



HERE@Illinois, AGENDA 2018

(Presenters indicated with *; Posters listed on final page)

HERE@Illinois is grateful for support from three sources at UIUC: the College of Agricultural, Consumer, and Environmental Sciences; the Department of Agricultural and Consumer Economics; the Institute for Government and Public Affairs, and the Gutsqell Endowed Professor Fund.

Saturday September 29:

9:00 – 9:30 **Registration and check in at Illini Union**

9:30 – 9:45 **Opening remarks**

9:45 – 11:25 **First session: Wildlife and Valuation** (Moderator: Kathy Baylis)

“Lotteries, timing, and bears, oh my! A dynamic choice model for lottery-rationed goods”
Carson Reeling* (Purdue University), Valentin Verdier (University of North Carolina - Chapel Hill), and Frank Lupi, (Michigan State University)

“Spatial and temporal substitution patterns of recreational hunting activities in Alberta, Canada”
Lusi Xie* and Vic Adamowicz (University of Alberta); Patrick Lloyd-Smith (University of Saskatchewan)

“The direct costs of living in proximity of wildlife reserves in India: Theory and evidence”
Sumeet Gulati* and Frederik Noack (University of British Columbia); Krithi Karanth (Centre for Wildlife Studies, India)

“Low snowpack and wildfires: A double-edged sword for the welfare of hikers”
Sonja Kolstoe* (Salisbury University)

11:30 – 1:00 **Luncheon and keynote talk: “Small steps with big data: Using machine learning in resource economics”** Matt Harding (University of California – Irvine)

1:00 – 1:20 **Break: coffee/tea**

1:20 – 3:00 **Second session: Environmental Regulation** (Moderator: Madhu Khanna)

“Pigou creates losers: On the implausibility of achieving Pareto improvements from Pigouvian taxation”
James Sallee* (University of California at Berkeley)



“Valuing science policy: Dynamic decisionmaking with general Bayesian learning”
Ivan Rudik* (Cornell University); Maxwell Rosenthal and Derek Lemoine (University of Arizona)

“The effect of vehicle ownership restrictions on female labor supply”
Antung Anthony Liu* (Indiana University); Josh Linn (RFF and University of Maryland);
Ping Qin (Renmin University of China); and Jun Yang (Beijing Transportation Research Center
and Beijing Jiaotong University)

“Environmental regulation and firm productivity in China: Estimates from a regression
discontinuity design”
Shaoda Wang* (University of California at Berkeley), Guojun He (Hong Kong University of
Science and Technology), and Bing Zhang (Nanjing University)

3:00 – 3:20 **Break: coffee/tea**

3:20 – 5:00 **Third session: Studies of Water and of Pollutants** (Moderator: Don Fullerton)

“Water affordability in the United States”
Casey Wichman* (Resources for the Future) and Diego Cardoso (Cornell University)

“What is the value of conformity? Evidence from home landscaping and water conservation”
Nathan Chan* (University of Massachusetts – Amherst) and Jesse Burkhardt (Colorado State
University)

“When NASCAR comes to town: health impacts of acute lead exposure”
Alex Hollingsworth* (Indiana University) and Ivan Rudik (Cornell University)

“Pollution and the intergenerational transmission of human capital”
Jonathan Colmer* (University of Virginia) and John Voorheis (U.S. Census Bureau)

5:00 - 6:00 **Reception with Poster Displays Attended (posters listed below)**

Sunday, September 30:

8:00 – 8:30 **Breakfast**

8:30 – 10:10 **Fourth session: Climate and Disasters** (Moderator: Erica Myers)

“Does when you die depend on where you live? Evidence from Hurricane Katrina”
David Molitor* and Tatyana Deryugina (University of Illinois Urbana-Champaign)



“Earthquakes and economic growth”
Stephanie Lackner* (Princeton University)

“Weather fluctuations, expectation formation, and short-run behavioral responses to climate change”

Xinde Ji* and Kelly M. Cobourn (Virginia Tech)

“Short- and long-run adaptation of consumption to weather and climate”
Brigitte Roth Tran* (Federal Reserve)

10:10 – 10:30 **Break: coffee/tea**

10:30 – 11:50 **Fifth session: Short Talks** (Moderator: Peter Christensen)

“Climate change policy and local air quality: How greenhouse gas regulation impacts the distribution of local air pollutants”

Paige Weber* (Yale University)

“Climate agreements with asymmetric countries: Theory and experimental results”
Charles Mason* (University of Wyoming), Luca Taschini (London School of Economics), and Neil Wilmot (University of Minnesota-Duluth)

“The effect of electricity price changes on manufacturing investment”
Sarah Johnston* (University of Wisconsin)

“Does toxic release information worsen environmental injustice?”
Xiao Wang,* George Deltas, and Madhu Khanna, (University of Illinois at Urbana – Champaign);
Xiang Bi (University of Florida)

“Valuing Natural Capital Stocks with Stochastic Dynamics”
Seong Yun* (Mississippi State U.), Joshua K. Abbott (Arizona State University), and Eli Fenichel (Yale University)

“Defensive Investment in Municipal Water Hardness Reduction”
Naima Farah* and Gregory Torell (Texas A&M University)

12:00 – 1:30 **Luncheon and panel discussion: “Big data and environmental economics”**
Fiona Burlig (U Chicago); Jacob LaRiviere (Microsoft); Adam Storeygard (Tufts U.) (Moderator: Amy Ando)

1:30 – 1:40 **Break: coffee/tea**



1:40 – 3:20 **Sixth session: Energy** (Moderator: Tatyana Deryugina)

“Measuring inefficiencies when agents break their principals' rules: The case of energy efficiency retrofits”

Joshua Blonz* (Resources for the Future)

“Motivation, signaling and peer effects: Evidence from rooftop solar and household green power purchases.”

Andrea La Nauze* (University of Pittsburgh) and Leslie Martin (University of Melbourne)

Re-Lighting Detroit's streets: Impacts on energy use, crime, and property values

Anna Terkelsen,* Soren T. Anderson, Prabhat Barnwal, Dylan Brewer, Joe Herriges, Alex Tybl, and Asa Watten (Michigan State University)

Costs of inefficient regulation: Evidence from the Bakken

Gabriel Lade* (Iowa State University) and Ivan Rudik (Cornell)

3:20 – 3:30 **Closing comments and farewell**

Selected Posters on Display at Heartland 2018

Non-market Valuation:

Estimating welfare from improved water quality without adequate water quality data

Caroline Kelsoe* and Matt Interis (Mississippi State University)

Agricultural adaptation to climate change: Implications for fertilizer use and water quality

Jayash Paudel* and Christine L. Crago (University of Massachusetts – Amherst)

Controlling for attribute non-attendance in choice experiment analysis: A case study on preferences for REDD+ in Ethiopia

Adam Rovang,* Sahan Dissanayake, and Randall Bluffstone (Portland State University)

Land market valuation of groundwater

Gabriel Sampson,* Nathan Hendricks, and Mykel Taylor (Kansas State University)

Inferred valuation as a tool to alleviate social desirability bias. The influence of individual-specific factors

Roxana Zambrano,* Peter Boxall, and Wiktor Adamowicz (University of Alberta)



Agriculture and the Environment:

Market power and spatial price discrimination in agricultural procurement markets: Evidence from the corn ethanol industry in Indiana

Jinho Jung,* Juan P. Sesmero, and Ralph Siebert (Purdue University)

The influence of Environmental Quality Incentives Program (EQIP) on local water quality: Evidence from monitoring station level data

Pengfei Liu* (University of Arkansas), Yu Wang (China Agricultural University), and Wei Zhang (Connecticut College)

Reducing hypoxia in the Gulf of Mexico: Coordination, efficiency, and equity

Chi L. Ta* (University of Illinois Urbana-Champaign)

Determinants of households' adoption of organic pesticides: Evidence from Columbia, Missouri

Lan Tran* and Laura McCann (University of Missouri – Columbia); Dong Won Shin (Korea Environment Institute)

The impacts of a Chinese nationwide fertilizer education program: A difference-in-difference approach

Wendong Zhang* and Minghao Li (Iowa State University); Pingping Wang (China Agricultural University)

Land and Conservation:

Land rights, agricultural productivity, and deforestation in Vietnam

Conor Carney* (Brattle Group) and Ryan Abman (San Diego State)

The effects of property allocations, generations later: Railroad grants, mineral rights severance, and oil and gas leasing in Colorado

Richard DiSalvo,* Andrew Boslett, and Elaine Hill (University of Rochester)

Generating carbon supply curves for avoided deforestation: An example from community forestry in Nepal

Sahan Dissanayake* and Randall Bluffstone (Portland State University); Eswaran Somanathan (Indian Statistical Institute)

Land ownership and irrigation on American Indian reservations: A regression discontinuity approach

Muyang Ge* and Sherzon Akhundjanov (Utah State University); Eric C. Edwards (North Carolina State University)



On the substitution and complementarity of natural and physical capital: The case of Panama Canal expansion

Mani Rouhi Rad* (Colorado State University), Vic Adamowicz (University of Alberta), Alicia Entem (STRI), and Eli Fenichel (Yale University)

“Determinants and implications of global protected area effectiveness”

Payal Shah* (Okinawa Institute of Science and Technology), Kathy Baylis (University of Illinois Urbana-Champaign), and Jens Engelmann (University of Wisconsin – Madison)

Energy:

“Does increasing block pricing decrease energy use? Evidence from the residential electricity market”

Becka Brolinson* (Georgetown University)

“Station heterogeneity and the dynamics of retail gasoline prices”

Julia Gonzalez* and Carlos Hurtado (University of Illinois Urbana-Champaign)

“Behavioral Responses to Spatial Tax Notches: Evidence from Retail Gasoline Price”

Carlos Hurtado (University of Illinois Urbana-Champaign)

“Behavioral nudges to promote energy conservation: Evidence from a university residence hall”

Mateus Nogueira Meirelles de Souza* and Erica Myers (University of Illinois Urbana-Champaign)

“Carbon tax and electricity generation: Estimating new capacity”

Alexey Yukhov* (University of Wisconsin – Milwaukee) and Laura Grant (Claremont McKenna College)

