

AERE 2012 Asheville

AERE 2nd Annual Summer Conference June 3–5, 2012

Grove Park Inn
Asheville, North Carolina

With sponsored sessions focused on

New Directions in Climate Change Policy and Analysis



Association of Environmental and Resource Economists

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Co-Chair: Don Fullerton, University of Illinois

Co-Chair: Joe Herriges, Iowa State University

Sponsored Sessions Committee Chair: Billy Pizer, Duke University

Graduate Student Feature Sessions and Posters Committee Chair: Antonio Bento, Cornell University



Catherine L. Kling

Welcome to the second annual AERE summer conference in stunning Asheville, North Carolina! Once again we have a lovely venue where we can share the latest research findings, debate the newest theories, engage with both new and longtime members of the profession, and generally have a jolly good time.

I want to express my deep appreciation to our organizing committee, co-chaired by Don Fullerton and Joe Herriges, with support from Antonio Bento and Billy Pizer, who have put together an outstanding program of selected papers, sponsored sessions, and a post-conference workshop. Be sure to thank them for their many hours of effort. Also, be sure to check out the sponsored sessions that target graduate students and junior faculty. Join me in welcoming these fresh faces to our Association and profession. Finally, a huge thank you is owed to the sponsors of our meetings. Without their contributions, our programming would be much more limited. Enjoy!

Catherine L. Kling, President AERE

Research cannot succeed in a vacuum. We researchers want to develop ideas that can enhance human welfare by improved functioning of the economy, the environment, and government policy. But, for these ideas to be robust and successful, they need to undergo trial and error, discussion, criticism, and encouragement. Welcome to these goals for the second annual AERE Summer Conference!

We have tried to span the fields of environmental and resource economics, with some additional focus this year on the topic of “New Directions in Climate Change Policy and Analysis”. Throughout the conference, our selected presentations represent a mix of grandmaster researchers, powerhouse specialists, brand new researchers, and fledgling stars of our profession. We hope all of you will take advantage of each other’s ideas and reactions, while here in beautiful Asheville, North Carolina, before returning home to incorporate their ideas into your own research.



Don Fullerton



Joe Herriges

Organizing this meeting is a lot of work but also rewarding to us. Thank you for the opportunity! However, it would never be possible without countless hours of contributions from others, including Antonio Bento (grad student and poster sessions) and Billy Pizer (sponsored sessions), Susanne Dieper (of VDM), the Board of AERE, Juha Siikamaki (Treasurer), Cathy Kling (President), and especially Marilyn Voigt (Executive Director). Here’s to you, for making it possible!

Yours,

Don Fullerton

Joe Herriges

Co-Chairs of the Second Annual AERE Summer Conference, 2012

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

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The National Oceanic and Atmospheric Administration
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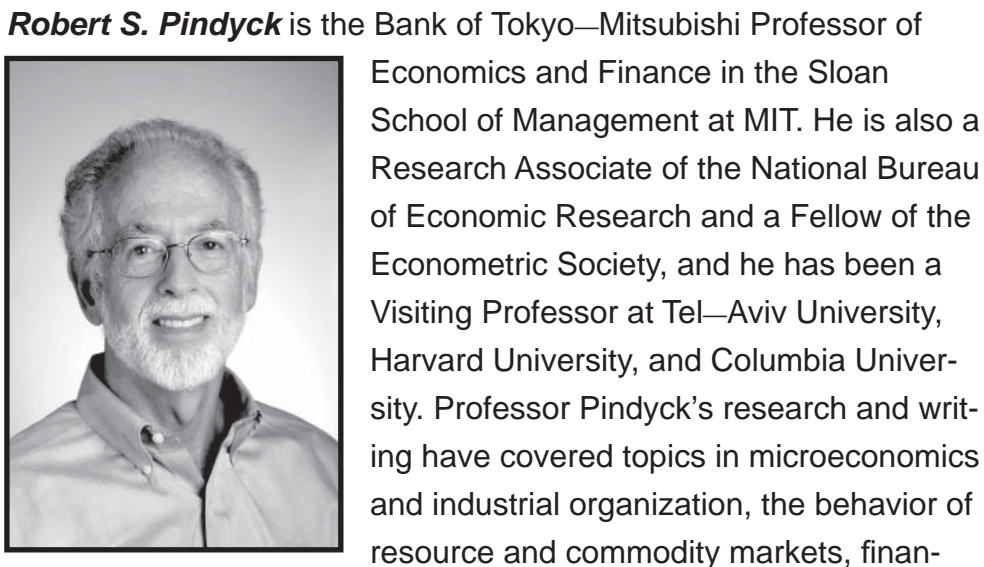


Economic Research Service
U.S. Department of Agriculture



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

Keynote speaker: Robert S. Pindyck



Robert S. Pindyck is the Bank of Tokyo—Mitsubishi Professor of Economics and Finance in the Sloan School of Management at MIT. He is also a Research Associate of the National Bureau of Economic Research and a Fellow of the Econometric Society, and he has been a Visiting Professor at Tel—Aviv University, Harvard University, and Columbia University. Professor Pindyck's research and writing have covered topics in microeconomics and industrial organization, the behavior of resource and commodity markets, financial markets, capital investment decisions, and econometric modeling. His recent work in economics and finance has examined the determinants of market structure and market power, the dynamics of commodity spot and futures markets, criteria for investing in risky projects, the economics of R&D and the value of patents, environmental policy, and the economic and policy implications of global catastrophic events.

KEYNOTE ADDRESS:

Tuesday, June 5

11:00 a.m. - 11:50 a.m.

"THE CLIMATE POLICY DILEMMA"

Location: Grand Ballroom A&B

SCHEDULE AT A GLANCE

Sunday	Time	Taft M	Roosevelt K	Roosevelt L	Hoover J	Hoover H	Coolidge D	Coolidge E	Eisenhower F	Eisenhower G
	5:30-7:30pm	Registration: Skyline & Mountain View Terrace								
	7:30-9:00pm	Dessert/Reception: Skyline & Mountain View Terrace								
Monday	Time	Taft M	Roosevelt K	Roosevelt L	Hoover J	Hoover H	Coolidge D	Coolidge E	Eisenhower F	Eisenhower G
	7:30am-4:00pm	Registration: Grand Ballroom Pre-Function Area								
	7:30-8:30am	Continental Breakfast: Grand Ballroom Pre-Function Area								
	8:30-10:00am	Valuation I: Hedonic	Intemporal Dynamics	Forestry I: Deforestation	Water I	Market Mechanisms	Biofuels I	Energy Conservaton	Climate Policy I: R&D	Sponsored Session I
	10:00-10:30am	Break: Grand Ballroom Pre-Function Area								
	10:30am-noon	Valuation II	Panel Discussion I	Forestry II	Water II	Air Pollution	Biofuels II	Energy Efficiency	Environmental Agreements	Sponsored Session II
	12:00-1:30pm	AERE Journal Panel Discussion (12:15-1:00pm) and Boxed Lunch: Grand Ballroom A&B								
	1:00-1:30pm	Poster Session: Grand Ballroom Pre-Function Area								
	1:45-3:15pm	Valuation III	Land Use	Forestry III	Modeling Resources & Common Property	Organized Session I	Regulating Firms	Electricity	Carbon Offsets	Sponsored Session III
	3:15-3:45pm	Break: Grand Ballroom Pre-Function Area								
Tuesday	Time	Taft M	Roosevelt K	Roosevelt L	Hoover J	Hoover H	Coolidge D	Coolidge E	Eisenhower F	Eisenhower G
	7:30am-3:30pm	Registration: Grand Ballroom Pre-Function Area								
	7:30-9:00am	Continental Breakfast: Grand Ballroom Pre-Function Area								
	9:00-10:30am	Valuation V	Fisheries I	Ecosystem II	Agriculture	Regulatory Enforcement	Shale, Oil, and Gas	Incidence & Distributional Effects	Climate Change I: Weather Events	Graduate Student Session I
	10:30-11:00am	Break: Grand Ballroom Pre-Function Area								
	11:00-11:50pm	Keynote Address: Robert Pindyck - Grand Ballroom A&B								
	11:50-1:10pm	Luncheon and AERE Awards: Grand Ballroom A&B								
	1:10-1:30pm	Break: Grand Ballroom Pre-Function Area								
	1:30-3:00pm	Valuation VI	Fisheries II	Ecosystem III	Human Reactions & Political Economy	Developing Countries	Climate Policy II: Technical Change	Climate Policy III: Integrated Assessment	Uncertainty	Graduate Student Session II
	3:00-3:30pm	Break: Grand Ballroom Pre-Function Area								
Wednesday	Time	Post Conference Workshop								
	7:30-9:00am	Workshop Registration: Grand Ballroom Pre-function area								
	7:30-8:00am	Continental Breakfast for Workshop Participants: Grand Ballroom Pre-function area								
	8:00am-noon	Post-conference Workshop "Climate Change Integrated Assessment Modeling: A Half-day Workshop": Eisenhower FG								

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Tuesday

9:00-10:30	Parallel Session 5	page 23
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11:50-1:10	Luncheon and AERE Awards	page 27
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General Information on all Sessions

All sessions are 90 minutes each. **General Sessions** include four papers presented back-to-back (15-18 minutes each), followed by 20 minutes of audience questions and feedback. Papers should be presented in the order they appear in the program, to allow audience members to move between rooms to see a paper scheduled in a different session. **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. **Poster presenters** will stand by their posters off-and-on during the day, but certainly from 1:00 –1:30pm on Monday to answer questions and discuss their research.

SUNDAY 3 JUNE 2012

05:30 - 07:30 pm	REGISTRATION	Location: Skyline & Mountain View Terrace
07:30-09:00 pm	DESSERT/RECEPTION	Location: Skyline & Mountain View Terrace

MONDAY 4 JUNE 2012

07:30 - 04:00 pm	REGISTRATION	Location: Grand Ballroom Pre-function area
07:30 - 08:30	CONTINENTAL BREAKFAST	Location: Grand Ballroom Pre-function area

08:30 - 10:00 PARALLEL SESSION 1

08:30 - 10:00	VALUATION I: HEDONIC	Location: Taft M
	Chairperson: Charles Towe, University of Maryland	

**VALUING ACCESS TO MULTIPLE WATER SUPPLY
SOURCES IN IRRIGATED AGRICULTURE WITH A
HEDONIC PRICING MODEL**

Monobina Mukherjee, University of California, Riverside
Co-Author(s): Kurt Schwabe, University of California, Riverside

**CONTAMINATED SITES AND INFORMATION IN
HEDONIC MODELS: AN ANALYSIS OF A NEW JERSEY
PROPERTY DISCLOSURE LAW**

Patrick Walsh, US EPA: NCEE

A VALUATION OF RESTORED STREAMS USING REPEAT SALES

Charles Towe, University of Maryland
Co-Author(s): Allen Klaiber, Ohio State University and Joe Maher,
University of Maryland

**AMENITY VALUES OF PROXIMITY TO NATIONAL WILDLIFE
REFUGES—AN ANALYSIS OF URBAN RESIDENTIAL PROPERTY
VALUE IN EAST AND WEST COAST OF THE UNITED STATES**

Xiangping Liu, University of Gothenburg
Co-Author(s): Grigelis Peter, U.S. Department of the Interior,
Office of Policy Analysis, Laura Taylor, North Carolina State University
and Hamilton Timothy, North Carolina State University

08:30 - 10:00	INTERTEMPORAL DYNAMICS	Location: Roosevelt K
	Chairperson: Nicholas Muller, Middlebury College	

**COMMODITY PRICES AND VOLATILITY IN RESPONSE
TO ANTICIPATED CLIMATE CHANGE**

Anh Tran, North Carolina State University
Co-Author(s): David Lobell, Stanford University, Michael Roberts,
North Carolina University, Wolfram Schlenker, Columbia University,
and Jarrod Welch, NBER

**TOWARDS THE MEASUREMENT OF NET ECONOMIC WELFARE:
INTERTEMPORAL ENVIRONMENTAL ACCOUNTING FOR AIR
POLLUTION IN THE US ECONOMY**

Nicholas Muller, Middlebury College

THE DYNAMICS OF ECONOMIC EPIDEMIOLOGY EQUILIBRIA

David Finnoff, University of Wyoming

Co-Author(s): David Aadland, University of Wyoming and Kevin,
X.D. Huang, Vanderbilt University

LONG-TERM ENVIRONMENTAL PROBLEMS AND STRATEGIC INTERGENERATIONAL TRANSFERS

Timo Goeschl, Heidelberg University - Department of Economics

Co-Author(s): Daniel Heyen, Heidelberg University and
Juan Moreno-Cruz, Georgia Tech - School of Economics

08:30 - 10:00

FORESTRY I: DEFORESTATION

Location: Roosevelt L

Chairperson: Juha Siikamaki, Resources for the Future

DEFORESTATION SLOWDOWN IN THE LEGAL AMAZON: PRICES OR POLICIES?

Clarissa Gandour, PUC-Rio and CPI Rio

Co-Author(s): Juliano Assunção, PUC-Rio and CPI Rio and Rudi Rocha, IE-UFRJ

THE IMPLICATIONS OF POVERTY PERSISTENCE FOR REFORESTATION EFFORTS AND DEFORESTATION RATES

Jill Caviglia-Harris, Salisbury University

Co-Author(s): Jamison Douglas, Salisbury University, Katrina Mullan,
University of California, Berkeley and Erin Sills, North Carolina State University

REAL OPTIONS ON ABATEMENT TO NAVIGATE CLIMATE POLICY UNCERTAINTY: AN ASSESSMENT OF THE RISK-HEDGING VALUE OF NEAR TERM REDUCTIONS IN DEFORESTATION EMISSIONS

Alexander Golub, Metroeconomica

Co-Author(s): Ruben Lubowski, Environmental Defense Fund

EVALUATING GLOBAL POTENTIAL FOR REDD PROGRAMS TO PROTECT BIODIVERSITY

Juha Siikamaki, Resources for the Future

Co-Author(s): Stephen Newbold, National Center for Environmental
Economics, US EPA

08:30 - 10:00

WATER I

Location: Hoover J

Chairperson: Kelly Cobourn, Boise State University

EFFICIENCY OF VIABLE GROUNDWATER MANAGEMENT POLICIES

Todd Guilfoos, Binghamton University

Co-Author(s): Neha Khanna, Binghamton University and Jeffrey Peterson,
Kansas State University

IS GROUND WATER PUMPING TO BLAME FOR DECLINING SURFACE WATER FLOWS? AN EMPIRICAL ANALYSIS OF WATER USE EXTERNALITIES IN THE SNAKE PLAIN

Kelly Cobourn, Boise State University

WATER PRICING AND PRIVATE GROUNDWATER WELLS: DO HOUSEHOLDS CIRCUMVENT PUBLIC WATER MANAGEMENT POLICIES BY INVESTING IN PRIVATE GROUNDWATER WELLS?

Mahesh Ramachandran, Clark University

**AVOIDING WATER SHORTAGES: DYNAMIC RAMSEY PRICING
RULE AND ITS WELFARE IMPLICATIONS**

Yigit Saglam, Victoria University of Wellington

08:30 - 10:00

MARKET MECHANISMS

Location: Hoover H

Chairperson: Stephen Holland, UNC-Greensboro

**ENVIRONMENTAL TAX REFORM: PRINCIPLES FROM
THEORY AND PRACTICE TO DATE**

Ian Parry, IMF

Co-Author(s): Dirk Heine, IMF and John Norregaard, IMF

**MARKET DESIGN IN CAP AND TRADE PROGRAMS:
PERMIT VALIDITY AND COMPLIANCE TIMING**

Stephen Holland, UNC-Greensboro

Co-Author(s): Michael Moore, University of Michigan

**PERMIT MARKETS FOR NON-UNIFORMLY MIXED POLLUTION:
TRADING RATIOS VERSUS ZONES**

Andrew Yates, University of Richmond

Co-Author(s): J.R. Rigby, USDA-ARS National Sedimentation

Laboratory, Oxford, MS

**ALLOCATION OF ALLOWANCES AND PARETO EFFICIENCY IN
CAP AND TRADE POLICIES**

Juan Sesmero, Purdue University

Co-Author(s): Karina Schoengold, University of Nebraska Lincoln

08:30 - 10:00

BIOFUELS I

Location: Coolidge D

Chairperson: Ujjayant Chakravorty, University of Alberta

**OPTIMAL BIOFUEL POLICIES IN THE PRESENCE OF
KNOWLEDGE SPILLOVERS**

Xiaoguang Chen, University of Illinois at Urbana-Champaign

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

DOES THE US BIOFUEL MANDATE INCREASE POVERTY IN INDIA?

Ujjayant Chakravorty, University of Alberta

Co-Author(s): Marie-Helene Hubert, University of Rennes and

Beyza Ural Marchand, University of Alberta

**LOCATION MATTERS: EFFECTS OF SUPPLY CHAIN
NETWORK ON COMPARATIVE ADVANTAGE IN BIOFUEL
FEEDSTOCK PRODUCTION, LAND USE AND FOOD PRICES**

Hayri Önal, University of Illinois at Urbana-Champaign

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

**THE NET GLOBAL EFFECTS OF ALTERNATIVE U.S.
BIOFUEL MANDATES**

Brian Murray, Duke

Co-Author(s): Justin Baker, RTI International, Siyi Feng, Texas A&M University,

Bruce McCarl, Texas A&M University, Aline Mosnier, International Institute

for Applied Systems Analysis, Michael Obersteiner, International Institute
for Applied Systems Analysis, Havlik Petr, International Institute for
Applied Systems Analysis, Steven Rose, EPRI, Uwe Schneider,
Hamburg University and Hugo Valin, International Institute for Applied Systems Analysis

08:30 - 10:00

ENERGY CONSERVATION

Location: Coolidge E

Chairperson: Richard Newell, Duke University

**AUTOMATIC BILL PAYMENT AND SALIENCE EFFECTS:
EVIDENCE FROM RESIDENTIAL ELECTRICITY CONSUMPTION**

Steven Sexton, UC Berkeley

THE PERVERSE IMPACT OF CALLING FOR ENERGY CONSERVATION

Scott Holladay, University of Tennessee

Co-Author(s): Michael Price, University of Tennessee and

Marianne Wanamaker, University of Tennessee

**ENERGY EFFICIENCY BEHAVIOR: THE ROLE OF INFORMATION,
CAPITAL COSTS, AND INDIVIDUAL DISCOUNT RATES**

Richard Newell, Duke University

Co-Author(s): Juha Siikamäki, Resources for the Future

**CONSUMPTION BEHAVIOR UNDER INTERMITTENT COST SIGNALS:
EVIDENCE FROM SMART ELECTRICITY METER DATA**

Benjamin Gilbert, University of Wyoming College of Business

Co-Author(s): Josh Graff Zivin, University of California, San Diego

08:30 - 10:00

CLIMATE POLICY I: R&D

Location: Eisenhower F

Chairperson: Ralf Martin, Imperial College Business School, London

**TO LEARN OR TO CHANGE: OPTIMAL R&D INVESTMENTS UNDER
UNCERTAINTIES OF CLIMATE CHANGE**

Ruiqing Miao, Iowa State University

Co-Author(s): Bruce Babcock, Iowa State University and David Hennessy,
Iowa State University

**ENDOGENOUS TECHNICAL CHANGE AND CLIMATE POLICY: EFFECTS
OF RESEARCH AND DEVELOPMENT AND A STOCK OF KNOWLEDGE
IN A GENERAL EQUILIBRIUM FRAMEWORK**

Ramiro Fernando Parrado, FONDAZIONE ENI ENRICO MATTEI (FEEM)

Co-Author(s): Andreas Löschel, Zentrum für Europäische

Wirtschaftsforschung GmbH (ZEW) and Sebastian Voigt, Zentrum für
Europäische Wirtschaftsforschung GmbH (ZEW)

**CARBON MARKETS, CARBON PRICES AND INNOVATION: EVIDENCE
FROM INTERVIEWS WITH MANAGERS**

Ralf Martin, Imperial College Business School, London

Co-Author(s): Mirabelle Muuls, Imperial and Ulrich Wagner, Carlos II
Madrid

08:30 - 10:00

SPONSORED SESSION I: BORDER MEASURES

Location: Eisenhower G

Chairperson: Harrison Fell, Colorado School of Mines

**THE SUBOPTIMAL NATURE OF APPLYING PIGOUVIAN RATES AS
BORDER ADJUSTMENTS**

Daniel Kaffine, Colorado School of Mines

Co-Author(s): Edward Balistreri, Colorado School of Mines and Hidemichi
Yonezawa, Colorado School of Mines

THE STRATEGIC VALUE OF EMBODIED CARBON TARIFFS

Thomas Rutherford, University of Wisconsin - Madison

Co-Author(s): Christoph Boehringer, The Centre for European Economic
Research and Jared Carbone, University of Calgary

10:00 - 10:30

BREAK

Location: Grand Ballroom Pre-function area

10:30 - 12:00

PARALLEL SESSION 2

10:30 - 12:00

VALUATION II: PROPERTY VALUE

Location: Taft M

Chairperson: Corey Lang, University of Rhode Island

**A CASE FOR AMENITY-DRIVEN GROWTH? ESTIMATING
HETEROGENEOUS HOUSEHOLD DEMANDS FOR LAKE AMENITIES
AND INDUSTRIAL DISAMENITIES IN THE GREAT LAKES REGION**

Heather Stephens, The Ohio State University

Co-Author(s): Elena Irwin, The Ohio State University and Allen Klaiber, The
Ohio State University

**USING THE BENEFIT FUNCTION TO VALUE NON-MARKET GOODS: AN
APPLICATION TO OPEN-SPACE CONSERVATION**

Katherine Zipp, University of Wisconsin – Madison

**THE DYNAMICS OF AIR QUALITY CAPITALIZATION AND LOCATIONAL
SORTING IN THE HOUSING MARKET**

Corey Lang, University of Rhode Island

**CLIMATE CHANGE IMPACTS ON U.S. MIGRATION AND HOUSEHOLD
LOCATION CHOICE**

Qin Fan, The Pennsylvania State University

Co-Author(s): Karen Fisher-Vanden, The Pennsylvania State University and
Allen Klaiber, The Ohio State University

10:30 - 12:00

**PANEL DISCUSSION I: VALUATION IN A BUBBLE:
HEDONIC MODELING PRE- AND POST-HOUSING
MARKET COLLAPSE**

Location: Roosevelt K

Chairperson: Lynne Lewis, Bates College

Participants: Kathleen Bell, University of Maine, Kevin Boyle,
Virginia Tech., Jaren Pope, Brigham Young University, Laura Taylor,
North Carolina State University, and Jeff Zabel, Tufts University

10:30 - 12:00

FORESTRY II: LATIN AMERICA

Location: Roosevelt K

Chairperson: Alexander Pfaff, Duke University

PROMOTING CONSERVATION COMPATIBLE LIVELIHOODS: CAUSAL IMPACTS OF AN ICDP IN THE BRAZILIAN AMAZON

Erin Sills, NC State University

Co-Author(s): Simone Bauch, InterAmerican Development Bank and Subhrendu Pattanayak, Duke University

NEGATIVE & POSITIVE LOCAL FOREST SPILLOVERS FROM PROTECTED AREAS: EVIDENCE FROM COSTA RICA AND THE BRAZILIAN AMAZON

Alexander Pfaff, Duke University

Co-Author(s): Diego Herrera, Duke University, Juan Robalino, CATIE and Laura Villalobos, CATIE

TESTING THE IMPACTS OF ENVIRONMENTAL LAW ON LAND-USE DYNAMICS IN THE WESTERN BRAZILIAN AMAZON

Pedro Pires de Matos, NC State University

Co-Author(s): Erin Sills, NC State University

TWO-DIMENSIONAL EVALUATION: THE ENVIRONMENTAL AND SOCIOECONOMIC IMPACTS OF MEXICO'S PAYMENTS FOR HYDROLOGICAL SERVICES PROGRAM

Katharine Sims, Amherst College

Co-Author(s): Jennifer Alix-Garcia, University of Wisconsin- Madison, Elizabeth Shapiro, Duke University and Patricia Yanez-Pagans, University of Wisconsin-Madison

10:30 - 12:00

WATER II

Location: Hoover J

Chairperson: Sheila Olmstead, Resources for the Future

ECONOMIC IMPACT OF AGRICULTURAL DROUGHTS FOR IRRIGATED AGRICULTURE IN CHILE

Guillermo Donoso, Department Agricultural Economics, Pontificia Universidad Católica de Chile

A DYNAMIC REGIONAL MODEL OF IRRIGATED PERENNIAL CROP PRODUCTION

Brad Franklin, UC Riverside

Co-Author(s): Keith Knapp, UC Riverside and Kurt Schwabe, UC Riverside

DAMMING THE COMMONS: INTERNATIONAL COOPERATION AND CONFLICT OVER WATER

Sheila Olmstead, Resources for the Future

Co-Author(s): Hilary Sigman, Rutgers University and Fan Zhang, World Bank

WATER SUPPLY VOLATILITY AND CLIMATE CHANGE: TESING FOR ADAPTATION THROUGH HEDONIC PRICE ANALYSIS

Daniel Brent, University of Washington

10:30 - 12:00

AIR POLLUTION

Location: Hoover H

Chairperson: Garth Heutel, UNC-Greensboro

**REGULATORY STRINGENCY, REGULATORY DISTANCE AND THE
TRANSFER OF NEW ENVIRONMENTALLY SOUND TECHNOLOGIES:
EVIDENCE FROM THE AUTOMOBILE SECTOR**

Antoine Dechezlepretre, London School of Economics

Co-Author(s): Eric Neumayer, London School of Economics and Richard Perkins, London School of Economics

AIR POLLUTION AND PROCYCLICAL MORTALITY

Garth Heutel, UNC-Greensboro

Co-Author(s): Christopher Ruhm, University of Virginia

**SMOG CHECK AND VEHICLE EMISSIONS: TESTING THE “AS GOOD AS
NEW” EFFECT**

Pierre Merel, UC Davis

Co-Author(s): Aaron Smith, UC Davis , Jeffrey Williams, UC Davis and Emily Wimberger, UCE3

**THE AIR POLLUTION DAMAGES FROM OFFSHORE ENERGY
PRODUCTION.**

Nicholas Muller, Middlebury College

10:30 - 12:00

BIOFUELS II

Location: Coolidge D

Chairperson: Ruben Lubowski, Environmental Defense Fund

**THE IMPACT OF BIOFUEL ON FUEL PRICES AND THE ENVIRONMENT
IN A MULTIPRODUCT, NONCOMPETITIVE SET-UP**

Gal Hochman, Rutgers

Co-Author(s): Geoffrey Barrow, University of California Berkeley, Ella Segev, Ben Gurion University and David Zilberman, University of California Berkeley

POLICY SPECIFIC LIFECYCLE EMISSIONS METRICS

Richard Klotz, Cornell University

Co-Author(s): Antonio Bento, Cornell University

**THE DIRECT CARBON IMPACTS OF GLOBAL BIOFUEL CROP
EXPANSION POTENTIAL: AN ECONOMIC AND SPATIAL APPROACH**

Ruben Lubowski, Environmental Defense Fund

Co-Author(s): Jeremy Proville, Environmental Defense Fund (EDF)

**FLEX-FUEL VEHICLES AND THE RETAIL MARKET FOR ETHANOL:
EVIDENCE FROM BRAZIL**

Shaun McRae, University of Michigan

10:30 - 12:00

ENERGY EFFICIENCY

Location: Coolidge E

Chairperson: Kathleen Segerson, University of Connecticut

PRICE PREMIUM FOR GREEN-CERTIFIED HOMES

Howard Chong, Cornell University

**TEMPTATION AS A FACTOR BEHIND THE ENERGY-EFFICIENCY GAP:
SOME EMPIRICAL EVIDENCE**

Tsvetan Tsvetanov, University of Connecticut

Co-Author(s): Kathleen Segerson, University of Connecticut

ARE MANAGEMENT PRACTICES A SOURCE OF ENERGY EFFICIENCY?: EXAMINATION OF THE US EXPERIENCE

Gale Boyd, Duke University, Department of Economics
Co-Author(s): Mark Curtis, Georgia State University

10:30 - 12:00

ENVIRONMENTAL AGREEMENTS

Location: Eisenhower F

Chairperson: Scott Holladay, University of Tennessee

ENFORCING COMPLIANCE WITH ENVIRONMENTAL AGREEMENTS IN THE ABSENCE OF STRONG INSTITUTIONS: AN EXPERIMENTAL ANALYSIS

David McEvoy, Appalachian State University
Co-Author(s): Todd Cherry, Appalachian State University

REGIONAL VARIATION, HOLDOUTS, AND CLIMATE TREATY NEGOTIATIONS

Scott Holladay, University of Tennessee
Co-Author(s): Michael Livermore, New York University

CAN UNITED STATES CONVINCE CHINA TO COMPLY WITH A GLOBAL GREENHOUSE GAS MITIGATION AGREEMENT: A CASE STUDY

Zeynep Irfanoglu, Purdue University
Co-Author(s): Alla Golub, Purdue University and Juan Sesmero, Purdue University

AGREEMENT FORMATION WITH HETEROGENEOUS AGENTS IN INTERNATIONAL PUBLIC GOODS NEGOTIATIONS

Christine Gutekunst, Maastricht University
Co-Author(s): Kaj Thomsson, Maastricht University

10:30 - 12:00

**SPONSORED SESSION II:
ALTERNATIVES/COMPLEMENTS TO FEDERAL
GHG PRICING POLICY**

Location: Eisenhower G

Chairperson: Joshua Linn, Resources for the Future

EVALUATING CLIMATE POLICY PORTFOLIOS IN THE ELECTRICITY SECTOR: THE ROLE OF MULTIPLE MARKET FAILURES

Carolyn Fischer, Resources for the Future
Co-Author(s): Richard Newell, Duke University and Louis Preonas, Resources for the Future

CARBON LEAKAGE FROM SUB-NATIONAL CLIMATE INITIATIVES: A GENERAL-EQUILIBRIUM ANALYSIS FOCUSING ON CALIFORNIA'S CAP-AND-TRADE POLICY

Caron Justin, ETH Zürich
Co-Author(s): Sebastian Rausch, Massachusetts Institute of Technology and Niven Winchester, Massachusetts Institute of Technology

12:00 - 01:30

**AERE JOURNAL PANEL
DISCUSSION (12:15-1:00) AND BOXED LUNCH**

Location: Grand Ballroom A&B

1:00 - 01:30

**POSTER SESSION
AND EXHIBITS**

Location: Grand Ballroom Pre-function area

**ARE AMERICAN STOCKS GREENER THAN EUROPEAN? EVIDENCE
FROM NEWSWEEK'S GLOBAL 500 ENVIRONMENTAL RANKING**

Juan Murguia, Iowa State University

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

**ASSESSING INTERACTIONS BETWEEN URBANIZATION, FOREST
MANAGEMENT, AND CLIMATE POLICY**

Kathleen Bell, University of Maine

Co-Author(s): Darius Adams, Oregon State, Jeff Kline, USFS, and Greg
Latta, Oregon State University

**DOES UNIT-BASED PRICING INCREASE ILLEGAL DUMPING OF
HOUSEHOLD WASTE?**

Takehiro Usui, Soka University, Japan

Co-Author(s): Mitsuko Chikasada, Soka University, Japan

EFFECTS OF INCREASED CORN PRICES ON WATER QUALITY

Nathan Hendricks, Kansas State University

Co-Author(s): Aaron Smith, University of California, Davis and Daniel
Sumner, University of California, Davis

**EVALUATING POLLUTION CONTROL POLICIES USING A FARM-LEVEL
DYNAMIC MODEL**

Jingjing Wang, University of California at Riverside

Co-Author(s): Kenneth Baerenklau, UC Riverside

INTERNATIONAL RECYCLING AGREEMENT

Hide-Fumi Yokoo, University of Tokyo

Co-Author(s): Tomohiro Tasaki, National Institute for Environmental Studies
and Kazuhiro Ueta, Kyoto University

**MARKET EXTENT FOR ETHANOL: AN ANALYSIS USING WEEKLY
PRICE DATA**

Ruth Aisabokhae, Texas A&M University, College Station

**MEASURING ENVIRONMENTAL EFFICIENCY OF SHRIMP FARMS IN
BANGLADESH: A DIRECTIONAL DISTANCE FUNCTION APPROACH**

Hasneen Jahan, The University of Sydney

Co-Author(s): Tihomir Ancev, The University of Sydney

**WHY DO MUNICIPALITIES RECYCLE: USING BAYESIAN PANEL
SPATIAL AUTOREGRESSIVE PROBIT MODEL**

Mitsuko Chikasada, Soka University, Japan

Co-Author(s): Kazuhiko Kakamu, Chiba University and Takehiro Usui, Soka
University, Japan

**ECONOMICS OF CORN RESIDUE FOR ENERGY IN THE IRRIGATED
CORN BELT**

Aaron Cook, Purdue University and Juan Sesmero, Purdue University

DEFORESTATION AND ECONOMIC GROWTH

Patrick Doupe, Australian National University

DYNAMIC VOLUNTARY CONTRIBUTION TO PUBLIC GOODS WITH STOCK ACCUMULATION

J. Cristobal Ruiz-Tagle, Agricultural and Resource Economics, University of Maryland, College Park

01:45 - 03:15

PARALLEL SESSION 3

01:45 - 03:15

VALUATION III: RISK

Location: Taft M

Chairperson: John Whitehead, Appalachian State University

A QUASI-EXPERIMENTAL APPROACH TO IDENTIFYING COMPENSATING WAGE DIFFERENTIALS FOR OCCUPATIONAL RISKS

Jonathan Lee, North Carolina State University

Co-Author(s): Laura Taylor, North Carolina State University

WILLINGNESS-TO-PAY FOR OYSTER CONSUMPTION MORTALITY RISK REDUCTIONS

John Whitehead, Appalachian State University

Co-Author(s): Bill Huth, University of West Florida, Greg Martin, University of Northern Kentucky, Ash Morgan, Appalachian State University and Rich Sjolander, University of West Florida

COMPENSATING WAGES FOR RISK: AN INTERNAL META ANALYSIS

Xingyi Puckett, North Carolina State University

Co-Author(s): Carol Scotton, Knox College and Laura Taylor, North Carolina State University

CAN PROPERTY VALUES CAPTURE CHANGES IN ENVIRONMENTAL HEALTH RISKS? EVIDENCE FROM A STATED PREFERENCE STUDY IN ITALY AND THE UK

Dennis Guignet, US EPA, NCEE

Co-Author(s): Anna Alberini, University of Maryland

01:45 - 03:15

LAND USE

Location: Roosevelt K

Chairperson: Kathy Baylis, University of Illinois

CLIMATE CHANGE AND LAND-USE CHANGE IMPACTS OF AGRICULTURAL ZONING POLICIES IN INDONESIA

Jonah Busch, Conservation International

THE VALUE OF FOREVER WILD: AN ECONOMIC ANALYSIS OF LAND USE AND LAND REGULATION IN THE ADIRONDACK PARK

Martin Heintzelman, Clarkson University

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

WHICH CONSERVES FORESTS? MANDATES, MANAGEMENT OR MONEY

Kathy Baylis, University of Illinois

Co-Author(s): Jordi Honey-Roses, University of Illinois and Isabel Ramirez, UNAM, Morelia

**INTEGRATING VARIABLE OPPORTUNITY COST AND AMENITY VALUES
INTO PRIORITISATION OF ECOLOGICAL RECONSTRUCTION IN A
PRODUCTIVE LANDSCAPE**

Maksym Polyakov, The University of Western Australia

Co-Author(s): David Pannell, Centre for Environmental Economics and
Policy, School of Agricultural and Resource Economics, University of
Western Australia, Geoff Park, North Central Catchment Management
Authority and Anna Roberts, Victoria Department of Primary Industries

01:45 - 03:15

FORESTRY III: SEQUESTRATION

Location: Roosevelt L

Chairperson: Brent Sohngen, The Ohio State University

**EXPLORING TRADE-OFFS BETWEEN CARBON SEQUESTRATION
AND BIODIVERSITY CONSERVATION BENEFITS IN THE FORESTRY
SECTOR: AN APPLICATION FOR THE UK**

Simanti Banerjee, University of Stirling

Co-Author(s): Jonah Busch, Conservation International and Nick Hanley,
University of Stirling

**PRIVATE FOREST LANDOWNERS' RESPONSE TO INCENTIVE FOR
CARBON SEQUESTRATION**

Taeyoung Kim, Department of Agricultural and Resource Economics, Oregon
State University

Co-Author(s): Christian Langpap, Department of Agricultural and Resource
Economics, Oregon State University

**AN ECONOMIC APPROACH TO ASSESS THE FOREST CARBON
IMPLICATIONS OF BIOMASS ENERGY**

Brent Sohngen, The Ohio State University

Co-Author(s): Adam Daigneault, Landcare research and Roger Sedjo,
Resources For the Future

01:45 - 03:15

MODELING RESOURCES AND COMMON PROPERTY

Location: Hoover J

Chairperson: Marc Gronwald, ifo Institute for Economic Research

RACES TO EXTRACT IN OIL AND NATURAL GAS PRODUCTION

Andrew Balthrop, Georgia State University

**INTERNATIONAL COMPETITION IN THE GLOBAL GROUNDWATER
COMMONS**

Todd Guilfoos, Binghamton University

**CYCLES IN NATURAL-RESOURCE COMMODITY PRICES - A
REINVESTIGATION**

Marc Gronwald, ifo Institute for Economic Research

**USING MICRO GENERAL EQUILIBRIUM MODELING TO ACCOUNT FOR
ECONOMIC LINKAGES BETWEEN NATURAL RESOURCE SECTORS
AND THE REST OF THE ECONOMY IN DEVELOPING COUNTRIES**

Dale Manning, UC-Davis Agricultural and Resource Economics

- 01:45 - 03:15 **ORGANIZED SESSION I: ENVIRONMENTAL POLICY:
EMPIRICAL ASSESSMENTS OF ECONOMIC AND
ENVIRONMENTAL OUTCOMES** Location: Hoover H
Chairperson: Wayne Gray, Clark University and NBER
- WHAT AFFECTS THE ENVIRONMENTAL PERFORMANCE OF PIPELINES
IN THE US? AN EMPIRICAL ANALYSIS**
Sarah Stafford, College of William and Mary
- THE TRI AT TWENTY-FIVE: WHAT DOES THE EVIDENCE FROM
PETROLEUM REFINERIES TELL US?**
Linda Bui, Brandeis University
- ENVIRONMENTAL REGULATION AND INVESTMENT**
Ron Shadbegian, U.S. E.P.A., NCEE
Co-Author(s): Wayne Gray, Clark University and NBER
- THE EFFECT OF ENVIRONMENTAL REGULATION ON EMPLOYMENT:
DOES FLEXIBILITY MATTER?**
Ann Wolverton, U.S. EPA, NCEE
Co-Author(s): Ann Ferris, EPA and Ron Shadbegian, EPA
- 01:45 - 03:15 **REGULATING FIRMS** Location: Coolidge D
Chairperson: Dallas Burtraw, Resources for the Future
- REGULATING GREENHOUSE GASES FROM COAL POWER PLANTS
UNDER THE CLEAN AIR ACT**
Dallas Burtraw, Resources for the Future and Joshua Linn, Resources for the Future
Co-Author(s): Karen Palmer, Resources for the Future, Anthony Paul, Resources for the Future and Matt Woerman, Resources for the Future
- NUCLEAR ECONOMICS: PLACEMENT DECISIONS AND VALUATION OF
AMENITIES**
Skylar Olsen, University of Washington, Seattle
Co-Author(s): Hendrik Wolff, University of Washington
- AGGLOMERATION, ENVIRONMENTAL REGULATION AND FIRMS
LOCATION DECISIONS**
Caiwen Wu, Oregon State University
Co-Author(s): JunJie Wu, Oregon State University
- DOES MANDATING PLANTS' DISCLOSURE OF EMISSIONS INTO THE
ENVIRONMENT RAISE OR REDUCE WORKERS' CHEMICAL EXPOSURE
WITHIN PLANTS?**
Shanti Gamper-Rabindran, University of Pittsburgh
Co-Author(s): Stephen Finger, University of South Carolina
- 01:45 - 03:15 **ELECTRICITY** Location: Coolidge E
Chairperson: Josh Linn, Resources for the Future
- RENEWABLE ELECTRICITY POLICIES, INTERMITTENCY, AND LONG-
RUN COST EFFECTIVENESS**
Josh Linn, Resources for the Future

IMPACTS OF ELECTRICITY RESTRUCTURING ON COAL-FIRED POWER PLANTS

Harrison Fell, Colorado School of Mines

Co-Author(s): Ron Chan, University of Maryland, Ian Lange, University of Stirling and Shanjun Li, Cornell University

THE ECONOMICS OF BULK STORAGE WITH INTERMITTENT RENEWABLES

Kevin Novan, University of California, San Diego

Co-Author(s): Richard Carson, University of California, San Diego

ON THE DESIGN OF A CLEAN ENERGY STANDARD WITH STATE-LEVEL DISTRIBUTIONAL CONSTRAINTS

Teevrat Garg, Cornell University

Co-Author(s): Antonio Bento, Cornell University, and Daniel Kaffine, Colorado School of Mines

01:45 - 03:15

CARBON OFFSETS

Location: Eisenhower F

Chairperson: John Horowitz, USDA/ERS

CONTRACT AND MARKET DESIGN FOR LAND-BASED CARBON OFFSETS

Paulina Oliva, University of California, Santa Barbara

Co-Author(s): Samuel Bell, Cornell University, Kelsey Jack, Tufts University and Elizabeth Walker, Harvard

THE BASELINE APPROACH FOR ENVIRONMENTAL PAYMENTS WITH AN APPLICATION TO GREENHOUSE GAS OFFSETS ON WHEAT

John Horowitz, USDA/ERS

DESIGNING EFFICIENT MARKETS FOR CARBON OFFSETS WITH DISTRIBUTIONAL CONSTRAINTS

Benjamin Leard, Cornell University

Co-Author(s): Antonio Bento, Cornell University and Ravi Kanbur, Cornell University

SIMULATION APPROACH TO MODELING THE EUA-CER PRICE SPREAD

Jongmin Yu, University of Illinois at Urbana Champaign

Co-Author(s): Mindy L. Mallory, University of Illinois at Urbana Champaign

01:45 - 03:15

SPONSORED SESSION III: CARBON TAX ISSUES

Location: Eisenhower G

Chairperson: Ian Parry, IMF

ENVIRONMENTAL POLICY IN THE PRESENCE OF AN INFORMAL SECTOR

Antung Liu, UC San Diego

Co-Author(s): Antonio Bento, Cornell University and Mark Jacobsen, UC San Diego

CARBON TAXES AND DEFICIT REDUCTION

Roberton Williams, University of Maryland, RFF, and NBER

Co-Author(s): Jared Carbone, University of Calgary and Resources for the Future and Richard Morgenstern, Resources for the Future

03:15 - 03:45 **BREAK**

Location: Grand Ballroom Pre-function area

03:45 - 05:15 **PARALLEL SESSION 4**

03:45 - 05:15 **VALUATION IV: ECOSYSTEM**

Location: Taft M

Chairperson: Robert Johnston, Clark University

**DISENTANGLING INTERMEDIATE AND FINAL OUTCOMES
OF AQUATIC ECOSYSTEM RESTORATION: IMPLICATIONS FOR
STATED PREFERENCE WELFARE ESTIMATION**

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

**DEVELOPMENT AND USE OF STATED PREFERENCE
SURVEYS WITHIN REGULATORY RULEMAKING: ESTIMATION OF
BENEFITS WITHIN SECTION 316(B) OF THE CLEAN WATER ACT**

Elena Besedin, Abt Associates

Co-Author(s): Erik Helm, U.S. Environmental Protection Agency, Office of Water, Robert Johnston, Department of Economics, Clark University and Ryan Stapler, Abt Associates Inc.

IMPLICIT PRICES OF HABITAT CONSERVATION EASEMENTS

Chad Lawley, University of Manitoba

Co-Author(s): Charles Towe, University of Maryland

03:45 - 05:15 **RECREATION MODELING**

Location: Roosevelt K

Chairperson: Roger von Haefen, North Carolina State University

**HANDLING EXCESS ZEROS IN COUNT MODELS FOR RECREATION
DEMAND ANALYSIS WITHOUT APOLOGY**

Adan L. Martinez-Cruz, AREC, UMD, College Park

**COMBINING REVEALED PREFERENCE DATA WITH STATED
PREFERENCE DATA : A LATENT CLASS APPROACH**

Hocheol Jeon, Iowa State University

**THE INCOME ELASTICITY OF ENVIRONMENTAL BENEFITS:
AN APPLICATION TO RECREATIONAL FISHING ALONG THE US
ATLANTIC COAST, 2000-2010**

Roger von Haefen, North Carolina State University

**ESTIMATING WELFARE MEASURE OF RECREATION SITE CONDITION
THROUGH CHANGES IN TIME INVESTMENT: A MULTIPLE DISCRETE-
CONTINUOUS EXTREME VALUE CHOICE MODEL**

Takahiro Tsuge, Konan University

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

03:45 - 05:15

FORESTRY IV: MANAGEMENT

Location: Roosevelt L

Chairperson: Kathleen Bell, University of Maine

**IMPACT OF RISK AND TIME PREFERENCES ON RESPONSES TO
FOREST LAND TENURE REFORM: EMPIRICAL EVIDENCE FROM
FUJIAN, CHINA**

Emi Uchida, University of Rhode Island

Co-Author(s): Karen Sullivan, Hamilton College and Jintao Xu,
Peking University

**THE CONTRIBUTION OF FOREST MANAGEMENT TO GREENHOUSE
GAS EMISSIONS IN THE 20TH CENTURY**

Brent Sohngen, The Ohio State University

Co-Author(s): Robert Mendelsohn, Yale University

**SALVAGE HARVESTING FOLLOWING NATURAL FOREST
DISTURBANCE: THE IMPORTANCE OF DISTURBANCE
CHARACTERISTICS IN GAUGING MANAGEMENT RESPONSE**

Charles Sims, Utah State University

**MATCH POINT: EMPIRICAL EVIDENCE FROM FOREST CONSERVATION
LAW ENFORCEMENT IN THE BRAZILIAN AMAZON**

Jorge Hargrave Gonçalves da Silva

IPEA - Instituto de Pesquisa Econômica Aplicada

Co-Authors: Jan Boerner, CIFOR Center for International Forestry Research,
Konstantin König, ICRAF – World Agroforestry Center, Krisztina Kis-Katos,
University of Freiburg.

03:45 - 05:15

ECOSYSTEMS I

Location: Hoover J

Chairperson: David Aadland, University of Wyoming

**ROBUST CONTROL OF PREDATOR-PREY-HUNTING SYSTEMS AMIDST
STOCK AND FLOW BENEFITS, WITH AN APPLICATION TO WOLF-ELK
DYNAMICS IN THE US MOUNTAIN WEST**

Jeffrey Wagner, RIT Department of Economics

Co-Author(s): Juan Cockburn, RIT Department of Computer Engineering and
Kevin Macksamie, RIT Department of Computer Engineering

**GIMME SHELTER: USING PREDATOR EXCLOSURES AND PREDATOR
REMOVAL TO MANAGE EXCESSIVE PREDATION**

Richard Horan, Michigan State University

Co-Author(s): Melstrom Richard, Michigan State University

**SPATIAL DYNAMICS OF OPTIMAL MANAGEMENT IN A PREDATOR-
PREY SYSTEM: AN APPLICATION TO MOUNTAIN PINE BEETLE
EPIDEMICS**

David Aadland, University of Wyoming

Co-Author(s): David Finnoff, University of Wyoming and Charles Sims,
Utah State University

BIOECONOMICS OF MANAGED RELOCATION

David Kling, Department of Agricultural & Resource Economics, University of California, Davis

Co-Author(s): James Sanchirico, Department of Environmental Science and Policy, University of California, Davis and James Wilen, Department of Agricultural & Resource Economics, University of California, Davis

03:45 - 05:15

**ORGANIZED SESSION II:
THE EFFECTIVENESS OF ENVIRONMENTAL
REGULATION: MONITORING AND ENFORCEMENT**

Location: Hoover H

Chairperson: Ron Shadbegian, EPA

**THE ACCURACY OF SELF-REPORTED POLLUTION DATA: EVIDENCE
FROM THE CLEAN WATER ACT**

Jay Shimshack, Tulane University

Co-Author(s): Lopamudra Chakraborti, Tulane University Murphy Institute

HOW PREDICTABLE ARE ENVIRONMENTAL INSPECTIONS?

Sarah Stafford, College of William and Mary

**CORPORATE RESTRUCTURING AND ENVIRONMENTAL COMPLIANCE
AT PAPER MILLS**

Wayne Gray, Clark University

**CHANGES IN EFFECTIVENESS OF ENVIRONMENTAL REGULATION
OVER TIME**

Wang Jin, Clark University

03:45 - 05:15

POLLUTION TRADING

Location: Coolidge D

Chairperson: David A. Evans, National Center for Environmental Economics, USEPA

**AN OPTIMAL SAFETY VALVE FOR EMISSION TRADING IN A MULTI-
COMPLIANCE PERIOD MODEL**

Jongmin Yu, University of Illinois at Urbana Champaign

Co-Author(s): Mindy L. Mallory, University of Illinois at Urbana Champaign

**WHAT CAN WE LEARN FROM THE END OF THE GRAND POLICY
EXPERIMENT? THE COLLAPSE OF THE NATIONAL SO₂ TRADING
PROGRAM AND IMPLICATIONS FOR TRADABLE PERMITS AS A
POLICY INSTRUMENT**

David A. Evans, National Center for Environmental Economics, USEPA

Co-Author(s): Richard Woodward, Department of Agricultural Economics, Texas A&M University

**THE CONSEQUENCES OF SUBCATEGORIZATION IN A GREENHOUSE
GAS TRADABLE PERFORMANCE STANDARD POLICY**

David A. Evans, National Center for Environmental Economics, USEPA

Co-Author(s): Dallas Burtraw, Resources for the Future, Alex Marten, National Center for Environmental Economics, USEPA and Matt Woerman, Resources for the Future

**REVERSING THE PROPERTY RIGHTS: A PRACTICE-BASED TRADING
APPROACH FOR CONTROLLING AGRICULTURAL NONPOINT-SOURCE
WATER POLLUTION**

Adriana Valcu, Iowa State University
Co-Author(s): Catherine Kling, Iowa State University and Sergey
Rabotyagov, School of Forest Resources-University of Washington

03:45 - 05:15

TRANSPORT FUEL

Location: Coolidge E

Chairperson: Kenneth Gillingham, Yale University

**RAISING RIVALS' COSTS VIA CALIFORNIA'S ENVIRONMENTAL
REGULATIONS: EFFECTS IN THE RETAIL MARKET**

Jennifer Brown, Eastern Connecticut State University

**HOV STICKERS AND THE CONSUMER ADOPTION OF HYBRIDS:
EVIDENCE FROM CALIFORNIA**

Kenneth Gillingham, Yale University
Co-Author(s): Calanit Kamala, UC Berkeley

**PRODUCT RATINGS IN A SECOND-BEST WORLD: THE OPTIMAL
SELECTION OF EMISSION FACTORS IN LOW-CARBON FUEL
STANDARDS**

Derek Lemoine, University of Arizona

03:45 - 05:15

TRANSPORT VEHICLES

Location: Eisenhower F

Chairperson: Michael Anderson, UC Berkeley

**DOES THE SUBSTITUTABILITY OF PUBLIC TRANSIT AFFECT
COMMUTERS' RESPONSE TO GASOLINE PRICE CHANGES?**

Beia Spiller, Resources for the Future
Co-Author(s): Heather Stephens, Ohio State University and Christopher
Timmins, Duke University

**STUCK IN TRAFFIC: THE IMPACTS OF PUBLIC TRANSIT ON HIGHWAY
CONGESTION**

Michael Anderson, UC Berkeley

**ESTIMATING CARBON DIOXIDE ABATEMENT COSTS FROM NEW
PASSENGER VEHICLES IN EUROPE: EVIDENCE FROM RECENT TAX
REFORMS**

Josh Linn, Resources for the Future
Co-Author(s): Thomas Klier, Federal Reserve Bank of Chicago

**DO CARPOOL LANES REDUCE VEHICLE EMISSIONS? EMPIRICAL
EVIDENCE FROM CALIFORNIA**

Steven Sexton, UC Berkeley

03:45 - 05:15

SPONSORED SESSION IV: UNCERTAINTY

Location: Eisenhower G

Chairperson: Roberton Williams, University of Maryland, RFF, and NBER

CLIMATE CHANGE IMPACTS AND AMBIGUITY

Emanuele Massetti, Yale University and Fondazione Eni Enrico Mattei
Co-Author(s): Stergios Athanassoglou, Fondazione Eni Enrico Mattei and
Euro-Mediterranean Center for Climate Change

**LEARNING, GROWTH AND CLIMATE FEEDBACKS DOES THE FAT TAIL
WAG THE DOG?**

David Kelly, University of Miami

Co-Author(s): Zhuo Tan, University of Miami

TUESDAY 5 JUNE 2012

07:30 - 03:30 REGISTRATION Location: Grand Ballroom Pre-function area

07:30 - 09:00 CONTINENTAL BREAKFAST Location: Grand Ballroom Pre-function area

09:00 - 10:30 PARALLEL SESSION 5

09:00 - 10:30 **VALUATION V** Location: Taft M
Chairperson: Katherine Silz Carson, U.S. Air Force Academy

**CAPTURING PREFERENCES UNDER INCOMPLETE SCENARIOS USING
ELICITED CHOICE PROBABILITIES**

Joseph Herriges, Iowa State University

Co-Author(s): Subhra Bhattacharjee, United Nations and Catherine Kling,
Iowa State University

CONSEQUENTIALITY EFFECTS IN A MULTINOMIAL CHOICE SURVEY

Daniel Petrolia, Mississippi State University

Co-Author(s): Matthew Interis, Mississippi State University

VALUATION UNDER FUZZY PREFERENCES

Katherine Silz Carson, U.S. Air Force Academy

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

**MODELLING NON-COMPENSATORY PREFERENCES IN
ENVIRONMENTAL VALUATION**

Thuy Truong, University of Alberta

Co-Author(s): Vic Adamowicz, University of Alberta and Peter Boxall,
University of Alberta

09:00 - 10:30 **FISHERIES I** Location: Roosevelt K
Chairperson: Quinn Weninger, Iowa State University

**CALIBRATION AND ECONOMIC PERFORMANCE: EVIDENCE FROM
THE LAST TRUE HUNTERS**

Quinn Weninger, Iowa State University

**THE EFFECT OF FISHERIES MANAGEMENT ON INFORMATION
SHARING NETWORKS AND SOCIAL CAPITAL**

Gabriel Dunham, University of Rhode Island

Co-Author(s): Hirotugu Uchida, University of Rhode Island and Emi Uchida,
University of Rhode Island

IS THE FISHERIES PRODUCTION FUNCTION INSTITUTION-DEPENDENT? IMPLICATIONS FOR TARGETING ABILITY IN MULTISPECIES FISHERIES

Matthew Reimer, University of California, Davis
Co-Author(s): Joshua Abbott, School of Sustainability, Arizona State University, Alan Haynie, Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center, National Marine Fisheries Service and James Wilen, University of California, Davis

LABOR SUPPLY OF FISHERMEN: AN EMPIRICAL ANALYSIS

Tess Stafford, University of New South Wales

09:00 - 10:30

ECOSYSTEMS II

Location: Roosevelt L

Chairperson: Eli Fenichel, Arizona State University

THE EFFECTS OF OPEN-SPACE CONSERVATION ON ECOSYSTEMS: AN APPLICATION OF A JOINT ECOLOGICAL-ECONOMIC MODEL

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

ECONOMICS OF CONTROLLING INVASIVE SPECIES: OPTIMAL CONTROL AND STABILITY OF ECOLOGICAL-ECONOMIC SYSTEM

Morteza Chalak, Centre for Environmental Economics and Policy, University of Western Australia
Co-Author(s): Lia Hemerik, Wageningen University , Arjan Ruijs, Wageningen University , Wopke van der Werf , Wageningen University and Ekko. C. van Ierland, Wageningen University

ECONOMICS OF BIOLOGICAL INVASION AND INVASIVE PLANT MANAGEMENT IN RANGE LANDS: A CASE STUDY OF HOUND'S TONGUE (CYNOGLOSSUM OFFICINALE) IN BRITISH COLUMBIA

Rupananda Widanage, School of Resource & Environmental Management, Simon Fraser University
Co-Author(s): Duncan Knowler, School of Resource and Environmental Management, Simon Fraser University

THE MICROECONOMIC ORIGINS OF SPATIAL EXTERNALITIES AND A STARTING POINT FOR MARKET-BASED CONTROL OF INVASIVE SPECIES

Eli Fenichel, Arizona State University
Co-Author(s): Timothy Richards, Arizona State University and David Shanafelt, Arizona State University

09:00 - 10:30

AGRICULTURE

Location: Hoover J

Chairperson: Richard Horan, Michigan State University

DO FARMERS HAVE HETEROGENEOUS PREFERENCES FOR THE ENVIRONMENT AND DOES IT MATTER? A LATENT-CLASS APPROACH TO CROP CHOICE AND MANAGEMENT PRACTICES

Avishek Konar, The Ohio State University

Co-Author(s): Elena Irwin, The Ohio State University and Brian Roe, The Ohio State University

MARKET-DRIVEN LIVESTOCK DISEASE DYNAMICS

Richard Horan, Michigan State University

Co-Author(s): Eli Fenichel, Arizona State University and Christopher Wolf, Michigan State University

MOISTURE AND HEAT INTERACTIONS IN YIELD RESPONSE MODELS

Ariel Ortiz-Bobea, University of Maryland

THE EFFECTS OF CARBON PRICING IN THE PRESENCE OF OTHER POLICY DISTORTIONS: THE DAIRY INDUSTRY IN CALIFORNIA

Wei Zhang, University of California Davis

Co-Author(s): Julian Alston, University of California Davis

09:00 - 10:30

REGULATORY ENFORCEMENT

Location: Hoover H

Chairperson: Christian Langpap, Oregon State University

TARGETING FOR ENFORCEMENT: MANDATORY POLLUTION PREVENTION (P2) PLANNING UNDER THE CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) OF 1990

Donna Ramirez Harrington, University of Vermont

UNRAVELING DETERRENCE EFFECTS OF REGULATORY ACTIVITIES UNDER THE CLEAN WATER ACT

Taro Mieno, University of Illinois at Urbana Champaign

Co-Author(s): Nicholas Brozovic, University of Illinois at Urbana-Champaign

VOLUNTARY AGREEMENTS AND PRIVATE ENFORCEMENT OF ENVIRONMENTAL REGULATION

Christian Langpap, Oregon State University

THE EFFECT OF AUDIT ON THE EXTENT OF COMPLIANCE TO WATER DISCHARGE LIMITS

Donna Ramirez Harrington, University of Vermont

Co-Author(s): Dietrich Earnhart, Department of Economics, University of Kansas

09:00 - 10:30

SHALE, OIL, AND GAS

Location: Coolidge D

Chairperson: Allen Klaiber, The Ohio State University

MEASURING THE ECONOMIC IMPACT OF SHALE OIL EXPLORATION ON HOUSING VALUE IN PENNSYLVANIA

Allen Klaiber, The Ohio State University

Co-Author(s): Sathya Gopalakrishnan, The Ohio State University

WATER QUALITY IN GASLAND: AN ANALYSIS OF THE IMPACTS OF SHALE GAS DEVELOPMENT

Sheila Olmstead, Resources for the Future

Co-Author(s): Jessica Chu, Resources for the Future, Alan Krupnick, Resources for the Future, Lucija Muehlenbachs, Resources for the Future and Jhih-Shyang Shih, Resources for the Future

THE DRILL AND THE BILL: SHALE GAS DEVELOPMENT AND PROPERTY VALUES

Elisheba Spiller, Resources for the Future

Co-Author(s): Lucija Muehlenbachs, Resources for the Future and Christopher Timmins, Duke University

BUBBLES IN OIL PRICES - EVIDENCE AND IMPLICATIONS

Marc Gronwald, ifo Institute for Economic Research

09:00 - 10:30

INCIDENCE AND DISTRIBUTIONAL EFFECTS

Location: Coolidge E

Chairperson: David Kelly, University of Miami

MARKET-BASED INSTRUMENTS FOR INTERNATIONAL AVIATION AND SHIPPING AS A SOURCE OF CLIMATE FINANCE

Ian Parry, IMF

Co-Author(s): Michael Keen, IMF and Jon Strand, World Bank

INCIDENCE AND ENVIRONMENTAL EFFECTS OF DISTORTIONARY SUBSIDIES

Garth Heutel, UNC-Greensboro

Co-Author(s): David Kelly, University of Miami

DISTRIBUTIONAL IMPACT ANALYSIS OF THE ENERGY PRICE REFORM IN TURKEY

Fan Zhang, World Bank

SHOULD IT STAY OR SHOULD IT GO? EVALUATING LIHEAP PARTICIPATION ON HOUSEHOLD ENERGY INSECURITY

Anthony Murray, Virginia Tech

Co-Author(s): Bradford Mills, Virginia Tech

09:00 - 10:30

CLIMATE CHANGE I: WEATHER EVENTS

Location: Eisenhower F

Chairperson: Erik Nelson, Bowdoin College

CLIMATE VS WEATHER: A NATURAL EXPERIMENT

Jarrold Welch, NBER

THE ECONOMIC AND FISCAL IMPACTS OF EXTREME WEATHER EVENTS: EVIDENCE FROM BRAZIL

Sebastian Miller, Inter American Development Bank

Co-Author(s): Paulo Bastos, Inter American Development Bank and Matias Busso, Inter American Development Bank

ESTIMATING THE IMPACT OF CLIMATE CHANGE, EXTREME WEATHER, AND SOIL QUALITY ON GLOBAL CROP PRODUCTION

Erik Nelson, Bowdoin College

Co-Author(s): Jae Bradley, Bowdoin College

THE EFFECTS OF ADAPTATION MEASURES ON HURRICANE INDUCED PROPERTY LOSSES

Meri Davlasheridze, Department of Agricultural Economics and Rural Sociology, The Pennsylvania State University
Co-Author(s): Karen Fisher-Vanden, The Pennsylvania State University and Allen Klaiber, The Ohio State University

09:00 - 10:30

**GRADUATE STUDENT SESSION I:
ENERGY AND CLIMATE**

Chairperson: Antonio Bento, Cornell University

Location: Eisenhower G

ENERGY CODES AND THE LANDLORD-TENANT PROBLEM

Maya Papineau, UC Berkeley

A MODEL OF AUTOMOBILE SUPPLY WITH ENDOGENOUS PRODUCT CHARACTERISTICS: COMPARING CAFE STANDARDS AND FEEBATES

Kevin Roth, Cornell University

ETHANOL AND ENERGY SECURITY

Peter Maniloff, Duke University

10:30 - 11:00

BREAK

Location: Grand Ballroom Pre-function area

11:00 - 11:50

**KEYNOTE ADDRESS: ROBERT PINDYCK, MIT
"THE CLIMATE POLICY DILEMMA"**

Location: Grand Ballroom A&B

11:50 - 01:10

LUNCHEON AND AERE AWARDS

Location: Grand Ballroom A&B

01:10 - 01:30

BREAK

Location: Grand Ballroom Pre-function area

01:30 - 03:00

PARALLEL SESSION 6

01:30 - 03:00

VALUATION VI

Chairperson: Patricia Champ, US Forest Service,
Rocky Mountain Research Station

Location: Taft M

IS IGNORANCE BLISS? WILDFIRE RISK PERCEPTIONS AND RISK-MITIGATION BEHAVIORS

Patricia Champ, US Forest Service, Rocky Mountain Research Station
Co-Author(s): Chris Barth, Montrose Interagency Fire Management Unit and Geoffrey Donovan, US Forest Service, Pacific Northwest Research Station

TESTING WHETHER MARGINAL VALUES OF ATTRIBUTES ARE STABLE ACROSS CVM AND CHOICE EXPERIMENTS DESIGNS

John Loomis, Colorado State University
Co-Author(s): Luis Santiago, Graduate School of Planning, University of Puerto Rico

**THE INFLUENCE OF INDIVIDUALS IN FORMING COLLECTIVE
HOUSEHOLD PREFERENCES FOR WATER QUALITY**

Riccardo Scarpa, The University of Waikato

Co-Author(s): Campbell Rungie, University of South Australia and Mara
Thiene, University of Padua

**THE ROLE OF PERSONAL EXPERIENCE ON CHOICE-BASED
PREFERENCES FOR WILDFIRE PROTECTION PROGRAMS**

Thomas Holmes, USDA Forest Service

Co-Author(s): Armando Gonzalez-Caban, USDA Forest Service,
Sanchez Jose, USDA Forest Service and John Loomis, Colorado State
University

01:30 - 03:00

FISHERIES II

Location: Roosevelt K

Chairperson: Stephen Polasky, University of Minnesota

THE ROLE OF CAPACITY REGULATIONS IN COMPLIANCE

Lazkano Itziar, University of Wisconsin-Milwaukee

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

AN ECONOMIC MODEL OF A GENETICALLY SUSTAINABLE FISHERY

David Dixon, University of New Mexico

Co-Author(s): Thomas Turner, University of New Mexico

RESOURCE PRICES AND ECOLOGICAL REGIME SHIFTS

Atle Oglend, University of Stavanger

Co-Author(s): Frank Asche, University of Stavanger, Lori Benneer, Duke
University and Martin Smith

**A GENERAL MODEL OF OPTIMAL MANAGEMENT UNDER POTENTIAL
REGIME SHIFT**

Stephen Polasky, University of Minnesota

Co-Author(s): Bijie Ren, University of Minnesota

01:30 - 03:00

ECOSYSTEMS III

Location: Roosevelt L

Chairperson: Vic Adamowicz, University of Alberta

**OPTIMAL PORTFOLIO DESIGN TO REDUCE CLIMATE RELATED
CONSERVATION UNCERTAINTY: THE CASE OF WETLAND HABITAT IN
THE PRAIRIE POTHOLE REGION**

Amy Ando, University of Illinois at Urbana-Champaign

Co-Author(s): Mindy Mallory, University of Illinois at Urbana-Champaign

POACHING AND THE DYNAMICS OF AN ENDANGERED SPECIES

Adrian Lopes, Cornell University

Co-Author(s): Jon Conrad, Cornell University

**ECONOMIC ANALYSIS OF THREATENED SPECIES CONSERVATION:
THE CASE OF WOODLAND CARIBOU AND OILSANDS DEVELOPMENT
IN ALBERTA, CANADA**

Vic Adamowicz, University of Alberta

Co-Author(s): Stan Boutin, University of Alberta, Steve Cumming, Universite
Laval, Grant Hauer, University of Alberta and Richard Schneider, University
of Alberta

**IS WHAT IS GOOD FOR THE FOREST GOOD FOR THE PEOPLE:
EVALUATING THE IMPACTS OF PROTECTED AREAS ON ECOSYSTEM
SERVICES AND POVERTY IN INDONESIA**

Daniela Miteva, Duke University

Co-Author(s): Brian Murray, Duke University and Subhrendu Pattanayak,
Duke University

01:30 - 03:00

HUMAN REACTIONS AND POLITICAL ECONOMY

Location: Hoover J

Chairperson: Toni Sipic, Central Washington University

**PERCEIVED PRICE IN RESIDENTIAL WATER DEMAND: EVIDENCE
FROM A NATURAL EXPERIMENT**

Casey Wichman, Univ. of North Carolina, Chapel Hill.

**POLITICAL ECONOMY OF CLIMATE CHANGE: EVIDENCE FROM
CONGRESSIONAL ROLL CALL DATA**

Toni Sipic, Central Washington University

**RESPONSES TO AIR QUALITY ALERTS: DO AMERICANS SPEND LESS
TIME OUTDOORS?**

Alison Sexton, University of Minnesota

**IMPLICATIONS OF CURRENT FEDERAL STRUCTURE ON OPTIMAL
POLICIES TO REDUCE GREENHOUSE GAS EMISSIONS**

Joel Landry, Cornell University

01:30 - 03:00

DEVELOPING COUNTRIES

Location: Hoover H

Chairperson: Maureen Cropper, Univ. of Maryland

AIR POLLUTION CONTROL IN INDIA: GETTING THE PRICES RIGHT

Maureen Cropper, Univ. of Maryland

Co-Author(s): Shama Gamkhar, U. of Texas, Austin, Alexander Limonov,
Resources for the Future, Kabir Malik, University of Maryland and Ian
Partridge, U. of Texas, Austin

**TESTING THE INTEGRITY OF THE AIR POLLUTION DATA IN CHINA: A
NONPARAMETRIC ANALYSIS**

Junjie Zhang, University of California, San Diego

Co-Author(s): Dalia Ghanem, University of California, San Diego

**THE COST OF MITIGATION UNDER THE CLEAN DEVELOPMENT
MECHANISM: AN IMPLICIT COST FUNCTION EVALUATION**

Shaikh Rahman, Texas Tech University

Co-Author(s): Ariel Dinar, The University of California, Riverside and Donald
Larson, The World Bank

01:30 - 03:00

CLIMATE POLICY II: TECHNICAL CHANGE

Location: Coolidge D

Chairperson: Antoine Dechezlepretre, LSE

**ENVIRONMENTAL POLICY AND DIRECTED TECHNOLOGICAL
CHANGE: EVIDENCE FROM THE EUROPEAN CARBON MARKET**

Raphael Calel, London School of Economics

Co-Author(s): Antoine Dechezlepretre, London School of Economics

**ENVIRONMENTAL REGULATION IN OLIGOPOLY: ON LICENSING AND
DIFFUSION OF CLEAN TECHNOLOGY**

Idrissa G.-O. Sibailly, Ecole Polytechnique, Department of Economics and
CREST

**DIRECTED TECHNICAL CHANGE, UNILATERAL ACTIONS, AND
CLIMATE CHANGE**

Hiroaki Sakamoto, Kyoto University

**CARBON TAXES, PATH DEPENDENCY AND DIRECTED TECHNICAL
CHANGE : EVIDENCE FROM THE AUTO INDUSTRY**

Ralf Martin, Imperial College Business School, London

Co-Author(s): Philippe Aghion, Harvard, Antoine Dechezlepretre, LSE, David
Hemous, Harvard and John van Reenen, LSE

01:30 - 03:00

**CLIMATE POLICY III:
INTEGRATED ASSESSMENT MODELS**

Location: Coolidge E

Chairperson: Elizabeth Kopits, U.S. EPA

**RESOURCE MODEL ALTERNATIVES IN DICE-2007: TOWARDS AN
INTEGRATED ASSESSMENT OF THE GREEN PARADOX**

R.J. Briggs, Penn State

Co-Author(s): Klaus Keller, Penn State and Brian Tuttle, Penn State

TIPPING POINTS IN A DYNAMIC STOCHASTIC IAM

Yongyang Cai, Hoover Institution, Stanford University

Co-Author(s): Kenneth Judd, Hoover Institution, Stanford University and
Thomas Lontzek, University of Zurich

**ADAPTATION CAN HELP MITIGATION: AN INTEGRATED APPROACH TO
POST-2012 CLIMATE POLICY**

Francesco Bosello, FEEM - Fondazione Eni Enrico Mattei

Co-Author(s): Carlo Carraro, University of Venice, Fondazione Eni Enrico
Mattei, Euro Mediterranean Center on Climate Change and Enrica De Cian,
Fondazione Eni Enrico Mattei, Euro-Mediterranean Center on Climate Change

**CATASTROPHIC CLIMATE CHANGE: BRIDGING THE GAP BETWEEN
SCIENTIFIC AND ECONOMIC PERSPECTIVES**

Elizabeth Kopits, U.S. EPA

Co-Author(s): Alex Marten, U.S. EPA and Ann Wolverton, U.S. EPA

01:30 - 03:00

UNCERTAINTY

Chairperson: Derek Lemoine, University of Arizona

Location: Eisenhower F

**COMPARING SCIENTIFIC UNCERTAINTIES IN THE ECONOMIC
EVALUATION OF CLIMATE CHANGE**

Derek Lemoine, University of Arizona

Co-Author(s): Haewon McJeon, Pacific Northwest National Laboratory

OPTIMAL POLLUTION CONTROL WITH STRUCTURAL UNCERTAINTY

Jacob LaRiviere, University of Tennessee

Co-Author(s): Richard Carson, UC San Diego

INFORMATION ACQUISITION UNDER AMBIGUITY—WHY THE PRECAUTIONARY PRINCIPLE MAY KEEP US UNINFORMED

Daniel Heyen, Heidelberg University

Co-Author(s): Timo Goeschl, Heidelberg University - Department of Economics and Boris Wiesenfarth, Heidelberg University - Department of Economics

01:30 - 03:00

**GRADUATE STUDENT SESSION II:
TOPICS IN RESOURCE ECONOMICS**

Location: Eisenhower G

Chairperson: Cathy Kling, Iowa State University

IDENTIFYING THE MULTIPLE MARGINS OF RENT GENERATION FROM ITQS

Matthew Reimer, University of California, Davis

Co-Author(s): Joshua Abbott, School of Sustainability, Arizona State University and James Wilen, Dept. Agricultural and Resource Economics, University of California, Davis

OPTIMAL MANAGEMENT OF OYSTERS IN CHESAPEAKE BAY INCORPORATING SANCTUARIES, RESERVES, AQUACULTURE AND EXTERNALITIES

Nikolaos Mykoniatis, Department of Agricultural Economics and Rural Sociology, The Pennsylvania State University

Co-Author(s): Richard Ready, of Agricultural Economics and Rural Sociology, The Pennsylvania State University

REAL OPTIONS ANALYSIS OF CONSERVATION UNDER MULTIPLE UNCERTAINTIES

Payal Shah, University of Illinois at Urbana Champaign

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

03:00 - 03:30

BREAK

Location: Grand Ballroom Pre-function area

03:30 - 05:00

PARALLEL SESSION 7

03:30 - 05:00

VALUATION VII

Location: Taft M

Chairperson: Carol Mansfield, RTI International

TESTING FOR CONFORMITY IN STUDENTS' REPORTED WILLINGNESS TO PAY ON A REFERENDUM

Andrew Meyer, Ohio Wesleyan University

Co-Author(s): Guanyi Yang, Ohio Wesleyan University

VALUING A REAL (AND CONTROVERSIAL) PROPOSAL THROUGH A STATED-PREFERENCE SURVEY

Carol Mansfield, RTI International

Co-Author(s): Peter Grigelis, U.S. Department of Interior, Vikram Kilambi, RTI International, Vesall Nourani, RTI International, Benjamin Simon, U.S. Department of Interior, Cindy Thomson, NOAA and George Van Houtven, RTI International

WILLINGNESS TO PAY FOR INDIVIDUAL GREENHOUSE GAS EMISSIONS REDUCTIONS: EVIDENCE FROM A LARGE FIELD EXPERIMENT

Johannes Diederich, Heidelberg University
Co-Author(s): Timo Goeschl, Heidelberg University

USING RP/SP DATA TO MEASURE THE EFFECTS OF THE BP DEEPWATER HORIZON OIL SPILL ON OYSTER CONSUMER BEHAVIOR

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

03:30 - 05:00

VALUATION VIII: HEALTH

Location: Roosevelt K

Chairperson: Lauren Davis, RTI International

VALUING HEALTH RISKS AGAINST STORM DAMAGES GIVEN THE PRESENCE OF PRIVATE DEFENSIVE STRATEGIES, PUBLIC PROGRAMS, AND NATURAL BARRIERS. EVIDENCE FROM BANGLADESH COASTAL AREAS

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

JOINT IMPACTS OF INDOOR AND OUTDOOR AIR POLLUTION ON HEALTH IN INDONESIA

Jie-Sheng Tan, Duke University, Nicholas School of the Environment
Co-Author(s): Subhrendu Pattanayak, Duke University

THE MEDICAL COSTS OF AIR POLLUTION-RELATED CHRONIC ILLNESS: EVIDENCE FROM THE MEDICAL EXPENDITURE PANEL SURVEY

Anna Belova, Abt Associates Inc.
Co-Author(s): Bryan Hubbell, U.S. EPA and Ellen Post, Abt Associates Inc.

IMPLEMENTING HEALTH BENEFITS OF ENVIRONMENTAL POLICY IN GENERAL EQUILIBRIUM

Lauren Davis, RTI International
Co-Author(s): Brooks Depro, RTI International

03:30 - 05:00

EXPERIMENTS

Location: Roosevelt L

Chairperson: Peter Boxall, University of Alberta

THE IMPACT OF RESTRICTED INFORMATION FEEDBACK ON SPATIAL COORDINATION UNDER THE AGGLOMERATION BONUS SCHEME: AN EXPERIMENTAL INVESTIGATION

Simanti Banerjee, University of Stirling
Co-Author(s): Frans de Vries, University of Stirling and Nick Hanley, University of Stirling

IMPACTS OF SOCIAL CONTEXT ON CONSERVATION AUCTION PERFORMANCE: LEADERSHIP AND SOCIAL CAPITAL

Peter Boxall, University of Alberta
Co-Author(s): Wiktor Adamowicz, University of Alberta and Gerda Kits, The King's University College

**BEHAVIORAL SPILLOVERS FROM TARGETED INCENTIVES: WHEN DO
CONDITIONAL PAYMENT PROGRAMS AFFECT THOSE NOT SELECTED
TO PARTICIPATE?**

Anna Nordén, University of Gothenburg

Co-Author(s): Francisco Alpizar, Centro Agronómico Tropical de Investigación
y Enseñanza (CATIE), Alexander Pfaff, Duke University and Juan Robalino,
Centro Agronómico Tropical de Investigación y Enseñanza (CATIE)

03:30 - 05:00

URBAN-RURAL ISSUES

Location: Hoover J

Chairperson: Sarah West, Macalester College

**PUBLIC TRANSIT AND URBAN DENSITY: THE EFFECT OF LIGHT RAIL
TRANSIT ON LAND USE IN MINNEAPOLIS, MINNESOTA**

Sarah West, Macalester College

Co-Author(s): Needham Hurst, New York City Department of Housing
Preservation and Development

**SEARCHING FOR THE URBAN FRINGE: EXPLORING SPATIO-
TEMPORAL VARIATIONS IN THE EFFECT OF DISTANCE VERSUS
LOCAL INTERACTIONS ON RESIDENTIAL LAND CONVERSION USING
A CONDITIONALLY-PARAMETRIC DISCRETE-TIME DURATION MODEL**

Douglas Wrenn, Ohio State University

Co-Author(s): Elena Irwin, Ohio State University and Abdoul Sam, Ohio State
University

**URBAN CONTAINMENT: AN EFFECTIVE TOOL FOR ENVIRONMENTAL
PROTECTION ?**

Sofia Franco, NOVA School of Business and Economics

Co-Author(s): Maria Cunha-e-Sa, NOVA School of Business and Economics

**ADDITIONALITY AND THE ADOPTION OF FARM CONSERVATION
PRACTICES**

David Newburn, University of Maryland

Co-Author(s): Mariano Mezzatesta, Texas A&M University and Richard
Woodward, Texas A&M University

03:30 - 05:00

**PANEL DISCUSSION II:
RESEARCH IMPLICATIONS OF EPA'S GHG
REPORTING PROGRAM**

Location: Hoover H

Chairperson: Nathan Richardson,
Resources for the Future

INTRODUCTION TO THE GREENHOUSE GAS REPORTING PROGRAM

Mark de Figueiredo, Climate Change Division, U.S. EPA

PRIOR RESEARCH ON INFORMATION DISCLOSURE PROGRAMS

Mark A. Cohen, Vanderbilt University and Resources for the Future

**RESEARCH QUESTIONS RAISED BY THE GREENHOUSE GAS
REPORTING PROGRAM DATA**

David A. Evans and Ann Wolverton, National Center for Environmental
Economics, US EPA

03:30 - 05:00	PUBLIC GOOD PROVISION Chairperson: Sarah Jacobson, Williams College	Location: Coolidge D
	THOSE OUTSIDERS: HOW DOWNSTREAM EXTERNALITIES AFFECT PUBLIC GOOD PROVISION Sarah Jacobson, Williams College Co-Author(s): Jason Delaney, University of Arkansas at Little Rock	
	DO AUTHORITIES LEAD? A FIELD-LAB EXPERIMENT ON LOCAL PUBLIC GOODS B. Kelsey Jack, Tufts University Co-Author(s): Maria Patricia Recalde, University of Pittsburgh	
	PUBLIC GOODS PROVISION WITH MULTIPLE GREEN PREFERENCES Jacob LaRiviere, University of Tennessee Co-Author(s): Mark Jacobsen, UC San Diego and Michael Price, University of Tennessee	
	ASSESSING INSIGHTS FROM LAND CONSERVATION REFERENDA OVER SPACE AND TIME Kathleen Bell, University of Maine	
03:30 - 05:00	CLIMATE POLICY IV: TRADE AND LEAKAGE Chairperson: Alan Fox, U.S. International Trade Commission	Location: Coolidge E
	IMPACTS OF GLOBAL CARBON PRICING ON INTERNATIONAL TRADE AND MODAL CHOICE Misak Avetisyan, University of Southern California Co-Author(s): Thomas Hertel, Purdue University	
	TRADE AND CLIMATE POLICIES UNDER THE TRADE MODEL WITH HETEROGENEOUS FIRMS Jingbo Cui, Iowa State University	
	CAN A UNILATERAL CARBON TAX REDUCE EMISSIONS ELSEWHERE? Don Fullerton, University of Illinois Co-Author(s): Joshua Elliott, Computation Institute, University of Chicago	
	CLIMATE POLICY AND FISCAL CONSTRAINTS: DO TAX INTERACTIONS OUTWEIGH CARBON LEAKAGE? Alan Fox, U.S. International Trade Commission Co-Author(s): Carolyn Fischer, Resources for the Future	
03:30 - 05:00	CLIMATE CHANGE II: ASSESSING THE IMPACTS Chairperson: Jon Anda, Yale University	Location: Eisenhower F
	EMISSIONS TARGETS AND DOMESTIC ACTIONS: DEAD END OR LAST RESORT? Christian Almer, Department of Economics, University of Bern Co-Author(s): Ralph Winkler, University of Bern	
	RISK ADJUSTED COST AND BENEFIT OF CLIMATE POLICY Jon Anda, Yale University Co-Author(s): Alexander Golub, Metroeconomica	

THE EFFECT OF STOCHASTIC STORMS ON OPTIMAL BEACH MANAGEMENT

Sathya Gopalakrishnan, The Ohio State University

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

CLIMATE (CHANGE) AND CONFLICT: RESOLVING A PUZZLE OF ASSOCIATION AND CAUSATION

Christian Almer, Department of Economics, University of Bern

Co-Author(s): Stefan Boes, Department of Economics, University of Bern

03:30 - 05:00

**GRADUATE STUDENT SESSION III:
TOPICS IN ENVIRONMENTAL ECONOMICS**

Location: Eisenhower G

Chairperson: Alan Krupnick, Resources for the Future

ESTIMATING THE IMPACT OF THE NOX BUDGET TRADING PROGRAM ON MANUFACTURING EMPLOYMENT: WHO LOSES UNDER EMISSIONS REGULATION SCHEMES?

Mark Curtis, Georgia State University

THE MICRO FOUNDATIONS OF MACRO SORTING MODELS

Timothy Hamilton, North Carolina State University

Co-Author(s): Daniel Phaneuf, University of Wisconsin, Madison

INTERSTATE NATURAL GAS PIPELINES, PRICE CONTROLS, AND THE SECONDARY MARKET FOR RELEASED CAPACITY: AN ANALYSIS OF REGULATORY BARRIERS TO COMPLETE MARKET EFFICIENCY

Matthew Oliver, University of Wyoming

Co-Author(s): David Finnoff, University of Wyoming and Charles F. Mason,
University of Wyoming

Wednesday 6 JUNE 2012

07:30 - 09:00

WORKSHOP REGISTRATION

Location: Grand Ballroom Pre-function area

07:30 - 08:00

**CONTINENTAL BREAKFAST FOR
WORKSHOP PARTICIPANTS**

Location: Grand Ballroom Pre-function area

08:00 - 12:00

**POSTCONFERENCE WORKSHOP
“CLIMATE CHANGE INTEGRATED ASSESSMENT
MODELING: A HALF-DAY WORKSHOP”**

Location Eisenhower FG

Thomas Rutherford, University of Wisconsin-Madison

Program Committee

Don Fullerton, Co-Chair
Joe Herriges, Co-Chair
Billy Pizer, Sponsored Sessions
Committee Chair
Antonio Bento, Graduate Student
Sessions Committee Chair

Adamowicz, Vic
Alberini, Anna
Albouy, David
Alix-Garcia, Jennifer
Anthoff, David
Auffhammer, Max
Baerenklau, Ken
Barbier, Ed
Barrett, Scott
Baylis, Katherine
Benbear, Lori
Berck, Peter
Bishop, Kelly
Blackman, Allen
Blomquist, Glenn
Bluffstone, Randall
Boxall, Peter
Brown, Gardner
Brozovic, Nicholas
Burtraw, Dallas
Bushnell, James
Cameron, Trudy
Carson, Richard
Cash, Sean
Chen, Yihsu
Clark, Robert
Copeland, Brian
Crocker, Thomas
Damon, Maria
Deschenes, Olivier
Dinar, Ariel
Earnhart, Dietrich
Ellerman, Denny
Evans, Mary
Farzin, Hossein
Ferreira, Susana
Finnoff, David
Fischer, Carolyn
Fisher-Vanden, Karen
Flores, Nicholas
Fowlie, Meredith
Gamper-Rabindran, Shanti
Gaudet, Dr, Gerard

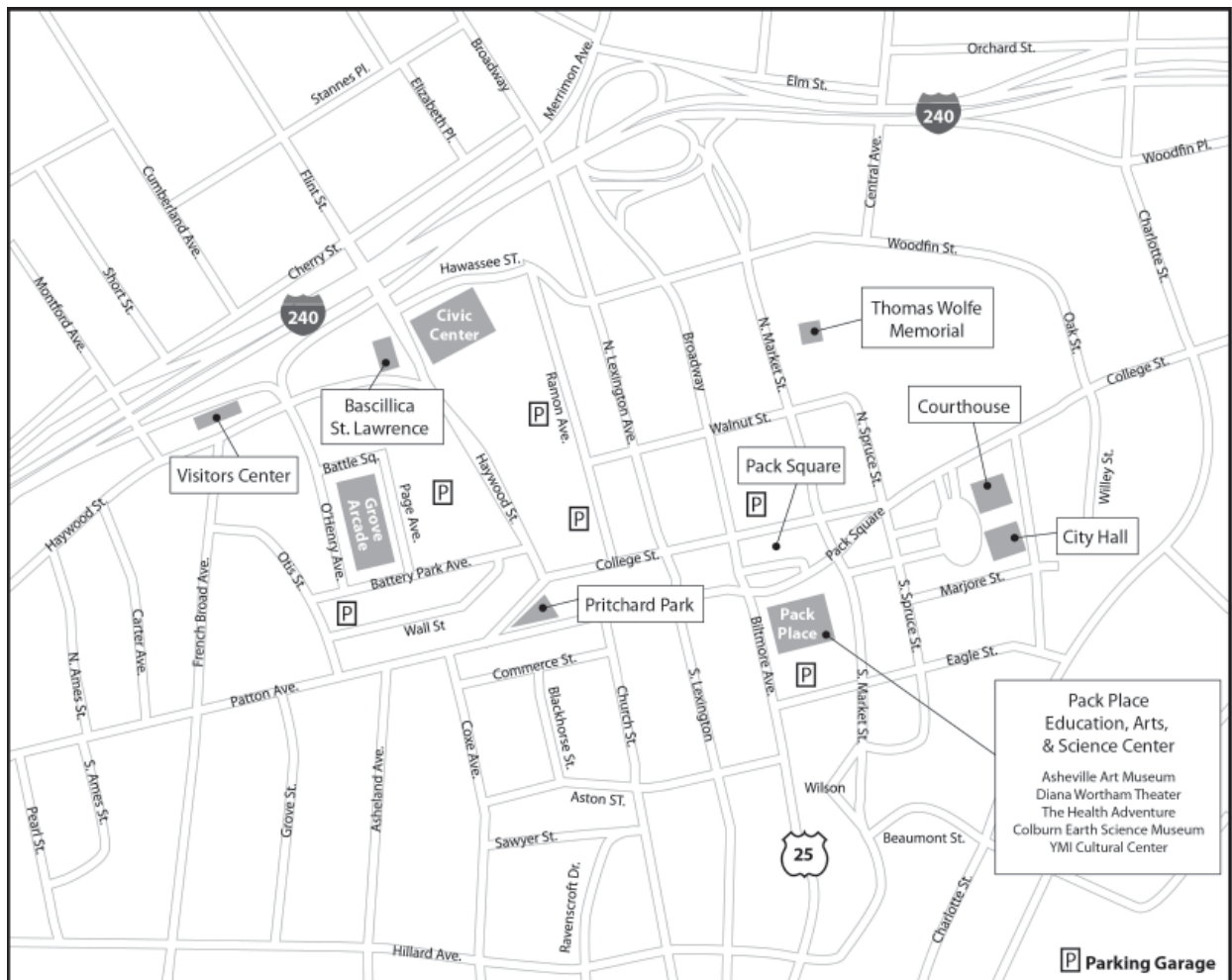
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Gulati, Sumeet
Halvorsen, Robert
Hamilton, Stephen
Helfand, Gloria
Heutel, Garth
Hochman, Gal
Holland, Stephen
Howe, Charles
Hughes, Jonathan
Irwin, Elena
Jacobsen, Mark
Jesso, Katrina
Jeuland, Marc
Kaffine, Daniel
Kellogg, Ryan
Kelly, David
Khanna, Madhu
Kling, Catherine
Kolstad, Charles
Krupnick, Alan
Kuminoff, Nicolai
Lange, Andreas
Langpap, Christian
Libecap, Gary
Lichtenberg, Erik
Linn, Josh
Loomis, John
Lubowski, Ruben
Malik, Arun
Mansur, Erin
McAusland, Carol
McConnell, Ted
Meade, Norman
Mendelsohn, Robert
Moeltner, Klaus
Moore, Michael
Morgenstern, Richard
Mueller, Valerie
Murphy, James
Murray, Brian
Neidell, Matthew
Nemet, Gregory
Olmstead, Sheila
Palmer, Karen
Palmquist, Ray

Parry, Ian
Parsons, George
Pasurka, Carl
Pattanayak, Subhrendu
Phaneuf, Daniel
Plantinga, Andrew
Polasky, Stephen
Roumasset, James
Sanchirico, James
Saphores, Jean-Daniel
Schlenker, Wolfram
Schnier, Kurt
Segerson, Kathy
Shimshack, Jay
Shogren, Jason
Shonkwiler, Scott
Shortle, James
Sigman, Hilary
Siikamaki, Juha
Smith, Martin
Smith, Kerry
Sohngen, Brent
Stavins, Rob
Steinhauser, Ralf
Stranlund, John
Strong, Aaron
Swallow, Stephen
Taylor, Laura
Timmins, Chris
Toman, Michael
Tschirhart, John
Van't Veld, Klaas
Vincent, Jeffrey
Von Haefen, Roger
Vossler, Christian
Wagner, Ulrich
Walsh, Randall
Weninger, Quinn
West, Sarah
Wheeler, Will
Whitehead, John
Wilen, Jim
Wolff, Hendrik
Wolfram, Catherine
Wolverton, Ann
Wu, Junjie
Zhao, Jinhua

Transportation to Downtown Asheville

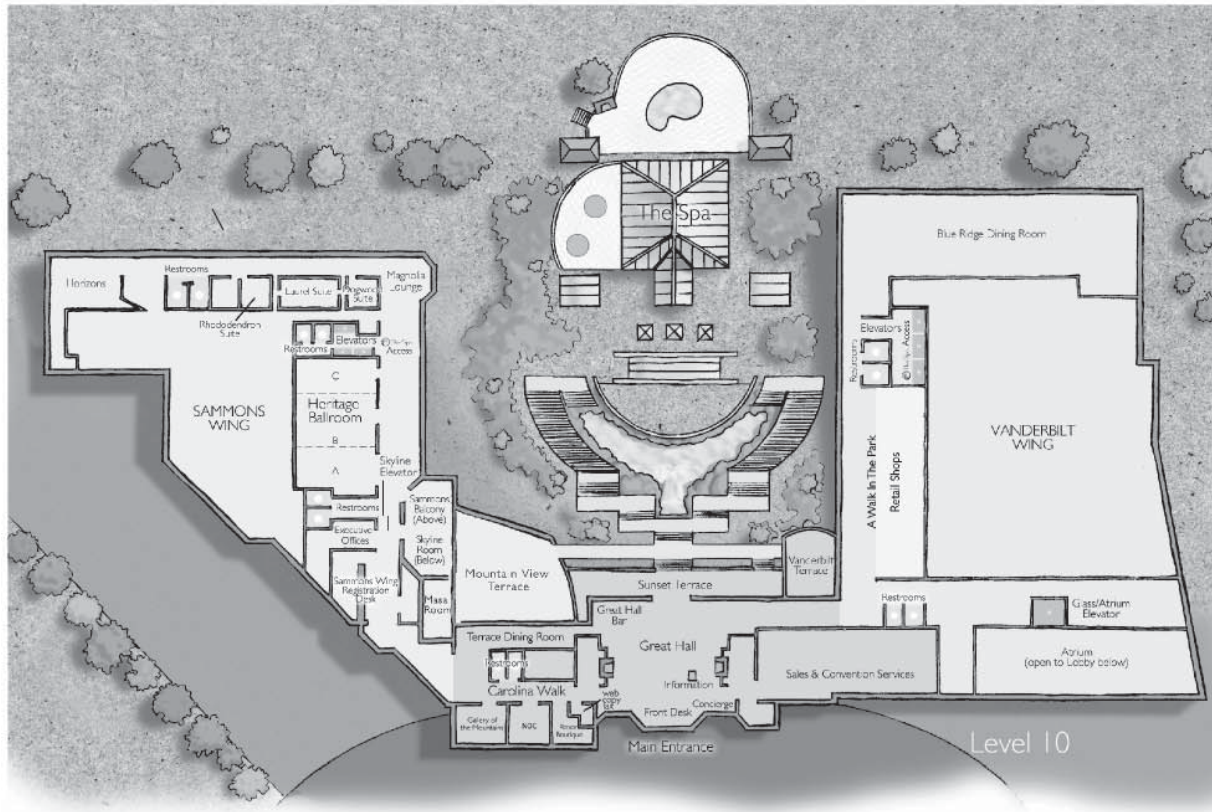
PLANNING TO HAVE DINNER WITH COLLEAGUES IN DOWNTOWN ASHEVILLE on Monday or Tuesday evening? If so, stop by the Concierge Desk after lunch or during a break for information about reserving a van in advance. Let the concierge know the number of people in your group, the time of pickup at the Grove Park Inn, and return time.

TAXI SERVICE PICKUP AT THE GROVE PARK INN can also be arranged but please speak with your driver about your return trip.



Asheville, North Carolina

Grove Park Inn Asheville, North Carolina



Guest Rooms

Main Inn

All three-digit rooms are located in the Main Inn

Sammons Wing

All rooms ending with the numbers 11 - 44 are located in the Sammons Wing.

Vanderbilt Wing

All rooms ending with the numbers 50 - 77 are located in the Vanderbilt Wing

Elaine's Dueling Piano Bar

Take the Atrium elevator in the Vanderbilt Wing

Meeting Rooms

Main Inn

All meeting rooms are located on the lobby level of the Sammons Wing and the eighth floor of the Vanderbilt Wing.

Sammons Wing

Dogwood Suite
Heritage Ballroom
Laurel Suite

Rhododendron Suite
Skyline Room

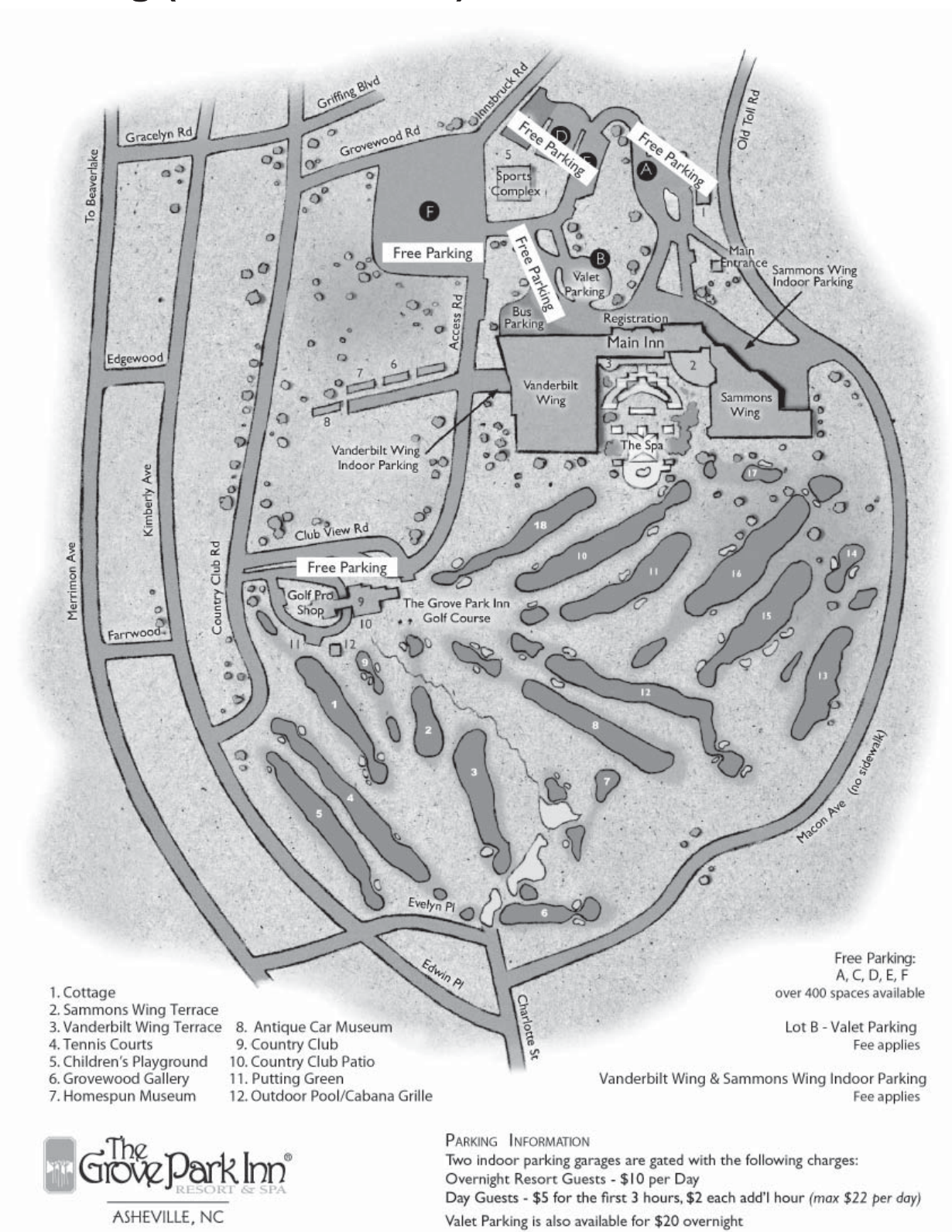
Vanderbilt Wing

Presidents (Level 8)
The Grand Ballroom
Coolidge Suite
Eisenhower Suite

Hoover Suite
Roosevelt Suite
Taft Suite
Wilson Suite



Parking (Grove Park Inn)



Conference Participants

First Name	Last Name	Affiliation
David	Aadland	University of Wyoming
Babatunde	Abidoye	University of Pretoria
Wiktor	Adamowicz	University of Alberta
Ruth	Aisabokhae	Texas A&M University
Christian	Almer	University of Bern
Jon	Anda	Yale University School of Management
Glen	Anderson	International Resources Group
Michael	Anderson	UC Berkeley
Amy	Ando	University of Illinois at Urbana-Champaign
Misak	Avetisyan	University of Southern California
Andrew	Balthrop	Georgia State University
Simanti	Banerjee	University of Stirling
Katherine	Baylis	University of Illinois at Urbana-Champaign
Kathleen	Bell	University of Maine
Anna	Belova	Abt Associates Inc.
Lori	Bennear	Duke University
Antonio	Bento	Cornell University
Elena	Besedin	Abt Associates Inc.
Francesco	Bosello	Fondazione Eni Enrico Mattei (FEEM)
Peter	Boxall	University of Alberta
Gale	Boyd	Duke University
Kevin	Boyle	Virginia Tech
Daniel	Brent	University of Washington
R. J.	Briggs	The Pennsylvania State University
Jennifer	Brown	Eastern Connecticut State University
Linda	Bui	Brandeis University
Dallas	Burtraw	Resources for the Future
Jonah	Busch	Conservation International
Yongyang	Cai	Hoover Institution
Raphael	Calel	London School of Economics
Trudy Ann	Cameron	University of Oregon
Justin	Caron	ETH Zürich
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