

SARAH ARMITAGE

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EMPLOYMENT

Boston University, Questrom School of Business	Jul. 2023 - present
Assistant Professor	
Environmental Defense Fund	Jul. 2022 - Jun. 2023
Post-Doctoral Economist Fellow	
Massachusetts Institute of Technology, Sloan School of Management	Jul. 2015 - Jul. 2016
Research Assistant	
Industrial Economics, Inc. (IEc)	Mar. 2014 - Jan. 2016
Associate	

EDUCATION

Harvard University	Aug. 2016 - May 2022
Ph.D. Candidate in Political Economy and Government (Economics Track)	
Dissertation: "Essays in Environmental Economics"	
University of Cambridge	Sept. 2012 - Oct. 2013
M.Phil. in Economic and Social History	<i>With Distinction</i>
Yale University	Aug. 2008 - May 2012
B.A. in History	<i>Magna Cum Laude</i>
Member, Phi Beta Kappa	

WORK IN PROGRESS

- Operator Transfers and the Life Cycle of Oil and Gas Wells (with Judson Boomhower and Catherine Hausman).
- Low-Carbon Investment and Climate Policy (with Nathan Miller, Matthew Osborne, and Gretchen Sileo).
- Zero-Emissions Freight Trucking and Infrastructure Provision (with Alvaro Mellado Contreras, Frank Pinter, and Ron Yang).
- Prospects and Policy for Sustainable Aviation Fuels (with Aaron Smith, James Stock, and Oliver York).
- Charting a Research Course for Industrial Decarbonization (with Kenneth Gillingham, Lint Barrage, Dallas Burtraw, Jonathan Colmer, Laure de Preux, Jonathan Hawkins-Pierot, Charles Holt, Valerie J. Karplus, Asa Lofgren, Ralf Martin, Nathan Miller, Mirabelle Muuls, Matthew Osborne, Edson Severnini, William Shobe, Gretchen Sileo, Vladimir Smirnyagin, Thomas Stoerk, Aleh Tsyvinski, Katherine Wagner, Ulrich Wagner, and Xi Wu).

WORKING PAPERS

Technology Transitions and the Timing of Policy: Evidence from Efficient Lighting.

Regulatory Mandates, Cross-State Spillovers, and Electric Vehicle Product Variety (with Frank Pinter).

ECONOMICS PUBLICATIONS

Innovation Market Failures and the Design of New Climate Policy Instruments (with Noel Bakhtian and Adam Jaffe). Forthcoming in *Environmental and Energy Policy and the Economy*, volume 5. Edited by Matthew J. Kotchen, Tatyana Deryugina, and Catherine Wolfram. 2024. (not peer reviewed)

The Welfare Implications of Carbon Price Certainty (with Joseph E. Aldy). *Journal of the Association of Environment and Resource Economics* 9(5): 921-946, 2022.

The Cost-Effectiveness Implications of Carbon Price Certainty (with Joseph E. Aldy). *AEA Papers and Proceedings*, 110: 113-18, 2020. (not peer reviewed)

FELLOWSHIPS, HONORS, AND AWARDS

- 2023 NBER Transportation Economics in the 21st Century Research Grant (with Ron Yang)
- 2022 Ana Aguado Prize (best paper in environmental economics by a doctoral student)
- 2020, 2021 NBER Pre-Doctoral Fellowship in Energy Economics
- 2019 Joseph Crump Fellowship
- 2019 Lab for Economic Applications and Policy Research Grant (with Frank Pinter)
- 2018 Vicky Norberg-Bohm Fellowship
- 2018, 2019 Distinction in Student Teaching, Harvard Kennedy School
- 2012 Gates Cambridge Scholarship

CONFERENCE AND SEMINAR PRESENTATIONS (INCLUDING SCHEDULED)

2025: University of Calgary; University of Maryland, College Park; NBER Conference on Data Infrastructure for Decarbonizing Transportation; University of Chicago; International Industrial Organization Conference; Association of Energy and Resource Economists Annual Conference; Mannheim University

2024: ASSA Annual Meeting (presenter and discussant); World Bank, Europe and Central Asia Productivity Conference; Harvard University Climate Economics Pipeline Workshop (discussant); University of California, Berkeley, Energy Camp; Federal Reserve Bank of San Francisco, Seminar on Climate Economics

2023: ASSA Annual Meeting (discussant); Brookings Institution; New York University, Economics Department; NBER Economics of Energy Use in Transportation (discussant); NBER Environmental and Energy Policy and the Economy Conference; NBER Urban Economics Summer Institute (discussant); Columbia University, Economics Department; University of British Columbia, Economics Department; Pontificia Universidad Católica de Chile, Economics Department; NBER Conference on Transportation Economics in the 21st Century; NBER Conference on the Economics of Decarbonizing Industrial Production

2022: University of Texas at Austin, Economics Department; U.S. EPA, National Center for Environmental Economics; Congressional Budget Office; Federal Reserve Board of Governors; University of California Berkeley, Haas School of Business; Boston University, Questrom School of Business; Northwestern University, Kellogg School of Management; Northwestern University, Economics Department; Berkeley Haas POWER Conference; NBER Workshop on Economics of Innovation in the Energy Sector; Stanford University, Economics Department; Stanford Institute for Theoretical Economics (SITE) Annual Conference; NBER Economics of Innovation in Energy Policy Conference; Yale University, Economics Department; University of Pennsylvania, Wharton School

2021: Association of Environmental and Resource Economists Summer Conference; European Association of Environmental and Resource Economists Summer Conference (egg timer), Empirical Methods in Environmental Economics (EMEE) Summer Workshop

2020: Harvard University Environmental Economics Seminar; European Association of Environmental and Resource Economists Summer Conference; National Bureau of Economic Research (NBER) Environment and Energy Program Spring Meeting; University of California, Berkeley, Advanced Workshop in Climate Economics; Allied Social Science Associations (ASSA) Annual Meeting, Paper Session on Carbon Tax Policy

2019: Harvard Kennedy School Energy Policy Seminar; Northeast Workshop on Energy Policy and Environmental Economics (egg timer); Association of Environmental and Resource Economists Summer Conference

REFEREE SERVICE

Quarterly Journal of Economics, Journal of Urban Economics, Climate Policy, American Economic Journal: Economic Policy, Economic Inquiry, American Economic Review, Research Policy, Proceedings of the National Academy of Sciences, Journal of Public Economics, Journal of Industrial Economics, Journal of Economic Behavior and Organization

OTHER SERVICE AND COMMUNITY ENGAGEMENT

2023– Co-Organizer of Applied Economics Seminar, Questrom School of Business

2023– Member of Social Impact MBA Program Development Committee, Questrom School of Business

TEACHING EXPERIENCE

BE721: Economics and Management Decisions (formerly PL730) Spring 2024, 2025
Boston University, Questrom School of Business

SI453: Strategies for Environmental Sustainability Spring 2024, 2025
Boston University, Questrom School of Business

Last Updated: February 2025