Thursday, 30 May
09:00-10:30

1. : Agri-environmental Policy -- Martis Peak A

- Spatial Spillovers from Conservation Policies in Common Property Resources  
  Mani Rouhi Rad, Colorado State University; Dale Manning, Colorado State University; Jordan Suter, Colorado State University; Chris Goemans, Colorado State University
- Wind Energy and Agricultural Production -- Evidence from Farm-Level Data  
  Tengjiao Chen, University of Illinois, Urbana-Champaign
- Flexible Buffer Systems: Enhancing Ecosystem Services and Expanding Agricultural Options in Riparian Areas  
  Xiaogu Li, Pennsylvania State University; Katherine Zipp, Pennsylvania State University; James Shortle, Pennsylvania State University; Heather Gall, Pennsylvania State University; Fei Jiang, Pennsylvania State University
- The Effect of Land Use Restrictions Protecting Endangered Species on Agricultural Land Values  
  Richard Melstrom, Loyola University Chicago

2. : Pollution Control -- Martis Peak B

- Short-Run and Long-Run Impacts of Environmental Regulations on Firm Productivity: Evidence from the U.S. Electricity Sector, 1938-1999 (RANKING = 1)  
  Akshaya Jha, Carnegie Mellon University; Karen Clay, Carnegie Mellon University; Edson Severini, Carnegie Mellon University; Joshua Lewis, University of Montreal
- The Economics of Regulatory Repeal  
  Alan Krupnick, Resources for the Future; Arthur Fraas, Resources for the Future
- The Global Consumer Incidence of Carbon Pricing: Evidence from Trade  
  Lutz Sager, London School of Economics
- Local incidence of a Massachusetts carbon tax  
  Susan Stratton Sayre, Smith College

3. : Fisheries 3 -- Martis Peak C

- FOOD AND FRAUD: ON THE CODFATHER AND HARVEST MISLABELING  
  Jorge Holzer, University of Maryland at College Park; Geret DePiper, NOAA Fisheries
- Estimating stock abundance effects when abundance is unobservable: An application to the Alaska longline halibut fishery  
  Somenath Bera, Iowa State university; Helle Bunzel, Iowa State university; Quinn R A Weninger, Iowa State university
- Running to Stand Still: Common Property Induced Inertia in the Spatial Commons  
  Yutaro Sakai, Arizona State University; Joshua Abbott, Arizona State University; Alan Haynie, NOAA Fisheries
- A new procedure for valuing and maintaining a viable bycatch stock  
  Pierce Donovan, University of California, Davis


- Using a welfare-based metric to better incentivize electric utilities for high-renewable power systems  
  Hyun-gyu Kim, University of Hawaii, Manoa; Michael J. Roberts, University of Hawaii, Manoa; Matthias Fripp, University of Hawaii, Manoa
- The Value of Renewables: Observational and Experimental Evidence from the United States and Europe  
  MARTEN OVAERE, Yale University; Kenneth Gillingham, Yale University
- Gone with the Wind: Consumer Surplus from Renewable Generation  
  Matthew Ridge Butner, University of Colorado Boulder
• "Access to Alternatives: Increasing Rooftop Solar Adoption with Online Platforms" Jackson Dorsey, Indiana University

5. : Deforestation, Property Rights and Monitoring  --Regency A

• Monitoring, Politics and Deforestation in the Amazon  Arthur Bragança, PUC-Rio; Ricardo Dahis, Northwestern University
• Can communal resource monitoring save the commons? Evidence from community-managed forests in Uganda  Sabrina Eisenbarth, University of Exeter; Anouk Rigterink, University of Oxford; Louis Graham, Busara Centre for Behavioural Economics; Chaning Jang, Busara Centre for Behavioural Economics; Ariana Keyman, Busara Centre for Behavioural Economics
• Property Rights and Resource Extraction: Evidence from Deforestation in the Amazon  Dimitri Szerman, University of Mannheim; Juliano Assunção, Climate Policy Initiative & PUC-Rio; Marco Gonzalez-Navarro, University of California at Berkeley
• Deforestation in Common Property Resources: The Case of Community Forest Management in Mexico  Pablo Jose Ordonez, University of Illinois at Urbana of Champaign; Kathy Baylis, University of Illinois at Urbana of Champaign; Isabel Ramírez, CIGA - Universidad Autónoma de México

6. : Field Experiments: Time Preferences and Information Effects  --Regency B

• Is Time or Comfort Preferred for Taking Shared Transit? Evidence from a Field Experiment  Paul Chang, Microsoft; Jacob LaRiviere, Microsoft
• Natural hazards nudges: Testing personalized information and social comparisons in the context of wildfire risk  Patricia Ann Champ, U.S. Forest Service
• Time and Risk Preferences: A large, incentivized experiment  Collin Weigel, Johns Hopkins University; Paul Ferraro, Johns Hopkins University; Maria Bernedo, University of Maryland, Baltimore County
• Voting and information: Evidence from a large survey and randomized controlled trial  Stefano Carattini, Georgia State University; Anomitro Chatterjee, Georgia State University; Todd Cherry, Appalachian State University; Steffen Kallbekken, University of Oslo

7. : Impacts and Management of Wildfires  --Regency D

• Incentives and Liability Rules for Wildfire Risk Management  Christian Langpap, Oregon State University; Junjie Wu, Oregon State University
• Wildfire Risk, Salience and Housing Development in the Wildland-Urban Interface  Shawn J. McCoy, University of Nevada, Las Vegas; Katie Jo Black, Kenyon College; Nicholas Irwin, University of Nevada, Las Vegas
• Inequality and Government Responsiveness: Evidence from Salient Wildfire Events  Matthew Wibbenmeyer, Resources for the Future; Sarah Anderson, University of California, Santa Barbara; Andrew Plantinga, University of California, Santa Barbara
• The Impact of Wildfires on Housing Markets in California  Samuel Evans, Mills College; Matthew Potts, University of California at Berkeley; Felipe De Figueiredo Silva, University of California at Berkeley

8. : Transportation: Innovation and Pricing  --Regency E

• The Margins of Response to Road Use Prices  Leslie Martin, University of Melbourne; Sam Thornton, Productivity Commission
• Speeding Up Innovation: Rethinking the performance and fuel economy tradeoff for light-duty vehicles under regulation  Asa Watten, Michigan State University; Gloria Helfand, Environmental Protection Agency; Andrew Moskalik, US Environmental Protection Agency
• Mobility as a Service: A new open data policy for a greener urban future  Hendrik Wolff, Simon Fraser University
• Is Uber’s Price Right? Congestion vs Market Power in the Ride-hailing Industry  Julian A. Gomez-Gelvez, University of Maryland, College Park

9. : Finance and the Environment --Regency F

• Clean Energy Investment and Credit Rationing  Karol Kempa, Frankfurt School of Finance & Management; Christian Haas, Justus-Liebig University Giessen
• How do lenders price energy efficiency? Evidence from posted interest rates for consumer credit in France  Louis-Gaëtan Giraudet, CIRED; Anna Petronevich, Banque de France
• The Impact of State Renewable Portfolio Standards on Electric Utilities’ Stock Returns  Tao Tao, Clark University; Wayne B Gray, Clark University
• Does Relocation Affect the Environmental Performance of Toxic Facilities?  Xia Wang, University of Illinois at Urbana of Champaign; George Deltas, University of Illinois at Urbana of Champaign; Madhu Khanna, University of Illinois at Urbana of Champaign; Xiang Bi, University of Florida

10. Sponsored Session : Tragedies of the Commons: New Tests, New Results, with applications to fisheries and water resources --Castle Peak A

• Credit Market Development and Resource Extraction: Evidence from Global Fisheries  Frederik Noack, University of British Columbia; Christopher Costello, University of California, Santa Barbara
• Non-Parametric Tests of the Tragedy of the Commons  H.Spencer Banzhaf, Georgia State University; Yaqin Liu, Georgia State University; Frank Asche, University of Florida; Martin Smith, Duke University
• Spatial Externalities in Groundwater Extraction: Evidence from California Agriculture  Fiona Burlig, University of Chicago; Louis Preonas, University of Chicago; Matt Woerman, University of California, Berkeley

Session Chair:
• Martin Smith

Discussants:
• Kyle C. Meng, University of California, Santa Barbara
• Jennifer Alix-Garcia, Oregon State University
• Charles Mason, University of Wyoming


• Long-run projections of economic growth to support social cost of carbon estimation  Kevin J Rennert, Resources for the Future; Roger Cooke, Resources for the Future; David Anthoff, University of California, Berkeley
• The climate and ocean in the social cost of carbon  David Anthoff, University of California, Berkeley; Frank Errickson, University of California, Berkeley
• Discounting approach for the social cost of carbon  Richard Newell, Resources for the Future; William Pizer, Duke University; Brian C. Prest, Resources for the Future
• Discounting for public cost-benefit analysis  Qingran Li, Duke University; William Pizer, Duke University

Early Childhood Lead Exposure and Educational Trajectory into Adolescence  Ron Shadbegian, US EPA NCEE; Heather Klemick, National Center for Environmental Economics, USEPA; Denny Guignet, Appalachian State University; Linda Bui, Brandeis University

How do Coarse Particles and Ozone Affect Children’s Health? Evidence from South Korea  Moon Joon Kim, Duke Kunshan University; Ron Shadbegian, US EPA NCEE; Young Sook Eom, Chonbuk National University

The Effects of Pollution on High Stakes Accountability School Grades and Student Achievement  Claudia Persico, American University

Discussants:
- Ron Shadbegian, US EPA NCEE
- Moon Joon Kim, Duke Kunshan University
- David Simon, University of Connecticut
- Claudia Persico, American University

11:00-12:30

13. : Carbon Regulation --Castle Peak B

- China’s Unconventional Nationwide CO2 Emissions Trading System: Tradeoffs between Cost and Distributional Objectives  Lawrence H Goulder, Stanford University; Xianling Long, Stanford University; Jieyi Lu, Resources for the Future; Richard Morgenstern, Resources for the Future
- Output and Attribute-Based Carbon Regulation Under Uncertainty  Ryan Kellogg, University of Chicago
- Emissions floor price options for EU member states  Carolyn Fischer, University of Ottawa; Christoph Boehringer, University of Oldenburg
- Regulating Stock Externalities  Roweno J.R.K. Heijmans, Tilburg University; Reyer Gerlagh, Tilburg University

14. : Air Pollution: Costs and Impacts of Regulation --Martis Peak B

- Correlated Pollutants, Avoidance and Local Environmental Policy: Analyzing California's Ocean Going-Vessel Fuel Rule  Richard Klotz, Colgate University; Julia Berazneva, Middlebury College
- Regulatory Spillover and Climate Co-benefits: Evidence from the New Source Review  Yichen Christy Zhou, Clemson University; Ron Chan, University of Manchester
- The Effect of Port Traffic and Regulation on Air Pollution  Kenneth Gillingham, Yale University; Pei Huang, Yale University
- P2 Participation as an Indirect Source of Intra-firm Pollution Leakage?  Binish Rijal, University of California, Irvine; Neha Khanna, Binghamton University

15. : Biodiversity 2 --Martis Peak C

- Bioeconomic Grizzly Bear Management  David Christopher Finonoff, University of Wyoming; Aaron Enriquez, University of Wyoming
- Determinants of Avian Species Biodiversity in the United States: The Role of Land-Use Change and Pesticide Use  Yijia Li, University of Illinois at Urbana of Champaign; Madhu Khanna, University of Illinois at Urbana of Champaign; Ruiqing Miao, Auburn University
- Biodiversity and Economic Land Use  Matthew Cole, University of Birmingham; Robert Elliott, University of Birmingham; Eric Strobl, University of Bern
- Optimal spatial-dynamic management to minimize the damages caused by aquatic invasive species  Katherine Zipp, Pennsylvania State University; Ludmil Zikatanov, Pennsylvania State University

16. : Targeting and Development of Wind, Gas and Oil --Pyramid Peak
• Learning Where to Drill: Drilling Decisions and Geological Quality in the Haynesville Shale  Mark Agerton, University of California, Davis
• Oil and gas well targeting: Associated gas, wet gas, and the implications for supply and methane emissions  Gavin Roberts, Weber State University; Ben Gilbert, Colorado School of Mines
• Setbacks as policy instruments: Evidence from Colorado oil and gas wells  Sean Ericson, University of Colorado - Boulder; Daniel Kaffine, University of Colorado - Boulder; Peter Maniloff, Colorado School of Mines
• The Effects of Land Ownership on Wind Energy Development  Justin B. Winikoff, University of Wisconsin, Madison; Dominic Parker, University of Wisconsin, Madison

17. : Environment and Development: Environmental Quality and Health  --Regency A

• The Hidden Cost of Electricity Outages: Air Pollution in Delhi  Yatang Lin, Hong Kong University of Science and Technology; Dana Kassem, University of Mannheim
• Social capital and choice of clean cooking and safe sanitation in India  Ipsita Das, Duke University
• The Health Impacts of Coal-Fired Power Plants in India and the Co-benefits of GHG Reductions  Maureen L Cropper, University of Maryland at College Park; Ryna Cui, Joint Global Change Research Institute; Satyajit Gutti, Urban Emissions Info; Nate Hultman, University of Maryland at College Park; Puja Jawahar, Urban Emissions Info; Haewon McLean, Joint Global Change Research Institute; Yongjoon Park, University of Maryland at College Park; Xinlu Yao, University of Maryland at College Park
• Estimating the Pollution and Health Impacts of Renewable Energy Investments in Chile  Nathaly M. Rivera, University of Alaska, Anchorage; Cristobal Ruiz-Tagle, Environmental Defense Fund; Beia Spiller, Environmental Defense Fund

18. : Topics in Revealed Preferences  --Regency B

• The Value of a Statistical Life: Evidence from Seniors’ Medical Expenditures  Jonathan Ketcham, Arizona State University; Nicolai V Kuminoff, Arizona State University; Nirman Saha, Arizona State University
• Age Variation in the Income Elasticity of the Value of a Statistical Life  Joseph E Aldy, Harvard Kennedy School; Seamus Smyth,
• An Integrated Dynamic Model of Residential Sorting and Health Capital  Sophie Mathes, Arizona State University
• Biases of using aggregate data to infer individual voting preferences  Corey Lang, University of Rhode Island; Shanna Pearson-Merkowitz, University of Rhode Island

19. : Impacts of Air Pollution on Health and Behavior  --Regency C

• The Effect of Pollution on Aggressive Behavior: Evidence From Wildfire Smoke and Crime  Jesse Burkhardt, Colorado State University; Jude Bayham, Colorado State University; Ander Wilson, Colorado State University; Ellison Carter, Colorado State University; Jesse Berman, University of Minnesota; Katelyn O’Dell, Colorado State University; Bonnie Ford, Colorado State University; Emily Fischer, Colorado State University; Jeffrey Pierce, Colorado State University
• The Cost of Coal by Wire: Power Plant Pollution and Child Health in India  Raahil Madhok, University of British Columbia; Rohini Pande, Harvard University; Kevin Atwell Rowe, Harvard University; Anish Sugathan, Indian Institute of Management Ahmedabad
• Blowing Smoke: Health Impacts of Wildfire Plume Dynamics  Nolan Miller, University of Illinois, Urbana-Champaign; David Molitor, University of Illinois, Urbana-Champaign; Eric Zou, Cornell University
• Air pollution and cardiovascular health: evidence from agricultural fires in India  Hemant Pullabhotla, University of Illinois, Urbana-Champaign; Mateus Souza, University of Illinois, Urbana-Champaign

20. : Energy Efficiency and Electricity Pricing  --Regency F
• Does Increasing Block Pricing Decrease Residential Electricity Use?  Becka Brolinson, Georgetown University

• Information Treatments, Attention, and the Energy Efficiency Gap: Evidence from China  Graham Beattie, Loyola Marymount University; Andrea La Nauze, University of Pittsburgh; Iza Ding, University of Pittsburgh

• Environmental and Social Benefits of Time of Use Electricity Pricing  Matt Harding, University of California, Irvine; Kyle Kettler, University of California, Irvine; Carlos Lamarche, University of Kentucky

21. Sponsored Session : Valuing Water --Castle Peak A

• The value of water quality: separating amenity and recreational benefits  Sheila Olmstead, University of Texas at Austin; Yusuke Kuwayama, Resources for the Future; Jiameng Zheng, University of Texas at Austin

• Testing the water: Drinking water quality, public notification, and school outcomes  Michelle Marcus, Vanderbilt University

• Do nonlinear prices work? Distributional and efficiency consequences of budget-based water rates  Casey Wichman, Daniel Brent, Pennsylvania State University; Derek Wietelman, Resources for the Future

Discussants:
• Daniel Phaneuf, University of Wisconsin, Madison
• Jay Shimshack, University of Virginia
• Fiona Burlig, University of Chicago

22. Regular Session: Agriculture and Climate Change --Martis Peak A

• Weather Fluctuations, Expectation Formation, and Short-run Behavioral Responses to Climate Change  Xinde Ji, Virginia Tech; Kelly Cobourn, Virginia Tech

• Drought Shocks, Household Risk Sharing and Occupational Choices  Sayahnika Basu, Arizona State University

• Climate Adaptation and Conservation Agriculture Among Peruvian Farmers  Yaniv Stopnitzky, University of San Francisco; Heleene Tambet, International Food Policy Research Institute

• Agricultural Adaptation to Climatic Changes, and the Critical Role of Water  Andrew Hultgren, University of California, Berkeley; Tamma Carleton, University of Chicago; Solomon Hsiang, University of California at Berkeley; Michael Greenstone, University of Chicago; Ashwin Rode, University of Chicago; Amir Jina, University of Chicago; James Rising, London School of Economics; Robert Kopp, Rutgers University

15:15-16:45

23. : Pollution Control: Enforcement and Compliance --Martis Peak B

• When Threats Become Credible: A Natural Experiment of Environmental Enforcement from Florida  Wesley Blundell, California State University, East Bay

• When the regulator goes home: Effectiveness of environmental oversight  Jason M. Walter, University of Wisconsin, Stout; Zach Raff, University of Wisconsin-Stout

• Testing the Emission Reductions Claims of CDM Projects using Benford’s Law  David Maddison, University of Birmingham; Matthew Cole, University of Birmingham; Liyun Zhang, University of Birmingham

• Cold Case: The forensic economics of energy efficiency labels for domestic refrigeration appliances  Timo Goeschl, Heidelberg University

24. : Fisheries 1 --Martis Peak C

• Empirical Structural Analysis of Value Generation Under Rights-Based Fisheries Management  Anna M. Birkenbach, University of Delaware; Min-Yang Lee, NOAA Fisheries; Martin Smith, Duke University
• An Age-structured Backward-bending Supply of Fish: Implications for Conservation of Bluefin Tuna  Martin Smith, Duke University; Qingran Li, Duke University; Rachel Karasik, Duke University; Julia Bronnmann, University of Leipzig; Martin Quaas, University of Leipzig

• When are Commercial Fisheries a Resource Curse? Lessons from a Tribal Fishery  Dominic Parker, University of Wisconsin, Madison; Thanicha Ruangmas, University of Maryland; Randal Rucker, Montana State University

• Walking a Tight Line: Management of a New Arctic Fishery In the Presence of Spatially Differentiated Ecological-Economic Externalities  Linda Maria Fernandez, Virginia Commonwealth University; Brooks Kaiser, Southern Denmark University; Melina Kourantidou, Southern Denmark University

25. : Energy: Storage, Intermittency and Misallocation --Pyramid Peak

• Thermal Storage and Electrification of Residential Energy Use  Dallas Burtraw, Resources for the Future; Karen Palmer, Resources for the Future; Jhih-Shyang Shih, Resources for the Future; Xiaoyu Liu, Capital One

• The Effect of California’s Cap and Trade Program on Carbon Emissions Reductions  Steven Sexton

• Costs of misallocation in Indian electricity supply  Fiona Burlig, University of Chicago; Akshaya Jha, Carnegie Mellon University; Louis Preonas, University of Chicago

• Energy and Misallocation: Evidence from Brazil  Juliano Assunção, Climate Policy Initiative & PUC-Rio; Sara Brotalho, Pontificia Universidade Catolica do Rio de Janeiro; Amanda Motta Schutze, Pontificia Universidade Catolica do Rio de Janeiro

26. : Natural Resources Management: Growth, Social Benefits and Productivity --Regency A


• Deforestation Policies: a Tool to Shape Productivity?  Fanny Moffette, University of Wisconsin, Madison; Marin Skidmore, University of Wisconsin, Madison; Holly Gibbs, University of Wisconsin, Madison

• Assessing the private and social benefits of forest concessions in the Maya Biosphere Reserve  Corinne Boci, Ohio State University; Brent Sohngen, Ohio State University

• Over-exploitation of natural resources is followed by inevitable declines in economic growth and discount rate  Adam Lampert, Arizona State University

27. : Stated Preferences: Methods and Applications --Regency B

• Estimating the value of threatened species abundance dynamics: a structural econometric approach using choice experiment data  David Kling, Oregon State University; David Lewis, Oregon State University; Steven J. Dundas, Oregon State University; Daniel Lew, NOAA Fisheries

• Variable uncertainty in spatially informed discrete choice models  Klaus Moeltner, Virginia Tech; Robert Johnston, Clark University; Zhenyu Yao, Virginia Tech

• Aversion to environmental risk in stated preference: Implications for benefit transfer and scope response  Ben Blachly, University of Rhode Island; Emi Uchida, University of Rhode Island; Samuel Roy, University of Maine

• Reduce, Reuse, Redeem: Consumer Valuation of California Recycling Options  Molly Van Dop, University of California, Berkeley; Carly Trachtman, University of California, Berkeley; Rebecca Taylor, University of Sydney; Sofia Villas-Boas, University of California, Berkeley

28. : Human Capital, Heat, and Air Pollution --Regency C
- School Bus Emissions, Student Health, and Academic Performance  Garrett Wesley Austin, Georgia State University; Garth Heutel, Georgia State University; Dan Kreisman, Georgia State University
- Toxic air releases and child cognition in the ECLS-B cohort  Irene Jacqz, University of Wisconsin, Madison
- Heat and Learning: Environmental Determinants of Educational Inequality  R. Jisung Park, University of California, Los Angeles; Joshua Goodman, Harvard Kennedy School; Jonathan Smith, Georgia State University; Michael Hurwitz, College Board
- Labor Supply in a Warmer World: The Impact of Climate Change on the Global Workforce  Ashwin Rode, University of Chicago; Tamma Carleton, University of Chicago; Michael Greenstone, University of Chicago; Solomon Hsiang, University of California at Berkeley; Rachel Baker, Princeton University; Anthony D'Agostino, Columbia University; Timothy Foreman, Columbia University; Andrew Hultgren, University of California at Berkeley; Robert Kopp, Rutgers University; Matthew Pecenco, University of California at Berkeley; Ishan Nath, University of Chicago; Amir Jina, University of Chicago; Trevor Houser, Rhodium Group; Michael Delgado, Rhodium Group; Jiayan Yuan, Rutgers University; Kelly McCusker, Rhodium Group; Justin Simcock, Rhodium Group; James Rising, London School of Economics

29. : Natural Disasters: Local Impacts and Floods --Regency D
- The Local Economic Impact of Natural Disasters  Brigitte Roth Tran, Federal Reserve Board; Daniel J. Wilson, Federal Reserve Bank of San Francisco
- Moving to Lower Ground: Flood Insurance Subsidies and Floodplain Development  Daniel Szmurlo, University of California, Santa Barbara
- Private Flood Insurance and the NFIP Risk Pool: Evidence from the Opening of the Florida Market  Jamie T. Mullins, University of Massachusetts - Amherst; Carolyn Kousky, University of Pennsylvania; Matthew Gibson, Williams College
- Floods, shifting risk perceptions and property prices  Sheila Olmstead, University of Texas at Austin; Douglas Wrenn, Pennsylvania State University; Julian Plough, University of Texas at Austin

30. : Transportation: Standards and Purchases --Regency E
- How Do Passenger Vehicle Greenhouse Standards Affect Vehicle Quality?  Yujie Lin, University of Maryland; Joshua Linn, University of Maryland at College Park
- Consumer Myopia in Electric Vehicle Purchases?  David Rapson; James Bushnell, University of California, Davis; Erich Muehlegger,
- Quasi-Experimental Evidence on Consumer Myopia in Vehicle Purchases  Kenneth Gillingham, Yale University; Sebastien Houde, ETH Zurich; Arthur van Benthem, University of Pennsylvania
- Optimal Corrective Taxes with Untaxable Externalities: Evidence from Vehicle Pollution Standards  Mark Jacobsen, University of California, San Diego; Joseph S. Shapiro, University of California at Berkeley; James Sallee, University of California, Berkeley; Arthur van Benthem, University of Pennsylvania

- The Welfare Effects of Information Nudges - Theory and Evidence from a Large-Scale Natural Field Experiment  Matthias Rodemeier, University of Muenster; Lorenz Goette, University of Bonn; Andreas Loesel, University of Münster
- Do behavioral nudges interact with prevailing economic incentives? Pairing experimental and quasi-experimental evidence from water consumption  Daniel Brent, Pennsylvania State University; Casey Wichman,
- Motivation, Signaling and Peer Effects: Evidence from Rooftop Solar and Household Green Power Purchases  Andrea La Nauze, University of Pittsburgh
- A theoretical framework explaining the mechanisms of nudging  Asa E Lofgren, University of Gothenburg; Katarina Nordblom, University of Gothenburg
32. **Sponsored Session**: Computable General Equilibrium Models II --Castle Peak A

- *The Role of Occupational Affiliation on the Incidence of Environmental Regulations*  
  Alex Marten, Environmental Protection Agency; Ann Wolverton, Environmental Protection Agency; Andrew Schreiber, Environmental Protection Agency

- *Evaluating Alternative Options for Managing Nitrogen Losses from Corn Production*  
  Jing Liu, Purdue University; Thomas Hertel, Purdue University; Laura Bowling, Purdue University; Sadia Jame, Purdue University; Uris Baldos; Christopher Kucharik, University of Wisconsin, Madison; Navin Ramankutty, University of British Columbia

- *Can the Yellow Vests Become Green? Quantifying the Equity and Efficiency Effects of Carbon Tax Policy*  
  Stephie Fried, Arizona State University; Kevin Michael Novan, UC Davis; William Peterman, Federal Reserve Board of Governors

**Discussants:**
- Karen Fisher-Vanden, Pennsylvania State University
- Catherine Kling, Cornell University
- Joseph E Aldy, Harvard Kennedy School

33. **Sponsored Session**: JAERE Special Session: Fossil Fuels --Castle Peak B

**Organizer:** Fullerton Don, University of Illinois at Urbana of Champaign

- *Fracking, Coal and Air Quality*  
  Hendrik Wolff, Simon Fraser University; Reid Johnson, Texas A&M University; Jacob LaRiviere, Microsoft

- *Does Resource Ownership Matter? Oil and Gas Royalties and the Income Effect of Extraction*  
  Timothy Fitzgerald, Texas Tech University; Jason P. Brown, Federal Reserve Bank of Kansas City; Jeremy Weber, University of Pittsburgh

- *Dutch Disease Resistance: Evidence from Indonesian Firms*  
  Torfinn Harding, Norwegian School of Economics (NHH); James Cust, The World Bank; Pierre-Louis Vézina, King’s College London

- *Can Learning Explain Deterrence? Evidence from Oil & Gas Production*  
  Peter Maniloff, Colorado School of Mines

**Session Chair:**
- Don Fullerton

34. **Sponsored Session**: Giannini Foundation Session 1: Climate Change and Agriculture --Martis Peak A

- *Is Global Agriculture Growing More Resilient to Climate?*  
  Ariel Ortiz-Bobea, Cornell University; Robert Chambers, University of Maryland; David Lobell, Stanford University

- *Adoption of Drought-Tolerant Corn as Adaptation to Climate Change: Current U.S. Adoption and Future Prospects*  
  Jon McFadden, USDA Economic Research Service; David Smith, USDA Economic Research Service; Steven Wallander, USDA Economic Research Service

- *Ricardian analysis using observed farmland transactions*  
  Daniel P. Bigelow, USDA Economic Research Service; Margaret Christine Jodlowski, Cornell University

- *Estimating climate change damages in data scarce and non-competitive settings: an application to the agriculture of Mexico*  
  Jesus Arellano Gonzalez, University of California, Davis

**Friday, 31 May**

08:30-10:00

35. ** Tradable Permits** --Castle Peak B
• **Tighter Emissions Caps or Targeted Regulations? Reducing High Ozone-Events in the Eastern US**  
  Joshua Linn, University of Maryland at College Park; Christopher Holt, University of Maryland at College Park

• **Cap and Trade and CO2 Emissions: Was the U.S. RGGI Effective?**  
  Karen Maguire, Oklahoma State University; Abdul Munasib, Bureau of Economic Analysis

• **When do Environmental Regulations Backfire? Onsite Electricity Generation, Energy Efficiency and Instrument Selection**  
  Mark Curtis, Wake Forest University; Jonathan Lee, East Carolina University

• **Using the Market to Balance Short and Long-Lived Greenhouse Gases: A New Permit-Based Approach to Capture Time-Varying Climate Impacts**  

36. **Climate Change: Topics in Agriculture and Time Use --Martis Peak A**

• *Implications of lifestyle change on household carbon dioxide emissions: A time-use perspective*  
  Junjie Zhang, University of Maryland, College Park

• *Accounting for the Structure of Property Rights in the Economics Impacts of Climate Change*  
  Bryan Leonard, Arizona State University; Olivier Deschênes, University of California, Santa Barbara

• **Hedging Climate Change: Yield Volatility, Crop Choice and Trade**  
  Francisco Costa, Getulio Vargas Foundation (FGV EPGE); Fabien Forge, University of Ottawa; Jason Garrard, University of Ottawa; Joao Paulo Pessoa, Getulio Vargas Foundation

• **Effects of Heat Waves on Economic Growth**  
  Kenn Chua, University of Minnesota; Jay Coggins, University of Minnesota; Steve Miller, University of Minnesota; Hamid Mohtadi, University of Minnesota

37. **Air Pollution: Damages and Adaptation --Martis Peak B**

• **Pollution and the Intergenerational Transmission of Human Capital: Evidence from the 1970 Clean Air Act**  
  Jonathan Colmer, University of Virginia; John Voorheis, U.S. Census Bureau

• **DIRTY DENSITY: AIR QUALITY AND THE DENSITY OF AMERICAN CITIES**  
  Sefi Roth, London School of Economics; Felipe Carozzi, London School of Economics

• **Recreational Damages from Air Pollution: Evidence from Secondary Marketplace Ticket Microdata for National Football League Games**  
  Scott Kaplan, University of California, Berkeley; Hal Gordon, University of California at Berkeley

• **Adaptation to Environmental Change: Agriculture and the Unexpected Incidence of the Acid Rain Program**  
  Nicholas J Sanders, Cornell University; Alan Barreca, University of California, Los Angeles

38. **Biodiversity 1 --Martis Peak C**

• **Sauce for the Goose is not Sauce for the Gander: Assessing the Heterogeneous Impact of Climate Change on Bird Biodiversity in the United States**  
  Luoye Chen, University of Illinois, Urbana-Champaign; Madhu Khanna, University of Illinois at Urbana-Champaign

• **Ecosystem Service Impacts of Ecological Disruption: Evidence from Malaria Incidence in Central America**  
  Joakim A. Weill, UC Davis; Michael Springborn; Karen R. Lips, University of Maryland; Roberto Ibáñez, Smithsonian Tropical Research Institute; Aniruddha Ghosh, UC Davis

• **Quantifying the role of U.S. plant imports driving non-native insect invasions over 150 years**  
  Michael Springborn; Mathew MacLachlan, USDA Economic Research Service; Andrew Liebhold, USDA Forest Service; Takehiko Yamanaka, National Institute for Agro-Environmental Sciences

• **Multidimensional risk diversification for invasive species management: A quasi-dynamic portfolio theory approach**  
  Charles Sims, The University of Tennessee; Payal Shah, Okinawa Institute of Science and Technology, Graduate University; Amy Ando, University of Illinois, Urbana-Champaign
39. : Field Experiments in Energy Economics --Pyramid Peak

- Gender and effects of information on energy-related choices  Krishnapriya Parameswaran Perumbillissery, Duke University; Rohini Somanathan, Delhi School of Economics
- Impacts of Smart Meters on Losses in Electricity Distribution, Electricity Reliability, and Household Investments in Energy Efficiency  Robyn Meeks, Duke University
- Closing the energy efficiency gap in industrial firms: The role of management practices  Valerie Karplus, Massachusetts Institute of Technology; Da Zhang, Tsinghua University
- Norms and Nudges: Identity Economics and Consumer Preferences for Energy Efficiency  Tamara L Sheldon, University of South Carolina; J.R. DeShazo, University of California, Los Angeles; Bronwyn Lewis Friscia, University of California, Los Angeles

40. : Electrification and Electricity Use in Developing Countries --Regency A

- Fracking, farmers, and rural electrification in India  Theodore Robert Fetter, Duke University; Faraz Usmani, Duke University
- The Price of Power: Costs of Political Corruption in Indian Electricity  Meera Mahadevan, University of Michigan-Ann Arbor
- Understanding Demand for Electricity on the Intensive Margin in Rural Rwanda and Kenya  Megan Lang, University of California, Berkeley
- Willingness to Pay for Electricity Access in Extreme Poverty: Evidence from Sub Saharan Africa  Jörg Peters, Rheinisch-Westfaelisches Institut fuer Wirtschaftsforschung (RWI); Maximiliane Sievert, Rheinisch-Westfaelisches Institut fuer Wirtschaftsforschung (RWI); Jevgenijs Steinbuks, World Bank

41. : Environmental Valuation: Methods and Applications --Regency B

- Quantitative Similarity in Bene
Will Wheeler, U.S. EPA, National Center for Environmental Economics; Steve Newbold, University of Wyoming

- Comprehensive Recreation Demand Modelling with Nonlinear Marginal Utility of Trips: The Case of Outdoor Recreation in Canada Patrick Lloyd-Smith, University of Saskatchewan
- Finding a Best Conservation Park Entry Fee for Kruger National Park Gardner Brown, University of Washington; Johane Dikgang, University of Johannesburg
- The Economic Value of Rock Climbing in Smith Rock: An Individual Travel Cost Approach Cassandra Lynn Koefod, Central Washington University; Toni Sipic, Central Washington University

42. Local Impacts of Resource Booms --Regency C

- Resource Extraction and Local Government: The Fiscal Consequences of the Shale Boom Andrew Robert Waxman, University of Texas at Austin; Akheil Singla, Arizona State University
- Resource booms and drug abuse in the United States Andrew Boslett, University of Rochester Medical Center; Elaine Hill, University of Rochester
- STI Transmission and the Fracking Boom Brock Smith, Montana State University
- The social cost of leaded gasoline: evidence from regulatory exemptions Alex Hollingsworth, Indiana University; Ivan Rudik, Cornell University

43. Natural Disasters: Recovery, Learning and Uncertainty --Regency D

- Anticipating Mother Nature Jacob Hochard, East Carolina University; Yuanhao Li, Norwegian School of Economics (NHH)
- Estimating the Direct and Indirect Impact of Typhoons on Plant Performance: Evidence from Chinese Manufacturers Robert Elliott, University of Birmingham; Eric Strobl, University of Bern; Yi Liu, University of Birmingham; Meng Tong, University of Birmingham
- Local Lending Institutions and Financial Recovery after a Natural Disaster Justin Gallagher, Montana State University; Daniel Hartley, Chicago Federal Reserve Bank
- Learning-By-Dying Jonathan Eyer, University of Southern California

44. Trade and the Environment --Regency E

- The Environmental Bias of Trade Policy Joseph S. Shapiro, University of California at Berkeley
- Environmental Policy Instrument Choice and International Trade Scott Holladay, The University of Tennessee; Mohammed Mohsin, The University of Tennessee; Shreekar Pradhan, King Abdullah Petroleum Studies and Research Center
- Coercive Trade Agreements for Supplying Global Public Goods Scott Barrett, Columbia University; Astrid Dannenberg, University of Kassel
- SS_MandA Misato Sato, London School of Economics; Aurelien Saussay, CIRED, Paris

45. Distributional Impacts and the Environment --Regency F

- Do pollution markets harm low income and minority communities? Glenn Sheriff, Arizona State University; Erin Mansur, Dartmouth College
- Efficiency Wages, Unemployment, and Environmental Policy Xin Zhang, Georgia State University; Garth Heutel, Georgia State University
- Pollution and Unemployment over the Business Cycle Garth Heutel, Georgia State University; John Gibson, Georgia State University
- Energy tax refunds and firm competitiveness in Finland's energy intensive industries (abstract ranking 1) Marita Laukkonen, Vatt Institute for Economic Research; Kimmo Ollikka, Vatt Institute for Economic Research; Saara Tamminen, Sitra
46. **Sponsored Session: Water and Agriculture -- Castle Peak A**

- **Land Tenure and Irrigation on an American Indian Reservation**  
  Muyang Ge, Utah State University; Eric C. Edwards, North Carolina State University; Sherzod Akhoundjanov, Utah State University
- **Water Markets and Climate Change Adaptation: Micro-level Evidence on Agricultural Water Demand**  
  Ellen Bruno, University of California, Berkeley; Katrina Jessoe, University of California, Davis
- **Adapting to Water Scarcity: Evidence from Irrigated Agriculture**  
  Nick Hagerty, University of California, Berkeley

**Discussants:**
- Fran Moore, University of California, Davis
- Wolfram Schlenker, Columbia University
- Ariel Ortiz-Bobea, Cornell University

**10:30-12:00**

47. **: Climate Change: Expectations and Adaptation -- Castle Peak B**

- **Market Expectations About Climate Change**  
  Wolfram Schlenker, Columbia University; Charles Taylor, Columbia University
- **Unpacking Property Owners' Shoreline Modification Decisions: Survey Evidence from Coastal Virginia**  
  Sarah Stafford, College of William & Mary; Amanda Guthrie, Virginia Institute of Marine Science
- **Information and defensive action: Evidence from daily weather forecasts**  
  Matthew Gammans, UC Davis
- **Hold the Line: Modeling Private Coastal Adaptation through Shoreline Armoring Decisions**  
  William Jason Beasley, Oregon State University; Steven J. Dundas, Oregon State University

48. **: Natural Disasters and Climate Change -- Martis Peak A**

- **Does irrigation mitigate the effect of climate shocks on conflict? Evidence from Indonesia**  
  Nicolas Gatti, University of Illinois at Urbana-Champaign; Kathy Baylis, University of Illinois at Urbana of Champaign; Ben Crost, University of Illinois at Urbana-Champaign
- **Assistance Needed? The Willingness to Pay for Flood Insurance**  
  Noelwah R. Netusil, Reed College; Carolyn Kousky, University of Pennsylvania; Howad Kunreuther, University of Pennsylvania
- **Living on the Stormy Side? Tropical Cyclones and Human Settlements**  
  Sven P. Kunze, Heidelberg University/ UC Berkeley; Eric Strobl, University of Bern
- **Climate Change and Regional Migration in the U.S.**  
  Tamara L Sheldon, University of South Carolina; Crystal Zhan, University of South Carolina

49. **: Land Trusts, Protected Land, Recreation and Tourism -- Martis Peak C**

- **Local Economic Impacts of Federal Protected Lands**  
  Margaret Walls, Resources for the Future
- **Self-Regulation in the Non-Profit Sector: The Case of Land Trusts**  
  Alexey Kalinin, University of Wisconsin, Madison; Dominic Parker, University of Wisconsin, Madison; Walter Thurman, North Carolina State University; Qian Yao, University of Wisconsin, Madison
- **The Use of Recreational Hunters in Wildlife Disease Management: Behavior and Incentives**  
  Lusi Xie, University of Alberta; Vic Adamowicz, University of Alberta; Patrick Lloyd-Smith, University of Saskatchewan
- **Stranded: The Effects of Inaccessible Public Land on Local Economies in the American West**  
  Bryan Leonard, Arizona State University; Andrew Plantinga, University of California, Santa Barbara

50. **: Climate Change Adaptation and Market Power in Electricity Markets -- Pyramid Peak**
• Market Size and Market Power: Evidence from the Texas Electricity Market  Matt Woerman, University of California, Berkeley
• Diagnosis of Market Symptoms by Artificial Intelligence: A Case Study of Changing Market Integration in Electricity Market  Hyeongyul Roh, Duke University; Harrison Fell,
• Putting the heat on electricity markets - on the direct and indirect costs of climate change  Jonas David Savelsberg, University of California, Berkeley; Moritz Schillinger, University of Basel
• The Cost of Adapting to Climate Change through the Grid  Steve Cicala, University of Chicago

51. : Environmental Policy and Impacts in Developing Countries --Regency A

• Environmental Policy and Labor Demand in China  Jacquelyn Pless, University of Oxford; Yangsiyu Lu, University of Oxford
• On the Heterogeneous Quality of Chinese Air Pollution Data  Dalia Ghanem, University of California, Davis; Shu Shen, University of California, Davis; Junjie Zhang, Duke University
• The Ecological Footprint of Transportation Infrastructure  Sam Asher, The World Bank; Teevrat Garg, University of California, San Diego; Paul Novosad, Dartmouth College
• Road to glory or highway to hell? Quantifying the trade-off between global road access and climate change mitigation  Leonie Wenz, University of California, Berkeley

52. : Laboratory Experiments in Environmental Economics --Regency B

• The Effect of "Non-binding" Price Floors on the Price of Storable Assets: Emissions Permits and Agricultural Commodities  Steve Salant, University of Maryland; William Shobe, University of Virginia; Nesilhan Uler, University of Maryland
• Economic Decision-making, Judgment, and Destructive Behavior Under Thermal Stress  Maximilian Auffhammer, University of California, Berkeley
• Green assets in financial markets - Evidence from a laboratory experiment  Jana Freundt, University of Pennsylvania; Andreas Lange, University of Hamburg; Andreas Nicklisch, U Chur; Stefan Palan, University of Graz
• Conforming with norms of cooperation  Florian Diekert, Heidelberg University

53. : Water Quality 1 --Regency C

• Health Consequences of Drought-Related Water Supply Policies: Evidence from São Paulo, Brazil  Tales Rozenfeld, University of São Paulo; Ariaster Baumgratz Chimeli, University of São Paulo
• Who is responsible for damaging the commons? Identifying polluters in continent-scale river networks  Peiley Golden Lau, University of California, Berkeley; Julia Longmate, University of California, Berkeley; Jeanette Tseng, University of California, Berkeley; Kendon (Kenny) Matthew Bell, Manaaki Whenua Landcare Research; Sandy Sum, University of California, Berkeley; Solomon Hsiang, University of California at Berkeley
• Agricultural Subsidies and Contaminated Spillovers: The Health Effects of Agricultural Water Pollution in China  Na Lu, University of New Mexico; Kira Villa, University of New Mexico

54. : Forest Resources Management --Regency D

• Money Growing on Trees: A Payment for Environmental Services Classroom Game  Sahan Dissanayake, Portland State University; Sarah Jacobson, Williams College
• *Disentangling the Sources of the Brazilian Miracle: The Impacts of Policy on Deforestation in the Amazon*  Jill Caviglia-Harris, Salisbury University; Thales West, University of Florida; Katrina Mullan, University of Montana; Thaís Muniz Ottoni Santiago, University of Montana; Erin Sills, North Carolina State University; Antônio Fonseca, Imazon

• *Civil conflict reduced the impact of Colombia’s protected areas*  Merlin Mack Hanauer, Sonoma State University

• *Evidence on the Sustainability of Mexico’s Voluntary Conservation Payments.*  Jennifer Alix-Garcia, Oregon State University; Katharine R.E. Sims, Amherst College

55. : Transportation: Impacts of Technology and Regulations --Regency E

• *Revealing Auto-Manufacturers' Implicit Pricing Strategy under the Reformed CAFE Standard: A Reduced-Form Approach*  Hiroshi Matsushima, University of Illinois at Urbana of Champaign; Madhu Khanna, University of Illinois at Urbana of Champaign

• *The Effect of Vehicle Ownership Restrictions on Travel Behavior: Evidence from the Beijing License Plate Lottery*  Antung Anthony Liu, Indiana University; Joshua Linn, University of Maryland at College Park; Ping Qin, Renmin University; Jun Yang, Beijing Jiaotong University

• *The Effect of Battery Innovation on Electric Vehicle Sales and Greenhouse Gas Emissions*  Benjamin Leard, Resources for the Future; Joshua Linn, University of Maryland at College Park; Katalin Springel, Georgetown University

• *Technology shocks to public transit and the policy implications*  Laura Grant, Claremont McKenna College; Lianne Sturgeon, Scripps College

56. : Environmental Quality and Housing Prices --Regency F

• *The King is dead, long live the King? The effect of power plants on housing prices in the age of coal-switching*  Naima Farah, Texas A&M University; Andrew Boslett, University of Rochester Medical Center; Elaine Hill, University of Rochester

• *Living on the Edge: How does Your House Price Respond to Urban Hazard Risks?*  Sofia Franco, Nova University of Lisbon NovaSBE; Jacob Macdonald, Nova SBE

• *The Effect of Urban Forestry on Housing Price and Gentrification of Champaign*  Liqing Li, University of Illinois at Urbana

• *The Housing Market Impacts of Noise Pollution: Evidence from a Natural Experiment*  Charles Towe, University of Connecticut; Michele Baggio, University of Connecticut

57. Sponsored Session : Computable General Equilibrium Models I --Castle Peak A

• *Distributional Effects of Environmental Regulation across Workers: A General-Equilibrium Analysis*  Marc Hafstead, Resources for the Future; Robertton Williams, University of Maryland, College Park

• *Unemployment, Labor Mobility, and Climate Policy*  Garth Heutel, Georgia State University; Kenneth Austin Castellanos, Georgia State University

• *Capturing Energy-Water-Economy Interactions in an Integrated Modeling Framework: the economic impacts of water shortages on the Western power grid*  Karen Fisher-Vanden, Pennsylvania State University; Vijay Kumar, Pennsylvania State University; Mort Webster, Pennsylvania State University; Joseph Perla, Pennsylvania State University; Richard Lammers, University of New Hampshire

Discussants:
• Stephie Fried, Arizona State University
• Kenneth Gillingham, Yale University
• James Archsmith, University of Maryland

58. Regular Session: Prices and Pollution --Martis Peak B
• Implications of Residential Energy Pricing for Energy Substitution and Welfare  Severin Borenstein, University of California, Berkeley; James Bushnell, University of California, Davis
• Instrument Choice, Irreversible Investments, and the Welfare Implications of Pricing Carbon  Joseph E Aldy, Harvard Kennedy School; Sarah Armitage, Harvard University
• Carbon Price Pass-Through in Electricity Markets  Andrew Leach, University of Alberta; Blake Shaffer, Stanford University
• Pigou Creates Losers: On the Implausibility of Achieving Pareto Improvements from Pigouvian Taxation  James Sallee, University of California, Berkeley

13:30-15:00

59. : Climate Change Policy: Growth, Uncertainty and Discounting --Castle Peak B

• Setting carbon taxes (or abatement credits) using declining discount rates: Implications for investment-based mitigation  Matthew Oliver, Georgia Institute of Technology; Chris Kennedy, George Mason University; Shana McDermott, Trinity University
• HEDGING AGAINST UNCERTAINTIES IN COST OF GREENHOUSE GAS MITIGATION: THE CASE OF US BIOFUELS  Michael (Mike) Toman,; Jevgenijs Steinbuks, World Bank; Alexander Golub, The World Bank
• Cumulative carbon emissions and economic policy: in search of general principles  Simon Dietz, London School of Economics; Frank Venmans, University of Mons
• A Bayesian estimation of economic growth uncertainty and its implications for the climate system  Anna Sophia Ciesielski, Ludwig-Maximilians-University; David Anthoff, University of California, Berkeley

60. : Environmental Taxes --Martis Peak B

• Estimating the Fuel-tax Elasticity of Vehicle Miles Travelled from Aggregate Data.  Werner Antweiler, University of British Columbia; Sumeet Gulati, University of British Columbia
• How Does the Use of Carbon Tax Revenue Influence Political Support? Evidence from Washington State  Soren Anderson, Michigan State University; Ioana Marinescu, University of Pennsylvania; Boris Shor, University of Houston
• Agglomeration Economies and the Effectiveness of Environmental Regulation  Junjie Wu, Oregon State University; Kathleen Segerson, University of Connecticut

61. : Fisheries 2 --Martis Peak C

• Structural Behavioral Models for Rights-Based Fisheries  Matthew Reimer, University of Alaska Anchorage; Joshua Abbott, Arizona State University; Alan Haynie, NOAA Fisheries
• Property rights lead to protection of global marine resources  Gabriel Englander, University of California, Berkeley
• Renewable resource federalism: Trade-offs between centralized and decentralized control  James Sanchirico, UC Davis
• Grandfathering by merit  Christopher Costello, University of California, Santa Barbara

62. : Energy Efficiency and Conservation --Pyramid Peak

• The Welfare Costs of Misaligned Incentives: Energy Ine
ciency and the Principal-Agent Problem  Joshua Blonz, Resources for the Future

- Intensive and Extensive Margin Responses in Electricity Conservation: How Households Respond to Financial Rewards  Alastair Fraser, University of Sydney

- Decomposing the Wedge: Mechanisms Driving the Gap Between Projected and Realized Returns in Energy Efficiency Programs  Peter Christensen, University of Illinois, Urbana-Champaign; Erica Myers; Paul Francisco, University of Illinois, Urbana-Champaign; Mateus Souza, University of Illinois, Urbana-Champaign

- Quantifying the Behavioral Response to an Energy Efficiency Upgrade  Kevin Michael Novan, UC Davis; Aaron Smith, University of California, Davis; Tianxia Zhou, Uber

63. : The Environment, Human Capital and Productivity --Regency A

- Too hot to focus: the mean and distributional effects of heat on labor productivity  Yun Qiu, Jinan University; Jinhua Zhao, Michigan State University

- Temperatures, Productivity, and Firm Competitiveness in Developing Countries: Evidence from Côte d’Ivoire  Nouhoum Traore, The World Bank; Jeremy Foltz, University of Wisconsin, Madison

- Labor market adjustment under extreme heat shocks: evidence from Brazil  Victoria Wenxin Xie, University of California, San Diego

- Plantation booms and structural change: the impact of the Indonesian palm oil expansion on manufacturing firm TFP  Sebastian Martin Kraus, Mercator Research Institute on Global Commons and Climate Change (MCC); Nicolas Koch, Mercator Research Institute on Global Commons and Climate Change (MCC)

64. : Non-market Valuation --Regency B

- The Economics of ‘Conservation Debt’: A Natural Capital Approach to Revealed Valuation of Ecological Dynamics  Samantha Marie Laett Maher, EcoHealth Alliance; Eli Fenichel, Yale University; Vic Adamowicz, University of Alberta; Oswald Schmitz, Yale University

- Empirically valuing natural capital  Kendon (Kenny) Matthew Bell, Manaaki Whenua Landcare Research; Sandy Sum, University of California, Berkeley; Julia Longmate, University of California, Berkeley; Jeanette Tseng, University of California, Berkeley; Solomon Hsiang, University of California at Berkeley

- What is a non-market valuation study worth: A demonstration using a meta-analysis of water quality values  Steve Newbold, University of Wyoming; Robert Johnston, Clark University

- Preference heterogeneity and willingness to pay for environmental health technologies  Marc Jeuland, Duke University; Ousmane Ndiaye, Université Gaston Berger; Faraz Usmani, Duke University

65. : Water Conservation Policy --Regency C

- Water demand response to un-conservation pricing  Sara A. Sutherland, North Carolina State University; Eric C. Edwards, North Carolina State University; Sherzod Akhundjanov, Utah State University; Arpita Nehra, Utah State University

- From Water Cops to Smart Meters: Designing Water Conservation Policy in the New Era of Automated Enforcement  Oliver Browne, The Brattle Group; Ludovica Gazze, University of Chicago; Michael Greenstone, University of Chicago; Olga Rostapshova, University of Chicago

- Dueling Drought-mitigation Efforts: The Role of Water Use Efficiency and Conservation Policies on Effluent Generation and Quality  Kurt Schwabe, University of California, Riverside; Mehdi Nemati, University of California, Riverside; Refat Amin,

- Who signs up for free raingardens? Distributional and capitalization effects of green infrastructure subsidies  Daniel Brent, Pennsylvania State University; Joseph Cook, Washington State University; Allison Lassiter, University of Pennsylvania
66. Natural Disasters: Hurricanes and Tornadoes --Regency D

- Learning from Public Information under Conflicting Signals: Evidence from U.S. Tornado Warnings  
  Laura Bakkensen, University of Arizona
- How Beliefs Change Following a Natural Disaster: Evidence From Wind Insurance Data  
  David L. Kelly, University of Miami; Marc N. Conte, Fordham University
- Natural Disasters and Price Gouging: Evidence from Gasoline Sales before and after US Hurricanes  
  Timothy Beatty, University of California, Davis; Gabriel Lade, Iowa State University; Jay Shimshack, University of Virginia
- Pricing Poseidon: Extreme Weather Uncertainty and Firm Return Dynamics  
  Mathias Kruttli, Federal Reserve Board; Brigitte Roth Tran, Federal Reserve Board; Sumudu Watugala, Cornell University

67. International Environmental Agreements --Regency E

- Sober optimism and the formation of international environmental agreements  
  Larry Karp, UC Berkeley; Hiroaki Sakamoto, Faculty of Law Politics and Economics
- Global Economic and Environmental Outcomes of the Paris Agreement  
  Weifeng Liu, Australian National University; Warwick J. McKibbin, Australian National University; Adele C. Morris, Brookings; Peter J. Wilcoxen, Syracuse University
- International Environmental Agreements and Directed Technological Change: Evidence from the Ozone Regime  
  Eugenie Dugoua, London School of Economics
- Climate Agreements with Asymmetric Countries: Theory and Experimental Results  
  Charles Mason, University of Wyoming

68. Environmental Policy and CGE Modeling --Regency F

- Open Access vs Restricted Access in a General Equilibrium with Mobile Capital  
  Louis Hotte, University of Ottawa; Ronan Congar, EconomiX
- To Build or Not to Build? Capital Stocks and Climate Policy  
  Elizabeth Baldwin, Oxford University; Yongyang Cai, Ohio State University; Karlygash Kuralbayeva, King's College London
- Seawalls and Stilts: A Quantitative Macro Study of Climate Adaptation  
  Stephie Fried, Arizona State University
- Welfare consequences of climate policy in different technology futures: Implications for environmental-technology policy  
  Jared Woollacott, RTI International

69. Sponsored Session: REEP Special Session: Environmental Uncertainty and Carbon Taxation --Castle Peak A

- Designing and Evaluating a Carbon Tax Adjustment Mechanism  
  Marc Hafstead, Resources for the Future; Roberton Williams, University of Maryland, College Park
- Carbon Tax Review and Updating  
  Joseph E Aldy, Harvard Kennedy School
- Managing Environmental Uncertainty under a Carbon Tax: A Perspective from the Policy World  
  Susanne A. Brooks, Environmental Defense Fund; Nat Keohane, Environmental Defense Fund

Session Chair:
- Joseph E. Aldy

70. Sponsored Session: Giannini Foundation Session 2: Agriculture and Climate Change --Martis Peak A

- Estimating the adaptive benefits of water market reform for Californian irrigated agriculture  
  Jesus Arellano Gonzalez, University of California, Davis; Fran Moore, University of California, Davis; Amir
Aghakouchak, University of California, Irvine; Yue Qin, University of California, Irvine; Steve Davis, University of California, Irvine
• Coastal land use change: agricultural adaptation to saltwater intrusion and sea level rise  Rebecca Epanchin-Niell, Resources for the Future; Jessica Post, University of Wyoming; Alexandra Thompson, Resources for the Future
• Adaptation and the Envelope Theorem A. John Woodill, University of Hawaii, Manoa; Michael J. Roberts, University of Hawaii, Manoa
• Positive and Preventive Checks on Population in a Changing Climate Kyle C. Meng, University of California, Santa Barbara; Tom Vogl, The University of Texas at Austin

15:15-16:45

71. : Climate Change: Econometrics and Uncertainty --Castle Peak B

• Climate Change Uncertainty, and Learning Jonghyun Yoo, Yale University; Robert Mendelsohn, Yale University
• Characterization of the First Stage Measurement Error in Climate Impact Models Chu (Alex) Yu, University of California, San Diego; Richard Carson, University of California, San Diego
• Accounting for Unobservable Heterogeneity in Cross Section Using Spatial First Differences Hannah Druckermiller, University of California at Berkeley; Solomon Hsiang, University of California at Berkeley
• Climate econometrics: Can the panel approach account for long-run adaptation? Matthew Gammans, UC Davis; Pierre Romain Mérel, UC Davis

72. : Water Resources Management: Climate Change and Irrigation --Martis Peak A

• Land Market Valuation of Groundwater Availability Gabriel Sampson, Kansas State University; Nathan Hendricks, Kansas State University; Mykel Taylor, Kansas State University
• What Drives (No) Adoption of New Irrigation Technologies: A Structural Dynamic Estimation Approach Haoyang Li, Michigan State University; Jinhua Zhao, Michigan State University
• A Water Portfolio Model with Time-Varying Risk in the Presence of Climate Change Anke D. Leroux, Monash University; Vance Martin, The University of Melbourne; Kathryn St. John, The University of Melbourne
• Complements and Substitutes? Crop Insurance and Groundwater Extraction in the Ogallala Aquifer Region Matthew Ryan Sloggy, Colorado State University; Dale Manning, Colorado State University; Chris Goemans, Colorado State University; Roger Claassen, USDA Economic Research Service

73. : Empirical Evidence on the Impacts of Air Pollution and Energy Policy --Martis Peak B

• Does the U.S. Pipeline Infrastructure Promote Clean Energy Use? Evidence from the EPA’s Mercury and Air Toxics Standards Jonathan Scott, University of California, Berkeley
• How "Clean" is Clean Coal? An Empirical Assessment of a Billion Dollar Tax Credit Alan Krupnick, Resources for the Future; Brian C. Prest, Resources for the Future
• Hard NOx: Identifying Spillovers and Operational Inefficiencies Within the EPA NOx Budget Trading Program Kevin Andrew Nakolan, UC Davis
• The Effectiveness and Incidence of Litigation as a Policy Instrument: The Case of New Source Review Settlements Samuel Krumholz, University of California, San Diego

74. : Resources and Ecosystem Studies: Irreversibility, Risk and Uncertainty --Martis Peak C

• Integrating Climate Science and Adaptation Policy: The Effects of Uncertainty on Coastal Housing Markets Lee Parton, Boise State University; Steven J. Dundas, Oregon State University
• ENERGY TRANSITION UNDER THE RISK OF AN ENVIRONMENTAL CATASTROPHE: A TWO-SECTOR APPROACH IN A RIGID ECONOMY  Prudence Dato, University of Basel
• Climate policy tipping and stranded carbon assets  Frederick van der Ploeg, University of Oxford; Armon Rezai, Vienna University of Economics and Business
• Labor Market Effects of In-kind Food Subsidies  Aditya Shrinivas, University of Illinois, Urbana-Champaign

75. : Perspectives on Environmental and Energy Policy —Pyramid Peak

• WATER AND CONCRETE: COMPLEMENTARITY (NOT SUBSTITUTION) BETWEEN NATURAL AND PRODUCED CAPITAL  Mani Rouhi Rad, Colorado State University; Vic Adamowicz, University of Alberta; Alicia Entem, Yale University; Eli Fenichel, Yale University; Patrick Lloyd-Smith, University of Saskatchewan
• Economic and Policy Considerations for Large Scale Investments in Natural Climate Solutions to Achieve Climate Stabilization Goals  **No Authors Listed**
• The Political Economy of Electricity Rates  Linda Cohen, University of California, Irvine; Kyle Kettler, University of California, Irvine
• So You Want to be Relevant: A Policy Analyst’s Reflections on Academic Literature  Gloria Helfand, Environmental Protection Agency

76. : Impacts of Temperature on Violence and Nutrition —Regency A

• Police Brutality and Extreme Temperatures  Sébastien Annan-Phan, University of California, Berkeley; Bocar Ba, Duke University
• Distribution of Environmental Damages: The Case of the Temperature-Violence Relationship in Mexico  Teeyrat Garg, University of California, San Diego; Gordon Carlos McCord, University of California, San Diego; Aleister Montfort, University of Chicago
• Temperature & Children’s Nutrition: Evidence from West Africa  Sylvia Blom, Cornell University; Ariel Ortiz-Bobea, Cornell University; John Hoddinott, Cornell University
• Understanding Interpersonal Violence with Warm Temperatures in Mexico  Francois Cohen, University of Oxford; Fidel Gonzalez, Sam Houston State University

77. : Behavior, Big Data and Spatial Analysis —Regency B

• Costs of Labor Market Adjustment to News  Jeffrey Shrader, Columbia University; Nelson Lind, Emory University; Mitch Downey, University of Stockholm, IIES
• Updating our understanding of exposure and access: Using cellphone movement data to reduce mismeasurement and bias  Edward Rubin, University of Oregon
• How Much Does Standardized Time Change Behavior?: Evidence from Twitter  Patrick Baylis, University of British Columbia; Severin Borenstein, University of California, Berkeley
• Environmental constraints on elite worker productivity: evidence from professional tennis  Marshall Burke, Stanford University; Vincent Tanutama, Stanford University; Sam Heft-Neal, Stanford University; Miyuki Hino, Stanford University; David Lobell, Stanford University

78. : Water Quality 2 —Regency C

• Drinking Water and Infant Health: Evidence from Contaminant Levels in California  Katherine K. Grooms, Southwestern University; Heather Royer, University of California, Santa Barbara; Kevin Schnepel, Simon Fraser University
• The Effect of Incomplete Enforcement Information on Ambient Pollution Levels: Evidence from the Clean Water Act  Tihitina Tesfaye Andarge, University of Maryland, College Park
• Cleaning Up the Rust Belt: Housing Market Impacts of Removing Legacy Pollutants  Alecia Cassidy, University of Alabama; Robyn Meeks, Duke University; Michael Moore, University of Michigan-Ann Arbor
• Water Quality, Policy Diffusion Effects and Farmers Behavior  Eva Tène, Toulouse School of Economics; Sylvain Chabé-Ferret, Toulouse School of Economics; Arnaud Reynaud, Toulouse School of Economics

79. : Avoidance Behavior and Mitigation --Regency D

• Community Resilience to Natural Disasters: The Effects of Environmental Changes on Homeownership Rates and Community Quality  Xiaoyu Li, The Ohio State University; Allen Klaiber, The Ohio State University; Sathya Gopalakrishnan, The Ohio State University
• Housing Discrimination and the Pollution Exposure Gap in the United States  Peter Christensen, University of Illinois, Urbana-Champaign; Ignacio Sarmiento, University of Illinois, Urbana-Champaign; Christopher Timmins, Duke University
• Bag "Leakage": The Effect of Disposable Carryout Bag Regulations on Unregulated Bags  Rebecca Taylor, University of Sydney
• Willingness-to-pay for construction noise abatement in Singapore: Evidence from a choice modelling survey  Chi Hoong Leong, Australian National University; Jeff Bennett, Australian National University

80. : Transportation: Prices --Regency E

• Natural Gas Transportation Price Regulation and the Dash for Gas  Ian Lange, Colorado School of Mines
• Correcting heterogeneous externalities: Evidence from local fuel price controls  Cody Nehiba, University of California, Irvine
• Formative Experiences and the Price of Gasoline  Christopher Severen, Federal Reserve Bank of Philadelphia; Arthur van Benthem, University of Pennsylvania
• Gasoline Price, Driving Behavior, and Demand for Gasoline: Evidence from Fueling Level Micro Data  Christopher Knittel, Massachusetts Institute of Technology; Shinsuke Tanaka, Tufts University

81. Sponsored Session : Fisheries and Marine Conservation --Castle Peak A

• Sharing is not caring: the case of transboundary fisheries  Renato Molina, University of Miami; Owen Liu, University of California at Santa Barbara
• Networks and Policy-Induced Spillovers: Defining the Scope for Ecosystem-Based Fishery Management  Kailin Kroetz, Resources for the Future; Matthew Reimer, University of Alaska Anchorage; James Sanchirico, UC Davis; Daniel Lew, NOAA Fisheries; Justine Huetteman, Resources for the Future
• The Economics of Marine Conservation  Jonathan Colmer, University of Virginia; Robin Burgess, London School of Economics; Michael Greenstone, University of Chicago

Discussants:
• Sabrina Eisenbarth, University of Exeter
• Martin Smith, Duke University
• Christopher Costello, University of California, Santa Barbara

82. Organized Session: Monitoring and Regulatory Agency Decisions --Regency F

• Do environmental disasters change the regulator’s approach?  Zach Raff, University of Wisconsin-Stout
• Regulating Hazardous Wastes under U.S. Environmental Federalism: The Role of State Resources  Wesley Blundell, California State University, East Bay; Mary Evans, Claremont McKenna College; Sarah Stafford, College of William & Mary
• Citizen complaints, regulator behavior, and air pollution: Evidence from the CAA in Texas  Mary Evans, Claremont McKenna College; Jay Shimshack, University of Virginia
• If you see (or smell) something, say something: Citizen complaints and regulation of oil and gas wells  Peter Maniloff, Colorado School of Mines; Daniel Kaffine, University of Colorado – Boulder
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