Protection Agency

CAR NOTCHES: STRATEGIC AUTOMAKER RESPONSES TO FUEL ECONOMY POLICY

James Sallee, University of Chicago
Co-Author(s): Joel Slemrod, University of Michigan

ELASTICITY IN THE SUPPLY OF USED CARS: ESTIMATING THE SCRAP DECISION

Mark Jacobsen, University of California, San Diego
Co-Author(s): Arthur van Benthem, Stanford University

IS THERE AN ENERGY PARADOX IN AUTOMOBILE FUEL ECONOMY? THE ROLE OF CONSUMER HETEROGENEITY

Roth Kevin, Cornell
Co-Author(s): Antonio Bento, Cornell University and Shanjun Li, RFF

13:30 - 15:00 **VALUATION I: CHOICE, LAB, AND FIELD EXPERIMENTS** **Location:** Columbia Room

Chairperson: Kevin Boyle, Virginia Tech

ARE VALUATIONS FROM NON-HYPOTHETICAL CHOICE EXPERIMENTS DIFFERENT FROM EXPERIMENTAL AUCTIONS?

María Loureiro, University of Santiago de Compostela
Co-Author(s): Azucena Gracia, Cite, and Rodolfo Nayga, University of Arkansas

BIAS IN CHOICE EXPERIMENTS FOR VALUING ENVIRONMENTAL GOODS AND SERVICES

Katherine Carson
Co-Author(s): Susan Chilton, Newcastle University, UK and W. George Hutchinson, Queen's University, Belfast

HEALTH RISK PERCEPTION, HUNTING SITE CHOICE AND CHRONIC WASTING DISEASE: MODELING THE EFFECT OF RISK ON PREFERENCES AND CHOICE SET FORMATION OVER TIME

Wiktor Adamowicz, University of Alberta
Co-Author(s): Peter Boxall, University of Alberta and Thuy Truong, University of Alberta

INCORRECTLY ACCOUNTING FOR TASTE HETEROGENEITY IN CHOICE EXPERIMENTS. DOES IT REALLY MATTER FOR WELFARE MEASUREMENT?

Catalina Maria Torres Figuerola, UIB - SA NOSTRA
Co-Author(s): Sergio Colombo, Agricultural Economics Department, IFAPA and Nicholas Hanley, University of Stirling

13:30 - 15:00 **URBAN I** **Location:** South Room
Chairperson: Man Li, International Food Policy Research Institute

**EXPLOITING SPATIAL AND TEMPORAL VARIATIONS IN
RESIDENTIAL SUBDIVISION DEVELOPMENT TO IDENTIFY URBAN
GROWTH SPILLOVERS**

Charles Towe, University of Maryland College Park

Co-Author(s): Elena Irwin, The Ohio State University, Allen Klaiber,
Pennsylvania State University, David Newburn, Texas A&M University
and Doug Wrenn, The Ohio State University

**HABITAT MANAGEMENT TO ENHANCE NATURAL PEST CONTROL
ECOSYSTEM SERVICES AT THE LANDSCAPE SCALE: A SPATIAL
LAND USE OPTIMIZATION APPROACH**

Wei Zhang, IFPRI

Co-Author(s): Felix Bianchi, Wageningen University, Aklesso
Egbenewe-Mondzozo, Michigan State University, Scott M. Swinton,
Michigan State University and Wopke van der Werf, Wageningen University

MODELING THE EFFECTS OF OPEN SPACE ON PRIVATE LAND

Katherine Zipp, University of Wisconsin -- Madison

Co-Author(s): David Lewis, University of Puget Sound and Bill
Provencher, University of Wisconsin -- Madison

**UNINTENDED EFFECTS OF URBANIZATION ON LAND-USE
CHANGE IN CHINA: GRASSLAND CONVERSION AND SOIL
CARBON LOSS**

Man Li, International Food Policy Research Institute

Co-Author(s): Xiangzheng Deng, Center for Chinese Agricultural
Policy, Institute of Geographical Sciences and Natural Resources
Research, Chinese Academy of Sciences and JunJie Wu, Department of
Agricultural and Resource Economics, Oregon State University

15:30 - 17:00 PARALLEL SESSION 7

15:30 - 17:00 CLIMATE CHANGE V

Location: East Room

Chairperson: Adam Millard-Ball, Stanford University

**CAN FRAMING SAVE THE CLIMATE? EVIDENCES FROM A
DYNAMIC FIELD EXPERIMENT**

Jorge E. Araña, University of Las Palmas de Gran Canaria (Spain)

Co-Author(s): Carmelo J. Leon, University of Las Palmas de Gran
Canaria (Spain)

**PARTIAL POLICIES FOR GLOBAL EXTERNALITIES: THE
ECONOMICS OF ENVIRONMENTAL REGULATIONS OF LIFECYCLE
EMISSIONS**

Deepak Rajagopal, Univ. of California, Los Angeles

Co-Author(s): David Zilberman, UC Berkeley

**TEMPERATURE FEEDBACKS TO THE CARBON CYCLE IN
CLIMATE-ECONOMY MODELS**

David von Below, IIES, Stockholm University

Co-Author(s): Anders Ahlstrom, Dept of Physical Geography and
Ecosystems Analysis, Lund University

**THE IMPACTS OF AND MOTIVATIONS FOR LOCAL GOVERNMENT
CLIMATE POLICY**

Adam Millard-Ball, Stanford University

15:30 - 17:00 **WATER V** **Location:** James Room

Chairperson: Duncan Knowler, Simon Fraser University

**FREE TO CHOOSE: PROMOTING CONSERVATION BY RELAXING
OUTDOOR WATERING RESTRICTIONS**

Klaus Moeltner, Virginia Tech (starting Dec.26,2010)

Co-Author(s): Anita Castledine, University of Nevada, Reno, Michael
Price, University of Tennessee, Knoxville and Shawn Stoddard, Truckee
Meadows Water Authority

VALUING GREEN INFRASTRUCTURE IN PORTLAND, OREGON

Noelwah Netusil, Reed College, Department of Economics

Co-Author(s): Zach Levin, Reed College, Department of Economics and Vivek
Shandas, Portland State University, School of Urban Studies and Planning

**VALUING PREFERENCES OVER STORMWATER MANAGEMENT
OUTCOMES GIVEN LOSS AVERSION AND HETEROGENEOUS
STATUS QUO**

Catalina Londono, University of Illinois at Urbana-Champaign

Co-Author(s): Amy Ando, University of Illinois

**VALUING THE WATER PURIFICATION/FILTRATION SERVICE OF
TEMPERATE COASTAL RAINFORESTS FOR URBAN AREAS IN
SOUTH-WESTERN BRITISH COLUMBIA, CANADA**

Duncan Knowler, Simon Fraser University

Co-Author(s): Ashley Page, Simon Fraser University

15:30 - 17:00 **INTERNATIONAL ENVIRONMENTAL AGREEMENTS** **Location:** Seneca Room

Chairperson: Derek Kellenberg, University of Montana

**PARTICIPATION GAMES AND INTERNATIONAL ENVIRONMENTAL
AGREEMENTS: A NONPARAMETRIC MODEL**

Leo Simon, U.C. Berkeley

**THE DESIGN OF VOLUNTARY ENVIRONMENTAL AGREEMENTS:
COMPETITION AND INCENTIVES TO PARTICIPATE**

Ahmed Rasha, Trinity College

**A WASTE OF EFFORT? INTERNATIONAL ENVIRONMENTAL
AGREEMENTS AND TRADE**

Derek Kellenberg, University of Montana

Co-Author(s): Arik Levinson, Georgetown University

15:30 - 17:00 **TESTS OF ALTERNATIVE MECHANISMS FOR IMPROVING ENVIRONMENTAL PERFORMANCE** **Location:** West Room
Chairperson: Wayne Gray, Clark University

CAN FACILITIES POLICE THEMSELVES? EVIDENCE ON THE EFFECTIVENESS OF ENVIRONMENTAL AUDITING
Sarah Stafford, William and Mary
Co-Author(s): Mary Evans, Claremont McKenna College and Lirong Liu, Sam Houston State

DO ENVIRONMENTAL REGULATIONS REALLY INCREASE RESOURCE PRODUCTIVITY?: THE CASE OF ELECTRIC UTILITIES
Eun-Hee Kim, The George Washington University

DOES ELECTRONIC REPORTING OF EMISSIONS INFORMATION GENERATE ENVIRONMENTAL BENEFITS?
Ann Wolverton, Environmental Protection Agency
Co-Author(s): Wayne Gray, Clark University and Ron Shadbegian, NCEE, US EPA

THE EFFECTS OF EFFLUENT LIMITS ON WASTEWATER DISCHARGES
Dietrich Earnhart, University of Kansas

15:30 - 17:00 **MODELING RESOURCES AND COMMON PROPERTY** **Location:** Marion Room
Chairperson: Rintaro Yamaguchi, Nomura Research Institute

CAN INCOMPLETE INFORMATION LEAD TO UNDEREXPLOITATION IN THE COMMONS?
Felix Munoz-Garcia, Washington State University
Co-Author(s): Ana Espinola-Arredondo, Washington State University

FORMAL AND INFORMAL ENFORCEMENT OF RENEWABLE RESOURCE USE
Linda Nøstbakken, University of Alberta

OPTIMUM COMMODITY TAXATION WITH A NON-RENEWABLE RESOURCE
Pierre Lasserre, Université du Québec à Montréal
Co-Author(s): Julien Daubanes, Swiss Federal Institute of Technology Zurich

SOCIAL CAPITAL EXTERNALITY, RESOURCE MANAGEMENT, AND GENUINE SAVINGS
Rintaro Yamaguchi, Nomura Research Institute
Co-Author(s): Kazuhiro Ueta, Kyoto University

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| 15:30 - 17:00 | FORESTRY IV Chairperson: Brian Robinson, University of Wisconsin MANAGEMENT, MANDATES OR MONEY? EVALUATING ALTERNATIVE INSTRUMENTS FOR FOREST CONSERVATION Katherine Baylis, University of Illinois Co-Author(s): Jordi Honey-Roses, University of Illinois and M. Isabel Ramirez, UNAM, Morelia OVERCOMING TENURE CONSTRAINTS TO CARBON FORESTRY PROJECTS IN AFRICA Edward Barbier, University of Wyoming Co-Author(s): Antenah Tesfaw, University of Wyoming THE EFFECT OF THE COLLECTIVE FOREST TENURE REFORM IN CHINA ON FORESTATION Peter Berck, University of California at Berkeley Co-Author(s): Lunyu Xie, UC Berkeley and Jintao Xu, Peking Univ. COMPETITION OVER FOREST PRODUCTS AND IMPLICATIONS FOR PROFITS, FOOD SECURITY AND DEVELOPMENT IN SOUTHWEST CHINA Brian Robinson, University of Wisconsin Co-Author(s): David Lewis, University of Puget Sound and William Provencher, University of Wisconsin | Location: Spring Room |
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| 15:30 - 17:00 | TRANSPORT III Chairperson: Josh Linn, Resources for the Future CONSUMER RESPONSES TO GASOLINE PRICES: PERMANENT VERSUS TRANSITORY CHANGES Josh Linn, Resources for the Future Co-Author(s): Shanjun Li, and Erich Muehlegger, DID HIGH GAS PRICES CAUSE THE GREAT RECESSION: THEORY AND EMPIRICAL EVIDENCE ON THE ROLE OF COMMUTE COSTS Steven Sexton, UC Berkeley Co-Author(s): JunJie Wu, Oregon State University and David Zilberman, UC Berkeley THE EFFECT OF GASOLINE PRICES ON THE DEMAND FOR FUEL ECONOMY IN USED VEHICLES: EMPIRICAL EVIDENCE AND POLICY IMPLICATIONS Sarah West, Macalester Co-Author(s): Wei Fan, RVI Group and James Sallee, University of Chicago and NBER | Location: North Room |
|---------------|---|-----------------------------|

WHAT DO CONSUMERS BELIEVE ABOUT FUTURE GASOLINE PRICES?

Soren Anderson, Michigan State University and NBER

Co-Author(s): Ryan Kellogg, University of Michigan and NBER and

James Saltee, University of Chicago and NBER

15:30 - 17:00

**VALUATION II:
CHOICE, LAB, AND FIELD EXPERIMENTS**

Location: Columbia Room

Chairperson: Daniel Petrolia, Mississippi State University

COMPARING RISK PREFERENCES OVER FINANCIAL AND ENVIRONMENTAL LOTTERIES

Mary Riddel, University of Nevada, Las Vegas

RISK AVERSION AND INFORMATION ACQUISITION ACROSS REAL AND HYPOTHETICAL SETTINGS

Matthew Taylor, University of Oregon

USING SUBJECTIVE RISK AND EXPERIMENTAL INFORMATION TO PREDICT FLOOD INSURANCE AND SELF-PROTECTION MEASURES

Daniel Petrolia, Mississippi State University

Co-Author(s): Keith Coble, Mississippi State University and Craig Landry, East Carolina University

15:30 - 17:00

URBAN II

Location: South Room

Chairperson: Ned Stone, Oregon State University

A HEDONIC ANALYSIS OF THE IMPACT OF LUST SITES ON HOUSE PRICES

Dennis Guignet, University of Maryland

Co-Author(s): Jeffrey Zabel, Tufts University

A MULTI-METHOD SPATIAL APPROACH FOR EXPLAINING THE APPEARANCE AND PASSAGE OF OPEN SPACE REFERENDA

Patrick Walsh, US EPA, National Center for Environmental Economics

Co-Author(s): Martin Heintzelman, Clarkson University

DYNAMIC URBAN OPEN SPACE VALUE AND POLICY

Linda Fernandez, University of California, Riverside

Co-Author(s): Bowman Cutter, pomona college, Thomas Scott, University of California and Ritu Sharma, University of California

VOTING WITH YOUR FEET: COMMUNITY CHARACTERISTICS AND RESIDENTIAL CHOICE

Ned Stone, Oregon State University

Co-Author(s): Junjie Wu, Oregon State University



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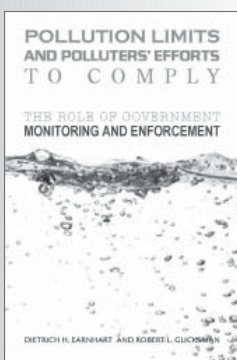
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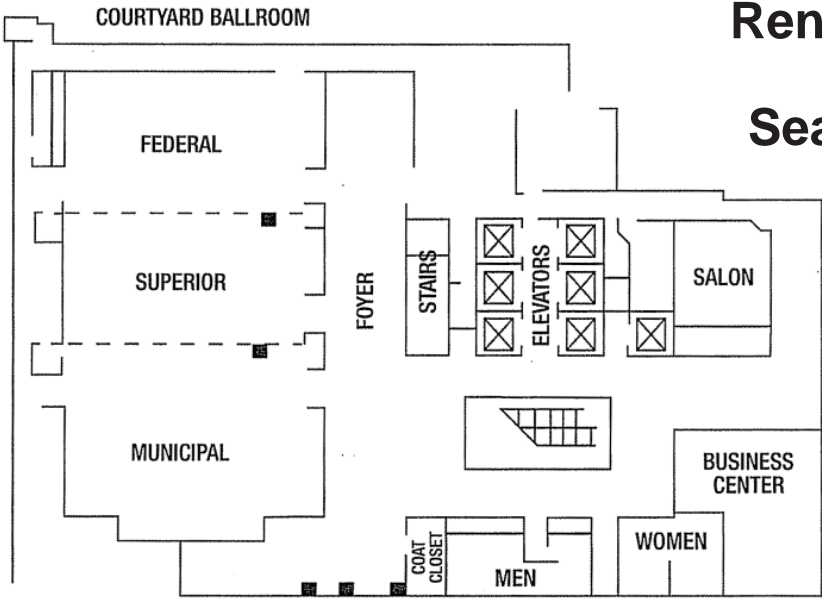
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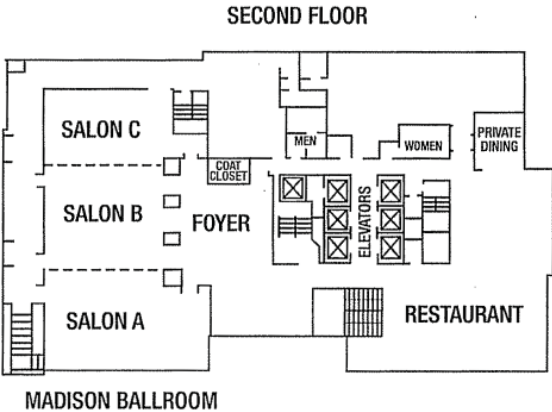
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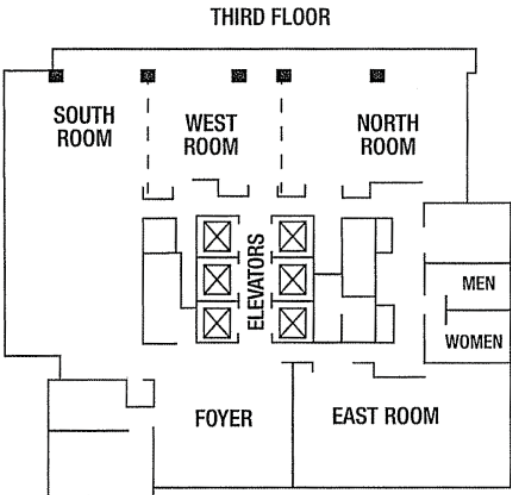
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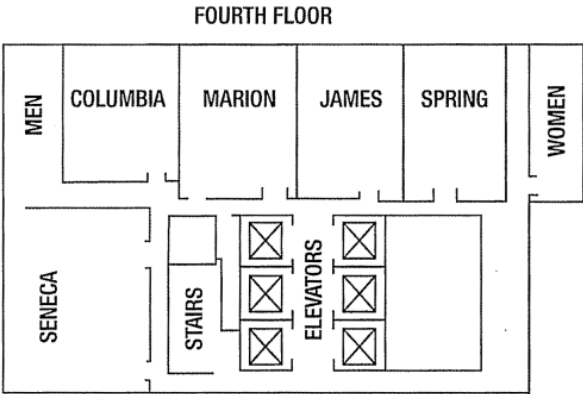
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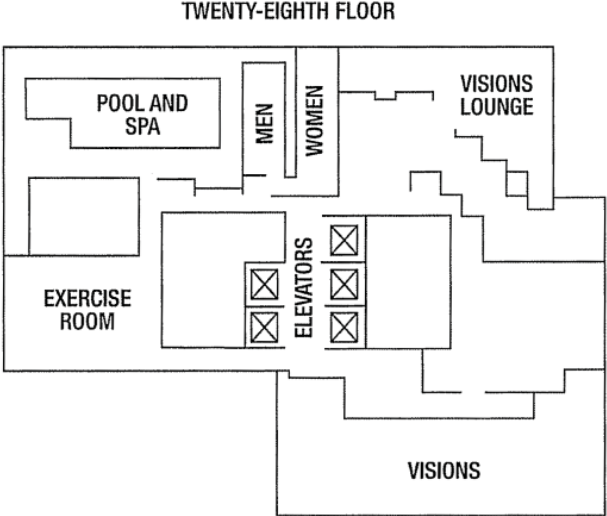
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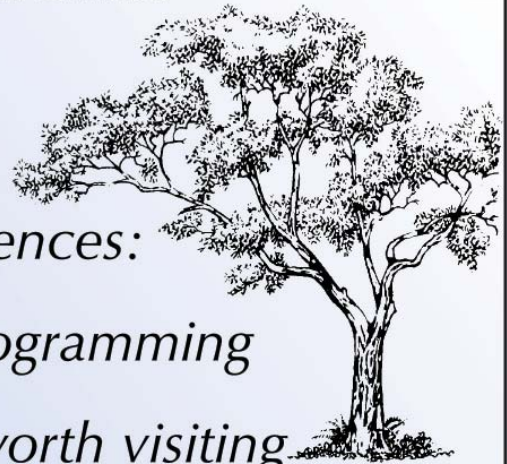
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