

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>Mark and Lynne Florian Assistant Professor of Public Policy</i> <i>Assistant Professor (On leave 2023-2024)</i>	2023- 2017-
Harvard Business School, Institute for Study of Business in Global Society <i>Visiting Climate Fellow</i>	2023-2024
University of Michigan, School of Natural Resources and Environment <i>Assistant Professor of Environmental Economics</i>	2012-2017
International Centre for Integrated Mountain Development (ICIMOD), Nepal <i>Visiting Scientist</i>	2016-2018
University of Chicago, Energy Policy Institute of Chicago <i>Visiting Researcher</i>	Fall 2016

RESEARCH AFFILIATIONS

<i>Research Affiliate</i> , Abdul Latif Jameel Poverty Action Lab (J-PAL), MIT	2022-
<i>Faculty Advisor</i> , Nicholas Institute for Energy, Environment & Sustainability	2017-
<i>Faculty Associate</i> , James E. Rogers Energy Access Project	2017-
<i>Affiliate</i> , Duke Center for International Development (DCID)	2017-
<i>Affiliate</i> , Environment for Development (EfD)	2017-
<i>Doctoral Fellow</i> , Harvard Sustainability Science Program	2009-2012
<i>Doctoral Fellow</i> , Harvard Environmental Economics Program	2006-2012

EDUCATION

Harvard University, Kennedy School of Government, Ph.D., Public Policy Research fields: Environmental Economics, Development Economics Dissertation committee: Rohini Pande (chair), Rema Hanna, Michael Kremer <i>Dissertation</i> : “The Economics of Household Water Access in Developing Countries”	2012
Yale University, School of Forestry and Environmental Studies, Master of Environmental Management, in Water Science, Policy & Management <i>Thesis</i> : “International Development and Integrated Water Resources Management”	2005
Brown University, Bachelor of Arts, Political Science	2000

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

- R. Meeks**, H. Thompson, Z. Wang, 2024. “Decentralized Renewable Energy to Grow Manufacturing? Evidence from Microhydro Mini-grids in Nepal,” *Journal of Environmental Economics and Management*, accepted.
- H. Ahmad, A. Ali, **R. Meeks**, Z. Wang, and J. Younas. 2024. “Down to the Wire: Leveraging Technology to Improve Electric Utility Cost Recovery,” *American Economic Journal: Applied Economics*, conditionally accepted.
- 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.

ARTICLES UNDER PEER REVIEW

R. Meeks, J. Pless, Z. Wang. 2024. “Can Digitalization Improve Public Services? Evidence from Innovation in Energy Management,” MIT CEEPR Working Paper 2023-22. *Revise & resubmit at Management Science.*

WORKING PAPERS (authors ordered alphabetically)

M. Mahadevan, R. McCord, **R. Meeks**, and M. Pradhananga. 2024. “The Demand for Electric Cooking: Evidence from a Randomized Experiment in Nepal.”

H. Ahmad, A. Ali, **R. Meeks**, Z. Wang, and J. Younas. 2024. “Heat, Electricity Infrastructure, and Household Responses in Pakistan.”

A. Ali, **R. Meeks**, M. Vagliasindi, and J. Younas. 2024. “Do Households Respond to Electricity Price Signals? Evidence from Pakistan.”

S. McRae and **R. Meeks**. 2016. “Price Perception and Electricity Demand with Nonlinear Tariffs.”

WORK IN PROGRESS (authors ordered alphabetically)

M. Mahadevan, R. McCord, **R. Meeks**, and M. Pradhananga. “Smart Meters and Electricity Services: Evidence from Nepal.”

H. Ahmad, A. Ali, **R. Meeks**, Z. Wang, and J. Younas. “Information and Behavioral Approaches to Increase Electricity Payment and Reduce Pollution from Electricity in Pakistan.” *AEA RCT Registry ID AEARCTR-0010817.*

U. Chakravorty, S. Laszlo, **R. Meeks**, M. Pelli, and M. Pradhananga. “Behavior Change and Electric Cooking in Nepal.”

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

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 (monetary values included for awards after Duke appointment)

- 2024 *Asian Development Bank (ADB)* (\$130,000) Co-PI: “Impact Evaluation: Encouraging Electric Cookstove Adoption and Use in Nepal.” (PIs: M. Pradhananga and M. Pelli).
 2023 *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.”
 2022 *Duke University Social Science Research Institute (SSRI) Grant* (\$25,000) PI: “Approaches to Reduce Losses and Pollution from Electricity Provision in Pakistan.”
 2022 *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).
 2020 *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.”
 2019 *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.”

- 2018 *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.”
- 2017 *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).
- 2016 *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).
- 2011 *Harvard University Dissertation Completion Fellowship*.
- 2010 *Harvard Davis Center for Russian and Eurasian Studies Research Grant*.
- 2009 *Harvard Center for International Development Research Grant*.
- 2009 *Taubman Center for State and Local Government Dissertation Fellowship*.
- 2008 *Harvard Sustainability Science Program Giorgio Ruffolo Fellowship*.
- 2007 *Norberg-Bohm Fellowship for Science, Technology and Public Policy*.
- 2007 *Crumph Fellowship for Environment and Natural Resource Management*.
- 2006 *Harvard Kennedy School Pre-doctoral Fellowship*.
- 2005 *Hixon Center for Urban Sustainability Research Award*.
- 2004 *Yale Carpenter-Sperry Mellon Research Award*.

PRESENTATIONS

- 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 [scheduled]; World Bank-GWU-UVA Economics of Sustainable Development Conference, Washington, DC [scheduled]; Triangle Resources and Environmental Economics Seminar, Raleigh, NC [scheduled];
- 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
2011 University, 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 590S/ENERGY 590S Impact Evaluation: Energy and Development (2019, 2020; 2023)

Pub Pol 813 Quantitative Evaluation Methods (2019, 2020, 2021, 2022 (x2), 2023)
 Pub Pol 792.09 PhD Independent Study, Energy and Development Economics (2023)

Undergraduate level teaching at Duke University

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

Graduate level teaching at University of Michigan

NRE 501.059A&B Environment and Development I & II: Impact Evaluation Methods and 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

Editorial role: Senior Editor, VoxDevLit “Electricity Infrastructure” (2024–)

Professional memberships: American Economic Association (AEA) (2011–); Association of Environmental and Resource Economists (AERE) (2011–)

Expert volunteer:

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)

Webinar contributor:

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.

Ad-hoc journal referee: American Economic Review; Quarterly Journal of Economics; American Economic Review - Insights; American Economic Journal: Applied Economics; Journal of Public Economics; Journal of Development Economics; American Journal of Agricultural Economics; American Economic Journal: Economic Policy; Economic Journal; 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 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.

UNIVERSITY SERVICE

At Duke University:

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)

Sanford School of Public Policy

- PhD 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)
- Podcast interviewee, “A Small Green Idea to Power Rural Nepal” *Duke Ways and Means Podcast*, S4 Episode 3. March 20, 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)

- 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)

At University of Michigan:

University of Michigan Energy and Environmental Economics Seminar

- Co-organizer, cross-university seminar hosted by economics department and environment and public policy schools (2015-2016)

School of Natural Resources and Environment

- Faculty Search Committee Member (2015, 2016)
- Environmental Policy & Planning Admissions Committee (2013-2017)
- Coverdell Peace Corps Scholarship Panel (2015, 2016, 2017)
- Masters Project Proposal Review (2016, 2017)

Weiser Center for Russian, Eastern European & Eurasian Studies

- Post-doctoral Review Committee (2017)

PHD DISSERTATION SUPERVISION (*with initial placement, * denotes chair or co-chair*)*Graduates from University of Michigan:*

2016 Michael R. McWilliams (University of Michigan, RSQE)

2016 Hope Thompson* (FEMA, Office of Policy and Program Analysis)

Graduates from Duke University:

2019 Faraz Usmani (Mathematica)

2019 Yating Li (McKinsey & Company)

2020 Emily Pakhtigian (Asst Professor, Pennsylvania State University, Public Policy School)

2024 Zhenxuan Wang* (Asst Professor, North Carolina State University, Agriculture & Resource Economics)

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