

RYAN KELLOGG
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Research Interests

Industrial organization, energy and environmental economics

Appointments

Professor, Harris Public Policy, University of Chicago, 2016 - present
Research Associate, National Bureau of Economic Research, 2012 – present
Associate Professor, Department of Economics, University of Michigan, 2012 - 2016
Visiting Researcher, Energy Institute at Haas, 2011 – 2012
Faculty Research Fellow, National Bureau of Economic Research, 2009 – 2012
Assistant Professor, Department of Economics, University of Michigan, 2008 – 2012

Degrees

Ph.D. University of California, Berkeley, Agricultural and Resource Economics, 2008
M.Sc. University of California, Berkeley, Agricultural and Resource Economics, 2004
B.A. Rice University, Economics, 1999
B.Sc. Rice University, Chemical Engineering, 1999

Editorial Positions

Editorial Board, *American Economic Journal: Economic Policy*, 2016 - present
Associate Editor, *RAND Journal of Economics*, 2015 - present
Associate Editor, *International Journal of Industrial Organization*, 2013 – 2016

Publications

Albouy, David, Walter Graf, Ryan Kellogg, and Hendrik Wolff, “Climate Amenities, Climate Change, and American Quality of Life,” *Journal of the Association of Environmental and Resource Economists* 3 (March, 2016), 205-246.

Anderson, Soren T., Ryan Kellogg, Ashley Langer, and James M. Sallee, “The Intergenerational Transmission of Automobile Brand Preferences: Empirical Evidence and Implications for Firm Strategy,” *Journal of Industrial Economics* 63 (Dec., 2015), 763-793.

Hausman, Catherine and Ryan Kellogg, “Welfare and Distributional Implications of Shale Gas,” *Brookings Papers on Economic Activity* (spring 2015), 71-125.

Kellogg, Ryan, “The Effect of Uncertainty on Investment: Evidence from Texas Oil Drilling,” *American Economic Review* 104 (June, 2014), 1698-1734.

- Borenstein, Severin and Ryan Kellogg, “The Incidence of an Oil Glut: Who Benefits from Cheap Crude Oil in the Midwest?” *Energy Journal* 35 (Jan., 2014), 15-33.
- Anderson, Soren T., Ryan Kellogg, and James M. Sallee, “What Do Consumers Believe About Future Gasoline Prices?” *Journal of Environmental Economics and Management* 66 (Nov., 2013), 383-403.
- Borenstein, Severin, Meghan Busse, and Ryan Kellogg, “Career Concerns, Inaction, and Market Inefficiency: Evidence from Utility Regulation,” *Journal of Industrial Economics* 60 (June, 2012), 220-248.
- Kellogg, Ryan, “Learning by Drilling: Inter-Firm Learning and Relationship Persistence in the Texas Oilpatch,” *Quarterly Journal of Economics* 126 (Nov., 2011), 1961-2004.
- Auffhammer, Maximilian and Ryan Kellogg, “Clearing the Air? The Effects of Gasoline Content Regulation on Air Quality,” *American Economic Review* 101 (Oct., 2011), 2687-2722.
- Anderson, Soren T., Ryan Kellogg, James M. Sallee, and Richard T. Curtin, “Forecasting Gasoline Prices Using Consumer Surveys,” *American Economic Review Papers & Proceedings* 101 (May, 2011), 110-114.
- Kellogg, Ryan and Hendrik Wolff, “Daylight Time and Energy: Evidence from an Australian Experiment,” *Journal of Environmental Economics and Management* 56 (Nov., 2008), 207-220. Recipient of the 2009 *JEEM* best paper award.

Working Papers

- Anderson, Soren T., Ryan Kellogg, and Stephen W. Salant, “Hotelling Under Pressure,” NBER working paper #20280, Energy Institute at Haas working paper #250 (2014). Revisions requested from the *Journal of Political Economy*.
- Kellogg, Ryan, “Gasoline Price Uncertainty and the Design of Fuel Economy Standards,” working paper (2016).

Work In Progress

- Herrnstadt, Evan, Ryan Kellogg, and Eric Lewis, “Information Asymmetry, Drilling Distortions, and Second-Best Oil and Gas Leases.”
- Kellogg, Ryan and James Sallee, “Durable Goods Demand and the Rationality of Consumers’ Price Expectations: Evidence from Gasoline and Diesel.”

Grants and Awards

- Alfred P. Sloan Foundation Grant for NBER program to support pre-doctoral fellowships in energy economics, 2015 (co-PI, \$724,500)
- Alfred P. Sloan Foundation Grant for NBER research initiative on the Economics of Energy Infrastructure, 2015 (co-PI, \$588,800)
- MITRE Faculty Research Award for “Asymmetric Information, Royalty Distortions, and Drilling Deadlines: Understanding Oil and Gas Lease Contracts,” 2014 (\$8,000)
- Ralph C. d’Arge and Allen V. Kneese Award for Outstanding Publication in the *Journal of Environmental Economics and Management*, 2009

Sloan Industry Studies Program Site Visit Grant, 2009 (co-PI, \$4,400)
Berkeley Competition Policy Center Dissertation Award, 2009
Sloan Industry Studies Dissertation Award, First Prize, 2008
Coleman Fung Risk Management Grant for “The Effect of Uncertainty on Investment: Evidence from Texas Oil Drilling,” 2007
Coleman Fung Risk Management Grant for “Principal-Agent Incentives, Excess Caution, and Market Inefficiency: Evidence from Utility Regulation,” 2007
Outstanding Graduate Student Instructor Award, spring 2006

Industry Experience

BP (formerly British Petroleum): June 1999 – July 2003
Economic analyst for the Alaska Gas Pipeline Project and Alaska oilfield developments

Teaching

Economics Department, University of Michigan.
Econ 431: undergraduate industrial organization. Mean evaluation score: 4.6
Econ 632: PhD industrial organization. Mean evaluation score: 4.9
Econ 661/662: PhD resource and environmental economics. Mean evaluation score: 4.8
Teaching evaluations are on a 1 to 5 scale; scores shown are the mean over all years taught

Conference and Workshop Presentations

Research presentations: AEA Annual Meeting (2009, 2010), AERE Summer Conference (2008, 2011, 2013, 2016), Bank of Canada Workshop on Commodity Super Cycles (2015), Cowles Structural Microeconomics Conference (2011), Economics of Low Carbon Markets Workshop, Ribeirão Preto, Brazil (2014), EIA Workshop on Financial and Oil Market Linkages (2014), Energy Institute at Haas Energy Camp (most years 2007-2016), International IO Conference (2006, 2009), Iowa State Bioenergy Camp (2010), Midwest Energy Fest (2016), MSU / UM / Wayne State Summer Energy and Environmental Economics Workshop (2008, 2009, 2010, 2012), NBER Corporate Associates Research Symposium (2015), NBER EEE (summer 2009, winter 2010), NBER EEE-IO (winter 2014), NBER IO (summer 2007, summer 2010, summer 2013, NBER-ICRIER Neemrana Conference, India (2015), Northeast Workshop on Energy Policy and Environmental Economics (2012), Occasional California Workshop in Environmental and Resource Economics (2006, 2008), POWER Conference on Energy Research and Policy (2007, 2009), SITE summer workshop (2011), UC IGCC Workshop on the Environment and Human Capital (2012), Winter Marketing-Economics Summit (2015,2016)

Discussant: AEA Annual Meeting (2009, 2010, 2011, 2013, 2015, 2016), Alliance for Research on Corporate Sustainability (2009), Harrington Fellows Conference on IO (UT Austin, 2014), International IO Conference (2006, 2009), NBER EEE (summer 2010, summer 2015), NBER IO (summer 2011), Northeast Workshop on Energy Policy and Environmental Economics (2013), Occasional California Workshop in Environmental and Resource Economics (2008), University of Chicago and RFF Conference on Energy Policy (2011), University of Michigan Erb Institute (2009), Yale Marketing-IO Conference (2013)

Panelist: Heartland Environmental and Resource Economics Workshop (2014)

Seminar Presentations

Aalto (2016), Analysis Group (2016), Arizona State (2011), Australia National University (2015), Bank of Canada (2010,2012), Case Western (2014), Columbia (2009), Cornell (2012), Duke (2009, 2015, 2016), EPA (2011), Federal Reserve Board (2016), Harvard (KSG (2009)), Harvard/MIT (joint (2009)), Indiana (Kelley (2010)), Kansas City Fed (2014), Mannheim (2016), Michigan State (2008,2009), MIT (Econ (2014), Sloan (2008,2012)), Monash (2015), Northwestern (Kellogg (2011)), Norwegian School of Economics (2016), NYU (2011), Ohio State (2009,2013), Oxford (OxCarre (2015)), Penn State (2016), Princeton (Econ (2014), Wilson (2013)), Resources for the Future (2011), Rice / University of Houston (joint (2011)), Stanford (GSB (2008,2012)), Texas A&M (2011), Tinbergen Institute (2015), Toulouse (2016), Tulane (Energy Institute (2009)), University of Calgary (2010), UC Berkeley (ARE (2008,2012), Haas (2010)), UC Davis (2008,2012), UC San Diego (2012), UC Santa Barbara (2008,2016), University of Chicago (Booth (2008,2011,2012,2015), EPIC (2012,2015), Harris (2016)), University of Colorado (2016), University of Illinois (2012), University of Maryland (ARE (2008), Econ (2011)), University of Melbourne (2015), University of Michigan (Econ (2008,2013), Erb (2009), Ross (2013)), University of Minnesota (Applied Econ (2012), Econ (2010)), University of New South Wales (2015), University of Oregon (2012), University of Pennsylvania (Wharton (2015)), UT Austin (2012), University of Utah (Finance (2016)), University of Washington (2010), University of Wisconsin (AAE (2011)), University of Wyoming (2008), Wayne State (2012), Yale (joint Econ, FES (2012), SOM (2008))

Dissertation Advising

Mike McWilliams (committee member). University of Michigan, 2016

Initial placement: Research Seminar in Quantitative Economics, University of Michigan

Mike Palazzolo (committee member). University of Michigan, 2016

Initial placement: UC Davis Graduate School of Management

Jacqueline Doremus (chair). University of Michigan, 2015

Initial placement: California Polytechnic University, Department of Economics

Reid Dorsey-Palmateer (chair). University of Michigan, 2015

Initial placement: Western Washington University, Department of Economics

Evan Herrnstadt (chair). University of Michigan, 2015

Initial placement: Harvard University, Environmental Fellows Program (post-doc)

Eric Lewis (chair). University of Michigan, 2015

Initial placement: Department of Justice, Antitrust Division, Economic Analysis Group

James Wang (committee member). University of Michigan, 2015

Initial placement: Federal Reserve Board of Governors, Banking Supervision Group

Erik Johnson (co-chair). University of Michigan, 2011

Initial placement: Georgia Tech, Department of Economics

Owen Kearney (committee member). University of Michigan, 2011

Initial placement: U.S. Dept. of Treasury, Office of Economic Policy

Media Coverage (selected)

“Daylight Time and Energy: Evidence from an Australian Experiment” featured on ABC National News, CBC Newsworld, CBC Radio One, Australia ABC Radio National, Public Radio International, *National Geographic*, *The Wall Street Journal*, *USNews*, and local television, radio, and newspapers.

“The Incidence of an Oil Glut: Who Benefits from Cheap Crude Oil in the Midwest?” featured in *The Wall Street Journal*

“The Intergenerational Transmission of Automobile Brand Preferences: Empirical Evidence and Implications for Firm Strategy” featured in *The Wall Street Journal* and *The Washington Post*

“Welfare and Distributional Implications of Shale Gas” featured in *New Republic* and *VoxEU*

Service (selected)

Sloan Foundation Energy and Environment Program External Advisory Committee, 2016 - present

Co-organizer, NBER research initiative on the Economics of Energy Infrastructure, 2014 – present

Director, Michigan Institute for Teaching and Research in Economics (MITRE), 2013 - 2016

Faculty Council, University of Michigan Energy Institute, 2013 – 2016

Co-organizer, UM Conference on Transportation, Economics, Energy, and the Environment (TE3), 2014 – 2016

UM Economics Department Executive Committee, 2012 - 2014

Founder, UM Energy and Environmental Economics Seminar Series, 2013

Co-organizer: MSU / UM / Wayne State Environmental Economics Summer Workshop (2009-2013)

Co-organizer: NBER IO meeting, winter 2013

Referee for *Agricultural and Resource Economics Review*; *American Economic Journal: Applied Economics*; *American Economic Journal: Economic Policy*; *American Economic Journal: Microeconomics*; *American Economic Review*; *B.E. Journal of Economic Analysis and Policy*; *Census Bureau*; *Contemporary Economic Policy*; *Econometrica*; *Economic Inquiry*; *Economics of Energy and Environmental Policy*; *Energy Economics*; *Energy Journal*; *Environmental and Resource Economics*; *European Economic Review*; *International Journal of the Economics of Business*; *International Journal of Industrial Organization*; *Journal of Applied Econometrics*; *Journal of the Association of Environmental and Resource Economists*; *Journal of Business and Economic Statistics*; *Journal of Economic Theory*; *Journal of Economics and Management Strategy*; *Journal of Environmental Economics and Management*; *Journal of Human Resources*; *Journal of Industrial Economics*; *Journal of Labor Economics*; *Journal of Law and Economics*; *Journal of Law, Economics, and Organization*; *Journal of Political Economy*; *Macroeconomic Dynamics*; *Management Science*; *National Science Foundation*; *Nature Geoscience*; *Operations Research*; *Quarterly Journal of Economics*; *RAND Journal of Economics*; *Resource and Energy Economics*; *Resources Policy*; *Review of Economic Studies*; *Review of Economics and Statistics*; *Review of Environmental Economics and Policy*; Sloan Foundation; and Smith Richardson Foundation.