

ROBYN C. MEEKS

Sanford School of Public Policy, Duke University

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RESEARCH INTERESTS

Environmental and energy economics, development economics

ACADEMIC APPOINTMENTS

Duke University, Sanford School of Public Policy	
<i>Director of Graduate Studies, Master of International Development Policy</i>	2026-
<i>Mark and Lynne Florian Associate Professor of Public Policy</i>	2025-
<i>Mark and Lynne Florian Assistant Professor of Public Policy</i>	2023-2025
<i>Assistant Professor (On leave 2023-2024)</i>	2017-2025
Harvard Business School, Institute for Business in Global Society (BiGS)	
<i>BiGS Climate Fellow</i>	2023-2024
University of Michigan, School of Natural Resources and Environment	
<i>Assistant Professor of Environmental Economics</i>	2012-2017

RESEARCH AFFILIATIONS

<i>Research Affiliate, Abdul Latif Jameel Poverty Action Lab (J-PAL), MIT</i>	2022-
<i>Faculty Advisor, Nicholas Institute for Energy, Environment & Sustainability</i>	2017-
<i>Faculty Associate, James E. Rogers Energy Access Project</i>	2017-
<i>Affiliate, Duke Center for International Development (DCID)</i>	2017-
<i>Affiliate, Environment for Development (EfD)</i>	2017-

EDITORIAL POSITIONS

<i>Associate Editor, American Economic Journal: Applied Economics</i>	2026-
<i>Senior Editor, VoxDevLit, Electricity Infrastructure</i>	2024-

EDUCATION

Harvard University, Kennedy School of Government, Ph.D., Public Policy	2012
Research fields: Environmental Economics, Development Economics	
Yale University, School of Forestry and Environmental Studies,	2005
Master of Environmental Management	
Brown University, Bachelor of Arts, Political Science	2000

PREVIOUS AFFILIATIONS AND VISITING POSITIONS

<i>Visiting Scientist, International Centre for Integrated Mountain Development, Nepal</i>	2016-2018
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<i>Visiting Researcher</i> , Univ. of Chicago, Energy Policy Institute of Chicago (EPIC)	2016, Fall
<i>Doctoral Fellow</i> , Harvard Environmental Economics Program	2006-2012
<i>Doctoral Fellow</i> , Harvard Sustainability Science Program	2009-2012

ARTICLES: PUBLISHED AND ACCEPTED (authors ordered as in publication)

R. Meeks, J. Pless, Z. Wang. 2026. "Can Digitalization Improve Public Services? Evidence from Innovation in Energy Management," *Management Science*. <https://doi.org/10.1287/mnsc.2024.06349>

H. Ahmad, A. Ali, **R. Meeks**, Z. Wang, and J. Younas. 2025. "Down to the Wire: Leveraging Technology to Improve Electric Utility Cost Recovery," *American Economic Journal: Applied Economics*, 17(4).

R. Meeks, H. Thompson, Z. Wang, 2025. "Decentralized Renewable Energy to Grow Manufacturing? Evidence from Microhydro Mini-grids in Nepal," *Journal of Environmental Economics and Management*, May, 130.

H. Ahmad, A. Ali, **R. Meeks**, V. Plutshack, Z. Wang, J. Younas. 2024. "Breaking the Culture of Non-payment: A Qualitative Analysis of Utility Intervention Project Sarbulandi in Karachi Electric, Pakistan," *Utilities Policy*, December, 91.

R. Meeks and A. Pokhrel. 2024. "The Economics of Electricity and Development: Planning for Growth and a Changing Climate," *Annual Review of Resource Economics*, 16:323-347.

A. Cassidy, **R. Meeks**, and M. Moore. 2023. "Cleaning Up the Great Lakes: Housing Market Impacts of Removing Legacy Pollutants," *Journal of Public Economics*, October, 266.

R. Meeks, R. Isaev, A. Omuraliev, and Z. Wang. 2023. "Impacts of Electricity Quality Improvements: Experimental Evidence on Infrastructure Investments," *Journal of Environmental Economics and Management*. July, 120.

M. Mahadevan, **R. Meeks**, and T. Yamano. 2023. "Reducing Information Barriers to Solar Adoption: Experimental Evidence from India," *Energy Economics*, April, 120.

M. Fowlie and **R. Meeks**. 2021. "Rethinking Energy Efficiency in Developing Countries," *Review of Environmental Economics and Policy*, Summer, 15(2).

E. Carranza and **R. Meeks**. 2021. "Energy Efficiency and Electricity Reliability," *Review of Economics and Statistics*, 103(3): 461-475.

R. Meeks, K. Sims, and H. Thompson. 2019. "Waste Not: Can Biogas Deliver Sustainable Development?" *Environmental and Resource Economics*, 72(3).

R. Meeks. 2018. "Property Rights and Household Access to Water Sources: Evidence from a Land Titling Program in Rural Peru," *World Development*, 102: 345-357.

R. Meeks. 2017. "Water Works: The Economic Impact of Water Infrastructure," *Journal of Human Resources*, 52(4).

C. Brown, **R. Meeks**, Y.B. Ghile, and K. Hunu. 2013. "Is Water Security Necessary? An Empirical Analysis of the Effects of Climate Hazards on National Level Economic Growth," *Philosophical Transactions A*, Water Security Special Issue, 371(202).

- C. Null, J.G. Hombrados, M. Kremer, **R. Meeks**, E. Miguel, and A. P. Zwane. 2012. “Willingness to Pay for Cleaner Water in Less Developed Countries: Systematic Review of Experimental Evidence,” *International Initiative for Impact Evaluation Systematic Review*, 006.
- C. Brown, **R. Meeks**, K. Hunu, and W. Yu. 2011. “Hydroclimatic risk to economic growth in Sub-Saharan Africa,” *Climatic Change*, 106(4): 621-647.

WORKING PAPERS (authors typically ordered alphabetically)

- R. Meeks**, J. Pless, Z. Qi, Z. Wang. 2026. “Who Pays for Growth? Evidence from Data Centers and the Grid.” MIT CEEPR Working Paper 2026-13.
- M. Mahadevan, A. Martinez, R. McCord, **R. Meeks**, and M. Pradhananga. 2025. “On the Back Burner: Experimental Evidence for Energy Transitions.” CESifo Working Paper No, 12190.
- H. Ahmad, A. Ali, **R. Meeks**, Z. Wang, and J. Younas. 2026. “Climate Adaptation in Distorted Electricity Markets.”
- M. Mahadevan, R. McCord, **R. Meeks**, and M. Pradhananga. 2026. “Growing Pains: Infrastructure Upgrades for Energy Transitions.”
- H. Ahmad, A. Ali, **R. Meeks**, Z. Wang, and J. Younas. 2025. “Information and Behavioral Approaches to Increase Electricity Payment and Reduce Pollution from Electricity in Pakistan.”
- S. McRae and **R. Meeks**. 2016. “Price Perception and Electricity Demand with Nonlinear Tariffs.”

WORK IN PROGRESS (authors ordered alphabetically)

- H. Ahmad, A. Ali, **R. Meeks**, Z. Wang, and J. Younas. “Shining a light on energy access: Evaluating the impact of free solar panel installations on low-income households in Punjab, Pakistan.”
- X. Chen, **R. Meeks**, Z. Wang, J. Zhang. “Improving Climate Resilience in Rural Credit in China.”
- U. Chakravorty, S. Laszlo, **R. Meeks**, M. Pelli, and M. Pradhananga. “Coal to Solar Transition in Ger Districts of Ulaanbaatar, Mongolia.”
- H. Al-Shammasi, M. Jeuland, and **R. Meeks**. “Off-Grid Energy Access in Benin.”
- D. Bhattarai, **R. Meeks**, S. Oh, D. Patino-Echeverri, S. Pattanayak, E. Wibbels. “Mini-grid Sustainability and the Role of Metering.”

SELECT POLICY REPORTS AND WRITING

- Phillips, J., A. Cissé, M. Jeuland, M. E. Lang, J. N. Lee, R. McCord, **R. Meeks**, D. Patiño-Echeverri, M. Singh, X. Slaski, R. Song, R. Zaman, and A. P. Zwane. 2025. “Incentivizing Grid Reliability: A Framework for Performance-Linked Electricity Improvements in Low- and Middle-Income Countries.” Nicholas Institute Working Paper 25-06.
- H. Ahmad, A. Ali, **R. Meeks**, Z. Wang, and J. Younas. “The ABCs of electricity theft: Can anti-theft cables improve electricity service?” *VoxDev*, March 2026.

R. Meeks (senior editor) and M. Mahadevan (co-editor). “Electricity Infrastructure,” *VoxDevLit*, 15(1), May 2025.

R. Meeks, R. Isaev, A. Omuraliev, and Z. Wang. “Electricity quality improvements: Evidence from infrastructure investments in the Kyrgyz Republic,” *VoxDev*, June 22, 2023.

M. Mahadevan, **R. Meeks**, and T. Yamano. “Reducing information barriers to solar adoption: Experimental evidence from India,” *Ideas for India*, 13 July 2022.

E. Carranza and R. Meeks. “Energy efficiency and electricity reliability: Externality impacts of compact fluorescent lamps,” *VoxDev*, May 17, 2021.

J. Phillips, **R. Meeks**, and V. Plutshack. “Can Technology Help Save Developing World Utilities in the Wake of COVID-19?” *Nicholas Institute Policy in the Pandemic Series*, October 26, 2020.

Members of the Energy Metric Working Group. “The Reliability-Adjusted Cost of Electricity (RACE): A new metric for the fight against energy poverty,” *The Energy for Growth Hub*, October 2019.

C. Brown, **R. Meeks**, Y. Ghile, and K. Hunu. “An Empirical Analysis of the Effects of Climate Variables on National Level Economic Growth,” World Bank Policy Research Working Paper & Background paper for World Bank World Development Report, 2010.

B. Gentry, **R. Meeks**, G. Walker, and S. Wallander. “Overview Report on the Experience of International Financial Institutions and International Funds in Investing in Climate Change Mitigation in Developing Countries,” Background paper for the report of the Secretariat of the UN Framework Convention on Climate Change (UNFCCC), FCCC/SBI/2005/INF.7. Nov 2005.

HONORS AND AWARDS

2022	Brown University Athletic Hall of Fame, Women’s Crew Team of 1999
2012	Harvard Environmental Economics Program (HEEP) Enel Endowment Prize, Best Doctoral Paper
2005-2006	Fulbright U.S. Student Program, Open Research Award, Kyrgyz Republic
2004-2005	Foreign Language and Area Studies (FLAS) Scholarship, Russian language
1999	McKenna and Thompson Award, Rhode Island state internship program
1999	NCAA Div I National Champion Team, Brown University Women’s Crew

FELLOWSHIPS AND GRANTS (awards since Duke appointment include monetary values)

2026	<i>Structural Transformation and Economic Growth. Centre for Economic Policy Research (CEPR).</i> (£23,600) co-PI: “Measuring Solar Energy Use Among Low-Income Households: Incentivising Monitoring Device Installation in Punjab, Pakistan”
2025	<i>MIT Abdul Latif Jameel Poverty Action Lab (J-PAL). King Climate Action Initiative.</i> (\$250,000) PI: “Pakistan's Solar Lottery: Evaluating the Impact of Free Solar Panel Installations on Grid-Connected, Low-Income, Households in Punjab, Pakistan”
2025	<i>MIT Abdul Latif Jameel Poverty Action Lab (J-PAL). King Climate Action Initiative.</i> (\$74,841) PI: “Improving Climate Resilience in Rural Credit: A Randomized Evaluation in China.”

- 2025 *International Growth Centre (IGC)* (£20,000) co-PI: “The Solar Lottery in Pakistan: Evaluating Free Solar Panels to Grid-connected Low-Income Households.”
Asian Development Bank (ADB) (\$130,000) Co-PI: “Impact Evaluation: Encouraging Electric Cookstove Adoption and Use in Nepal.” (PIs: M. Pradhananga and M. Pelli).
- 2024 *Harvard Business School, Climate Fellowship, Business in Global Society (BiGS)* (\$315,000) PI: “Electricity Services and Climate Change in Developing Countries.”
- 2023 *Duke University Sanford School Pilot Funding* (\$17,500) PI: “Energy Infrastructure, Electricity Services, and Household Electricity Consumption: Implications for Climate Resilience and Justice.”
- 2023 *Duke University Social Science Research Institute (SSRI) Grant* (\$25,000) PI: “Approaches to Reduce Losses and Pollution from Electricity Provision in Pakistan.”
- 2022 *MIT Abdul Latif Jameel Poverty Action Lab (J-PAL). King Climate Action Initiative.* (\$150,000) PI: “Information and Behavioral Approaches to Reduce Electricity Theft and Pollution from Electricity Provision in Pakistan” (Co-PIs: A. Ali and J. Younas).
- 2022 *Energy for Economic Growth (EEG)* (£77,660) PI: “Power Systems and COVID-19 in the Developing World: Understanding the Role of Metering and Infrastructure Improvements in Power System Resilience in Kyrgyzstan and Pakistan.”
- 2020 *Duke Energy Initiative Research Seed Fund* (\$30,700) PI: “Understanding Micro Hydro Mini-grid Infrastructure Sustainability in Nepal” (Co-PIs: D. Patino-Echeverri, S. Pattanayak, E. Wibbels).
- 2019 *Michigan Sea Grant* (\$20,000) Co-PI: “Restoration Economics: Effects of Area-of-Concern Remediation on Residential Housing Prices and Neighborhood Demographics” (PI: M. Moore).
- 2019 *Millennium Challenge Corporation (MCC)* (\$1.8 million) Co-PI: “MCC Benin II Off-Grid Energy Access Project Evaluation” (PI: M. Jeuland).
- 2019 *Asian Development Bank (ADB)* (\$268,681) PI: “Reducing Roof-top Solar Power Supply Delivery Costs in India.”
- 2019 *Duke Energy Initiative Research Seed Fund* (\$39,000) PI: “Understanding Mini-grid Infrastructure Sustainability in Nepal.” (Co-PIs: D. Patino-Echeverri, S. Pattanayak, E. Wibbels).
- 2018 *Sanford Pilot Funding Program* (\$14,000) PI: “Institutions for Well Maintenance in Rural Uganda” (Co-PIs: R. Guiteras and A. Harris).
- 2018 *International Growth Centre (IGC)* (£39,186) PI: “The Impacts of Smart Meters on Losses in Electricity Distribution, Electricity Reliability, and Household Investments in Energy Efficiency.”
- 2018 *Great Lakes Commission* (\$40,214) Co-PI: “Determining the Impact of Protecting and Restoring the Great Lakes” (PI: M. Moore).
- 2017 *Michigan Sea Grant* (\$224,835) Co-PI: “Restoration Economics: Effects of Area-of-Concern Remediation on Residential Housing Prices and Neighborhood Demographic Characteristic” (PI: M. Moore).

- 2017 *McIntire-Stennis Research Program*. Co-PI: “Incentives or Information? Supporting stronger public-private forest management partnerships” (PI: A. Agrawal).
- 2015 *Michigan Institute for Teaching and Research in Economics (MITRE)*. PI: “Household Responses to Energy Price Reforms in Kyrgyzstan” (co-PI: S. McRae).
- 2015 *University of Michigan Office of Research Faculty Grant*. PI: “Household Responses to Energy Price Reforms in Kyrgyzstan” (co-PI: S. McRae).
- 2015 *University of Michigan, Transforming Learning for a Third Century*. Co-PI (with 18 others): Transforming Sustainability Education and Case-Based Teaching (PIs: A. Agrawal and R. Hardin).
- 2015 *Weiser Center Faculty Grant*. PI: “Household Responses to Energy Price Reforms in Kyrgyzstan.”
- 2013 *ADVANCE Elizabeth Caroline Crosby Award*.
- 2013 *University of Michigan OVPR Faculty Research Grant*. PI: “Estimating the Impacts of a Block Electricity Tariff on Adoption of Energy Efficient Technologies.”
- 2012 *Weiser Center Faculty Grant*. PI: “Local Public Goods and Motivating Take-up of Energy Efficient Technologies.”
- 2011 *National Science Foundation (NSF) Social, Behavioral, and Economics Doctoral Dissertation Research Improvement Grant (SES-1061989)*. Co-PI with E. Carranza: “Economics of a Lightbulb” (PI: S. Mullainathan).
- 2003 - *Harvard University Dissertation Completion Fellowship*.
- 2011 *Harvard Davis Center for Russian and Eurasian Studies Research Grant*.
Harvard Center for International Development Research Grant.
Taubman Center for State and Local Government Dissertation Fellowship.
Harvard Sustainability Science Program Giorgio Ruffolo Fellowship.
Norberg-Bohm Fellowship for Science, Technology and Public Policy.
Crumpp Fellowship for Environment and Natural Resource Management.
Harvard Kennedy School Pre-doctoral Fellowship.
Yale Hixon Center for Urban Sustainability Research Award.
Yale Carpenter-Sperry Mellon Research Award.

PRESENTATIONS AND INVITED TALKS

- 2027 ASSA Annual Meeting (discussant), Washington, DC [scheduled]; University of Michigan, Ann Arbor, MI [scheduled];
- 2026 Paris School of Economics [scheduled], Paris, France; University of Texas, Austin, TX; Trinity University, San Antonio, TX; 7th World Congress of Environmental and Resource Economists (WCERE) Science-Policy-Business session “Improving Electricity Service Quality and Reliability in Low-Income Settings: Challenges and Opportunities,” Lisbon, Portugal; Sustainable Energy Transitions Initiative (SETI) Workshop, Lisbon, Portugal; ASSA Annual Meeting (discussant x2), Philadelphia, PA.
- 2025 British International Investment and Centre for Economic Policy Research (CEPR) Conference on The Business of Climate Technology Adoption, London, United Kingdom;

- Duke Energy Access Project's Unlocking Grid Reliability Event, Washington, DC; World Bank – M300 – VoxDev Webinar on Electricity Infrastructure (virtual); VoxDevLit Launch Webinar on Electricity Infrastructure (virtual); Association of Environmental and Resource Economists (AERE) Annual Conference, Albuquerque, NM;
- 2024 American Economic Association (AEA) Annual Meeting, Transportation and Public Utilities Group, San Antonio, TX; Wellesley College, Albright Institute for Global Affairs, Wellesley, MA; Association of Environmental and Resource Economists (AERE) Annual Conference, Washington, DC; World Bank Infrastructure Group, Washington, DC; Association for Public Policy Analysis and Management (APPAM) Fall Research Conference, National Harbor, MD; World Bank-GWU-UVA Economics of Sustainable Development Conference, Washington, DC; Triangle Resources and Environmental Economics Seminar, Raleigh, NC;
- 2023 European Associate of Environmental and Resource Economists (EAERE) 2023 Conference, Limassol, Cyprus; Private Enterprise Development in Low-Income Countries (PEDL) Workshop on Climate and Environment at MIT Sloan, Cambridge, MA; Harvard Business School, Business and Environment Initiative, Boston, MA
- 2022 American Economic Association Annual Conference (virtual); World Bank and International Growth Centre (IGC) Infra4Dev Conference (virtual); NBER Energy and Environmental Economics Spring Meeting, Cambridge, MA; University of Chicago, Economics of Energy Markets and Energy Access Conference, Chicago, IL; Duke Kunshan University and Shanghai Jiao Tong University Joint Environmental Economics Seminar Series (virtual); LSE Imperial College Workshop in Environmental Economics, London, UK; Sustainable Energy Transitions Initiative (SETI) Conference (virtual); Asian Economic Development Conference (virtual); Second International Conference on Sustainable Development in a Contemporary World, Rawalpindi, Pakistan (virtual); MIT Center for Energy and Environmental Policy Research Seminar Series, Cambridge, MA; Lahore University of Management Sciences (LUMS) MHRC "Pathways to Development" conference, Lahore, Pakistan
- 2021 University of California – Davis, Agricultural and Resource Economics (virtual); University of Virginia, Batten School, Charlottesville, VA; Energy for Economic Growth (EEG) Webinar on Energy and Productive Uses (virtual); Wake Forest University, Winston-Salem, NC; NBER, Summer Institute: IT and Digitization (virtual); SETI Annual Conference (virtual)
- 2020 Energy and Economic Growth Programme (EEG) Grid Reliability and Utility Operations Conference, Accra, Ghana; Pacific Conference for Development Economics (PACDEV), UC Berkeley, (virtual); London School of Economics (LSE) Imperial College Workshop in Environmental Economics, London School of Economics, (virtual); NBER Summer Institute, Energy and Environmental Economics (EEE). Cambridge, MA; NC State University, Agricultural and Resource Economics, Raleigh, NC. ETH Zürich, Series of Webinars in Environmental and Energy Economics and Policy (SWEEEP) (virtual); University of British Columbia (virtual)
- 2019 Sustainable Energy Transitions Initiative (SETI) Conference, Santiago, Chile; AERE Annual Conference, Incline Village, NV; Kyrgyz Research Institute for Energy and Economics, Bishkek, Kyrgyz Republic; Advances in Field Experiments (AFE)

- Conference, Chicago, IL; Harvard Environmental Economics Program (HEEP) Workshop, Cambridge, MA
- 2018 World Congress of Environmental and Resource Economists (WCERE), Gothenburg, Sweden; University of Pennsylvania, Philadelphia, PA; Oklahoma University, Norman, OK; Duke Development Conference, Durham, NC
- 2017 NBER Summer Institute, Energy and Environmental Economics (EEE), Cambridge, MA; World Bank, Applied Microeconomics Seminar, Washington, DC; Duke University Sanford School of Public Policy, Durham, NC; University of Michigan Department of Civil and Environmental Engineering, Ann Arbor, MI; Harvard University, Harvard Environment Economics Program (HEEP), Cambridge, MA; Sustainable Energy Transitions Initiative (SETI) Workshop, Durham, NC; UCSB Energy and Environmental Economics Occasional Workshop, Santa Barbara, CA
- 2016 AEA Annual Meetings, San Francisco, CA; UC Berkeley Energy Institute, Berkeley, CA; NBER Spring Meeting, Cambridge, MA; Midwest Energy Fest at Northwestern University, Evanston, IL; Sustainability Science Symposium at Harvard University, Cambridge, MA; AERE Annual Conference, Breckenridge, CO; Nepal Alternative Energy Promotion Center, Kathmandu, Nepal; International Centre for Integrated Mountain Development (ICIMOD), Kathmandu, Nepal; NBER Summer Institute – Energy and Environmental Economics, Cambridge, MA; Advances in Field Experiments (AFE) Conference, Chicago, IL; Energy for Economic Growth – South Asia Workshop, Kathmandu, Nepal; University of Chicago – Energy Policy Institute (EPIC), Chicago, IL; Heartland Conference at the University of Illinois, Champaign, IL
- 2015 New England Universities Development Conference (NEUDC) at Brown University, Providence, RI; Occasional Environmental Economics Workshop at University of California, Santa Barbara, Santa Barbara, CA; Heartland Conference at the University of Illinois, Champaign, IL; AERE Annual Conference, San Diego, CA
- 2014 Northeastern University, Boston, MA; Erb Institute at the University of Michigan, Ann Arbor, MI; AAEA Annual Meeting, Minneapolis, MN; Harvard Environmental Economics Program Research Workshop, Cambridge, MA; APPAM Annual Meeting, Albuquerque, NM; Heartland Conference at the University of Illinois, Champaign, IL
- 2013 AEA Annual Meetings (discussant), San Diego, CA; Michigan State University, Dept. of Agricultural, Food, and Resource Economics, East Lansing, MI; Midwest International Economic Development Conference (MWIEDC) at University of Wisconsin, Madison, WI; NEUDC at Dartmouth College, Hanover, NH
- 2012 Association for Public Policy and Management (APPAM) Annual Research Conference (discussant), Baltimore, MD; CU Environmental and Resource Economics Workshop, Vail, CO; University of Michigan, School of Natural Resources and Environment, Ann Arbor, MI; RAND, Washington, DC; International Water Management Institute, Delhi, India; University of South Carolina, Columbia, SC; University of Hawaii, Manoa, HI
- 2009- Harvard Development Economics Seminar, Cambridge, MA; NEUDC at Yale University,
2011 New Haven, CT; Harvard Environmental Economics Program seminar, Cambridge, MA; Sustainability Science Program, Cambridge, MA; Campbell Collaboration Colloquium, Oslo, Norway

TEACHING PERFORMED*Graduate level teaching at Duke University*

Pub Pol 572/ENERGY 572 Impact Evaluation in Energy & Development (2019, 2020, 2023, 2025, 2027)

Pub Pol 813 Quantitative Evaluation Methods (2019, 2020, 2021, 2022 (x2), 2023, 2025 (x2), 2026, 2027)

Pub Pol 792 PhD-level Applied Economics in Energy & Development Economics (2023, 2025)

Undergraduate level teaching at Duke University

Pub Pol 303D.002 Microeconomics Policy Tools (2017)

Graduate level teaching at University of Michigan

NRE 501.05 Environment & Development: Methods & Applications (2013, 2015, 2016, 2017)

Undergraduate level teaching at University of Michigan

ENVIRON 235 Economics of Natural Resources and Environment (2013, 2015, 2016)

Graduate level teaching at Harvard University

Environmental and Resource Economics and Policy (2011 Teaching Fellow for Prof. R. Stavins)

PROFESSIONAL SERVICE*Professional memberships:*

American Economic Association (AEA) (2011–)

Association of Environmental and Resource Economists (AERE) (2011–)

Professional association volunteering:

AEA, American Economic Journal: Applied Economics, Associate Editor (2026–)

AERE, Communications Committee, Member (2025–)

Mentoring & expert volunteer:

Camp Resources – Faculty mentor (2025)

International Growth Centre (IGC) - DevLab Coaching Series, coaching researchers based in low-income countries on grant proposal writing (August and October 2021)

Energy for Growth Hub, Energy Metric Expert Working Group (2019)

Ad-hoc journal referee: American Economic Review; Quarterly Journal of Economics; Journal of Political Economy; American Economic Review - Insights; American Economic Journal: Applied Economics; Economic Journal; Journal of Public Economics; Journal of Development Economics; American Journal of Agricultural Economics; American Economic Journal: Economic Policy; Energy Economics; Energy Journal; Energy Policy; Economic Development and Cultural Change; Environment and Development Economics; Journal of Economic Behavior & Organization; Journal of Environmental Economics and Management; Journal of the Association of Environmental and Resource Economists; Journal of Human Resources; Resource and Energy Economics; Review of Economics and Statistics; World Development; Journal of Development Studies.

Ad-hoc grant reviewer: J-PAL Air and Water Labs reviewer; J-PAL King Climate Action Initiative (K-CAI) reviewer; Private Enterprise Development in Low-Income Countries (PEDL) Major Research Grant proposal reviewer; AERE Annual Conference Papers; World Congress of Environmental and Resource Economics (WCERE) Conference Papers; International Initiative for Impact Evaluation (3ie) grant review; South Asian Network for Development and Environment Economists (SANDEE) grant review.

Webinars and Podcasts:

Presenter. “Incorporating GIS and remotely sensed data to estimate the impacts of renewable energy and energy technologies. Example from Nepal.” May 5, 2022. RTAC network.
 Panelist. “What is the impact of using smart/pre-paid domestic electricity meters?” March 15, 2022. Energy and Economic Growth Webinar series.
 Panelist. “Does energy access promote economic growth? A look at the evidence,” October 13, 2021. Energy and Economic Growth Webinar Series.
 Presenter. “The Microeconomics of Energy Access: Foundations for Energy Data Analytics,” September 17, 2021. Duke University Energy Initiative YouTube channel.
 Podcast interviewee, “A Small Green Idea to Power Rural Nepal” *Duke Ways and Means Podcast*, S4 Episode 3. March 20, 2019.

UNIVERSITY SERVICE (*service since Duke appointment*)

Triangle Resource and Environmental Economics (TREE) Seminar

- Co-organizer of seminar co-hosted by Duke University, North Carolina State University and RTI International (2022-2023)

Duke University

- Member, Faculty search committee at Nicholas School of the Environment (2024 – 2025)

Sanford School of Public Policy

- Director of Graduate Studies, Master of International Development Program (2026-)
- Member, Master of International Development Program Advisory Committee (2026)
- Member, Committee on Sanford Teaching (COST) (2024 – 2025)
- Admissions committee member, University Program in Environmental Policy (UPEP) (2017-2019)
- Super committee member, Economics Faculty Search (2018, 2019, 2022)
- Panelist, “Career Success at a Policy School: Women in Academia” (2018)
- Committee member, Undergraduate Awards (2019)

Faculty Advisory Committee, Nicholas Institute for Energy, Environment, and Sustainability (formerly the Duke Energy Initiative) (2017 – present)

- Faculty contributor, Bass Connections course ENERGY 395/795 (2018, 2019, 2020, 2021, 2022, 2023)
- Co-organizer, Duke Energy Initiative PhD Student Fellows Program (2017- 2020)
- Grant proposal reviewer, EI Pilot grants program (2018, 2019, 2020)
- Energy & Environment proposal reviewer, Bass Connections (2017, 2018, 2019, 2020)
- Webinar, Energy Data Analytics Lab fellows (2021)
- Faculty Advisor, Data+ Project “Algorithms to Detect Electricity Theft” (2019)

- Panelist, Duke Energy Week (2017)

Faculty Affiliate, James E. Rogers Energy Access Project (EAP) (2017 – present)

- Panelist, Unlocking Grid Reliability Event, Washington, DC Washington, DC (2025)
- Panel leader at EAP launch event, Washington, DC (February 2018)
- Panelist addressing energy access and productive use at EAP convening of academics and policymakers, Washington, DC (February 2019)
- Reviewer, SETI Publication Workshop, Santiago, Chile (May 2019)
- Panelist addressing use of data analytics in energy access at EAP convening of academics and policymakers, Washington, DC (December 2019)

OTHER EXPERIENCE

2016-	Asian Development Bank (ADB), Consultant, Impact Evaluation Specialist & Energy Economist
2007-2009	Innovations for Poverty Action (IPA) and Harvard University, Research Assistant for Professors Rema Hanna and Michael Kremer
2006	Fulbright Program, U.S. Student Fellow in Kyrgyz Republic
2005-2006	UN Development Programme (UNDP) Energy and Environment Group, Consultant
2005	UN Framework Convention on Climate Change (UNFCCC), Consultant
2004	Resources for the Future (RFF), Research Intern
2003-2005	UNDP Public-Private Partnerships for the Urban Environment, Newsletter Editor
2000-2002	Peace Corps Kazakhstan, Environmental Education Volunteer
2000	Rhode Island Department of Environmental Management, Research Assistant
1999	Rhode Island Department of the Attorney General, Research Intern