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CURRENT AFFILIATIONS

2018 – Associate Professor, Agricultural and Resource Economics (ARE), UC Berkeley
2018 – Research Associate, National Bureau of Economic Research (NBER)
2018 – Research Associate, Energy Institute at Haas
2018 – Research Affiliate, Economics, Yale University
2019 – Co-Editor, Journal of Public Economics

PREVIOUS AFFILIATIONS

2014 – 2018 Faculty Research Fellow, NBER
2013 – 2018 Assistant Professor, Economics, Yale University
2014 – 2018 Courtesy Secondary Appointment, Yale Forestry & Environmental Studies
2015 – 2018 Staff Member, Cowles Foundation
2015 – 2018 Faculty Fellow, Institution for Social and Policy Studies

EDUCATION

Ph.D., Economics, MIT, 2013
M.Sc., Statistics (with Distinction), LSE, 2007
M.Sc., Economics for Development (with Distinction), University of Oxford, 2006
B.A., Economics (with Distinction and Honors in the Ethics in Society Program), Stanford, 2003

FIELDS OF INTEREST

Primary: Environmental/Energy, Public Finance
Secondary: Trade, Health

FELLOWSHIPS, GRANTS, AND HONORS

Sloan Research Fellowship, 2018-2020
National Science Foundation Grant, SES 1530494 (with Arthur van Benthem), 2015-2018
Excellence in Refereeing Award, American Economic Review, 2014, 2015, 2016, 2017
Arthur Greer Memorial Prize for Outstanding Scholarly Publication or Research, Yale, 2017
Weyerhaeuser Research Grant, Yale Center for Business and the Environment, 2017
NSF, Sloan, and NBER joint Research Grant on Economics of Energy Markets (with Reed Walker), 2016-2017
MacMillan Center Faculty Grant, Yale, 2014
EPA Science to Achieve Results (STAR) Graduate Fellowship, 2010-2013

Energy Fellow, Martin Family Fellow, MIT, 2009
Marshall Scholarship, 2005-2007
George Webb Medley Prize for Best Performance in M.Sc., Oxford, 2006
Phi Beta Kappa, Stanford, 2003
Robert M. Golden Medal for Excellence in the Humanities, Stanford, 2003

PUBLICATIONS/FORTHCOMING

“The Low but Uncertain Measured Benefits of US Water Quality Policy” (with David Keiser and Catherine Kling). Forthcoming, Proceedings of the National Academy of Sciences

“Consequences of the Clean Water Act and the Demand for Water Quality” (with David Keiser). 2019. Quarterly Journal of Economics 134(1): 349-396.

- Highlighted in Editor’s Choice, Science 2018 362(6414): 555.

“Why is Pollution from U.S. Manufacturing Declining? The Roles of Environmental Regulation, Productivity, and Trade” (with Reed Walker). 2018. American Economic Review 108(12): 3814-54.

“Regulating Mismeasured Pollution: Implications of Firm Heterogeneity for Environmental Policy” (with Eva Lyubich and Reed Walker). 2018. AEA Papers and Proceedings 108: 136-142.

“Defensive Investments and the Demand for Air Quality: Evidence from the NOx Budget Program” (with Olivier Deschênes and Michael Greenstone). 2017. American Economic Review 107(10): 2958-2989.

“Trade Costs, CO₂, and the Environment.” 2016. American Economic Journal: Economic Policy 8(4): 220-54.

“Adapting to Climate Change: The Remarkable Decline in the U.S. Temperature-Mortality Relationship Over the 20th Century” (with Alan Barreca, Karen Clay, Olivier Deschênes, and Michael Greenstone). 2016. Journal of Political Economy 124(1): 105-159.

“Convergence in Adaptation to Climate Change: Evidence from High Temperatures and Mortality, 1900-2004” (with Alan Barreca, Karen Clay, Olivier Deschênes, and Michael Greenstone). 2015. American Economic Review Papers and Proceedings 105(5): 247-51.

“Globalization and the Role of Public Transfers in Redistributing Income in Latin America and the Caribbean” (with Emmanuel Skoufias and Kathy Lindert). 2010. World Development 38(6): 895-907.

“The Benefits of Delayed Primary School Enrollment: Discontinuity Estimates Using Exact Birth Dates” (with Patrick J. McEwan). 2008. Journal of Human Resources 43(1): 1-29.

“Community-Based Production of Open-Source Software: What do we Know About the Developers who Participate?” (with Paul A. David). 2008. Information Economics and Policy 20(4): 364-398.

“Moving On, Staying Behind, Getting Lost: Lessons on poverty mobility from longitudinal data” (with Stefan Dercon). 2007. In Narayan, D., and P. Petesch. Eds., Moving Out of Poverty: 77-126. Washington, DC: World Bank.

WORKING PAPERS

“The Incidence of Carbon Taxes in U.S. Manufacturing: Lessons from Energy Cost Pass-Through” (with Sharat Ganapati and Reed Walker).

“The Environmental Bias of Trade Policy”

WORK IN PROGRESS

“Optimal Corrective Taxes with Untaxable Externalities” (with Mark Jacobsen, Jim Sallee, and Arthur van Benthem)

“Optimal Pigouvian Taxation in Concentrated Industries” (with Sharat Ganapati and Reed Walker)

“Leakage from Environmental Regulation: Evidence from Smog Check and Used Vehicle Trade” (with Arthur van Benthem)

SHORT-TERM VISITS

Becker-Friedman Institute at University of Chicago (2017)

Stanford Department of Economics (2017)

Energy Institute at UC Berkeley (2017)

INVITED SEMINAR AND CONFERENCE PRESENTATIONS

Invited Seminars (includes scheduled)

2019 UC Berkeley, UC San Diego; Yale Law; NBER Environmental and Energy Economics Spring

2018 Columbia; Dartmouth; Environmental Defense Fund; Georgetown; Harvard Kennedy School; Stanford (2); UC Berkeley (3); UC Santa Barbara; U Chicago-Booth; American Economic Association (AEA); AEA (Association of Environmental and Resource Economists (AERE) contributed session)

2017 Columbia; Inter-American Development Bank; Stanford; University of British Columbia-Vancouver School of Economics; UC Berkeley; UCLA; University of Chicago; U Mass

- Amherst; Yale; AERE Summer Workshop Pre-Workshop Training Session; AEA (AERE contributed session); NBER Energy Markets Conference
- 2016 Brookings; Carleton; Environmental Protection Agency National Center for Environmental Economics; Harvard; Michigan State; MIT; Texas A&M; U Connecticut; U Illinois-Urbana Champaign; U Wisconsin-Madison; Agricultural and Applied Economics Association; AEA (AERE contributed session); Arizona State “Advances in Environmental Economics” Conference; NBER Environmental and Energy Economics; NBER Public Economics; UC Berkeley Energy Institute Camp; Western Economic Association International; Yale Energy and Environment Day
- 2015 Arizona State; Columbia; City University of New York; University of Alberta; University of Chicago; Yale
- 2014 Carnegie Mellon, Tepper, and U Pittsburgh; Cornell; UC Davis; U Michigan; U Washington; NBER Environmental and Energy Economics Spring; NBER Environmental and Energy Economics Summer; Heartland Environmental Economics Workshop; US Census Research Data Center Conference
- 2013 U Chicago-Harris; Harvard Business School; Northwestern-Kellogg; London School of Economics; MIT-Sloan Seminar; U Maryland; UC Berkeley; U Pennsylvania-Wharton; Yale (Economics; FES); UC Berkeley Energy Institute Camp
- 2012 UC Berkeley Energy Institute Camp
- 2011 Environmental Protection Agency Science to Achieve Results Conference; Federal Reserve Bank of Atlanta Research Data Center Conference; NBER Environmental and Energy Economics
- 2010 US Census Bureau Conference

Paper Discussions

- 2018 NBER Agriculture and Trade; American Economic Association (2)
- 2017 NBER Energy and Environment (2); Northeast Workshop on Energy/Environmental Economics (at Dartmouth)
- 2015 American Economic Association; NBER Energy and Environment; Northeast Workshop on Energy/Environmental Economics (at Yale)
- 2014 University of Minnesota Heller/Hurwicz conference on Climate Change
- 2012 NBER Energy and Environment

TEACHING

Ph.D. level Environmental Economics: Fall 2018

Ph.D. level Public Finance: Fall 2014, Spring 2015, Fall 2015, Fall 2017

International Environmental Economics: Fall 2013, Fall 2014, Fall 2015

SERVICE TO THE PROFESSION

Referee for: American Economic Review; Econometrica; Journal of Political Economy; Quarterly Journal of Economics; Review of Economic Studies; American Economic Journal (Applied, Economic Policy, Macroeconomics); American Journal of Agricultural Economics; Canadian Journal of Economics; Climate and Development; Demographic Research; Economics of Education Review; Economic Journal; Economics Letters; Energy & Environmental Science; Environmental and Resource Economics; European Economic Review; IZA World of Labor; Journal of the Association of Environmental and Resource Economists; Journal of Economic Geography; Journal of Environmental Economics and Management; Journal of the European Economic Association; Journal of Health Economics, Journal of Human Resources; Journal of International Economics; Journal of Population Economics; Journal of Public Economics; Journal of Urban Economics; Proceedings of the National Academy of Sciences; Review of Economics and Statistics; Science; Science Advances; World Bank Economic Review

Ad Hoc Reviewer: National Science Foundation; Oxford University Press; Palgrave MacMillan; United States Department of Agriculture-Agriculture and Food Research Initiative

Program Committee: Association of Environmental and Resource Economists summer conference (2017, 2019); World Congress of Environmental and Resource Economists (2018)

Conference session chair or organizer: American Economic Association (2017), National Tax Association (2017), American Economic Association (2018)

Conference creator and organizer: Yale Energy/Environment Day (2016)

SERVICE TO DEPARTMENT AND UNIVERSITY

Ph.D. Admissions (2013-2014)

Junior Faculty Recruiting Committee (2014-2015, 2017-2018)

Ph.D. Placement Co-Director (2015-2016)

Mitchell/Marshall/Rhodes Scholarship Selection Committee (2014-2015, 2015-2016)

Economics Departmental Computing Committee (2013-2014)

Undergraduate Senior Essays Prize committee (2014-2015)

Labor/Public Economics Workshop Co-Organizer (2014-2017)

OTHER

Research discussed in major media (New York Times, Washington Post, The Economist, VoxEU, Science “Editor’s Choice,” Microeconomic Insights, etc.)

Special Sworn Status, US Census Bureau (2008-)

Junior Professional Associate and Consultant, World Bank (2003-2005)

Citizenship: USA