

SHAN ZHOU

Assistant Professor
Department of Political Science
Purdue University
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ACADEMIC POSITIONS

8/2023 –	Assistant Professor	Department of Political Science, Purdue University
8/2018 – 8/2023	Assistant Professor	Department of Social Sciences, Michigan Technological University
2016 – 2017	Visiting Assistant Professor	School of Public and Environmental Affairs, Indiana Univ. - Purdue Univ. Indianapolis

EDUCATION

Ph.D. (2016)	Public Policy	Georgia Institute of Technology
	<u>Dissertation:</u> <i>Three Essays on Clean Energy Technology Diffusion and Policy Innovations</i>	
	<u>Committee:</u> Drs. Marilyn A. Brown (Chair), Daniel C. Matisoff, Gordon A. Kingsley, Erik P. Johnson, and Valerie M. Thomas	
	<u>Minor:</u> Statistics	
M.S. (2012)	Public Policy	Georgia Institute of Technology
M.S. (2009)	Environmental Sciences, Policy and Management	European Commission Erasmus Mundus Program (MESPOM)
B.S. (2007)	Environmental Sciences	Beijing Normal University

EDITORIAL POSITIONS

Editorial board, *Review of Policy Research* (2021-)
Editorial board, *Energy Sources, Part B: Economics, Planning, and Policy* (2021-)
Editorial board, *China Policy Journal* (2024-)
Guest editor, *The Electricity Journal* (2024) - Special Issue: Advancing Equity and Justice in the Electric Power Sector: Emerging Policies, Programs, and Projects Across the Globe

AREAS OF INTEREST

Environmental and energy policy, clean technology adoption, environmental and energy justice, urban environmental governance, policy process, policy analysis, quantitative research methods

RESEARCH GRANT FUNDING & PENDING PROPOSALS

Funded

- “*Design Innovative Policy Instruments to Promote Equitable and Effective Low-carbon Energy Infrastructure Investment in Rural Communities across the U.S.*” (PI), NOAA Regional Integrated Sciences and Assessments (RISA) 2022, 09/2022-08/2024 –(**\$146,920**)
- “*Incorporating LEED into Local Green Building Policies: The Blurred Boundary between Voluntarism and Regulation*” (PI), the Ralph E. Power Junior Enhancement Award, Oak Ridge Associated Universities (ORAU), 10/2020 –10/2021 –(**\$10,000**)
- “*Examining the Inequalities of US Energy Policy Outcomes: The Spatial Distribution of Clean Energy Infrastructure and Environmental Benefits*” (PI), Michigan Tech Research Excellence Fund (REF) - Research Seed Grants (RS), 01/2020-12/2022 –(**\$15,000**)
- “*Mapping and Modeling Desertification and Its Impact on Anthropogenic Dust and Health-related External Costs in Central Asia*” (Co-PI), NASA Research Opportunities in Space and Earth Sciences (ROSES) 2019, 05/2021-04/2023 –(**\$449,378**)
- “*Distributed Resource Recovery and Remediation of Per- and Polyfluoroalkyl Substances (DR3PFAS)*” (Co-PI), Michigan Tech Great Lakes Research Center and Institute for Computing and Cybersystems (GLRC-ICC) Rapid Seedling Research Fund (spring 2023) – (**\$10,000**)

Pending & Work in Progress

- “*Understand the Carbon-Infrastructure-Citizen System for Effective and Equitable CCUS Governance*” (Co-PI), Submitted to NSF DISES in Nov 2023. – (\$1.8 million)
- “*Collaborative: SAI: SYN&GO: Synergistic Milestones of Flexible and Networked Power Infrastructure with Collaborative Governance in a Hurricane-Prone Area*” (PI), To be submitted to NSF SAI in mid-March 2024. – (\$750K)
- “*Understanding the Policy Design and Effectiveness of Local Climate Adaptation Actions in the United States*” (PI), To be submitted to NOAA AdSci in late March 2024. - (\$300K)

PEER REVIEWED PUBLICATIONS

* indicates a graduate student co-author

1. **Zhou, S.**, Gao, X., Wellstead, A. & Kim, D.* (2023). Operationalizing Social Equity in Public Policy Design: A Comparative Analysis of Solar Equity Policies in the United States. *Policy Studies Journal*. <https://doi.org/10.1111/psj.12505>

2. Wang, Z., Saxena, N., Yu, T., Karki, S., Zetty, T., Haque, I., **Zhou, S.**, Kc, D., Stockwell, I., Wang, X., Bifet, A. & Zhang, W. (2023). Preventing Discriminatory Decision-making in Evolving Data Streams. In *Proceedings of the 2023 ACM Conference on Fairness, Accountability, and Transparency* (pp. 149-159). <https://doi.org/10.1145/3593013.3593984>
3. Zhong, H., **Zhou, S.**, Zhao, Z., Zhang, H., Nie, J. & Simayi, P. (2022). An Empirical Study on the Types of Consumers and Their Preferences for E-Waste Recycling with a Points System. *Cleaner and Responsible Consumption*. 100087. <https://doi.org/10.1016/j.clrc.2022.100087>
4. Gao, X., & **Zhou, S.** (2022). Solar Adoption Inequality in the US: Trend, Magnitude, and Solar Justice Policies. *Energy Policy*, 169, 113163. <https://doi.org/10.1016/j.enpol.2022.113163>
5. Lu, H.* and **Zhou, S.** (2022). Using Policy Goal Ambiguity to Manage Policy Goal Conflicts: Sponge-City Program Implementation in Old Neighbourhoods. *Journal of Asian Public Policy*, <https://doi:10.1080/17516234.2022.2060061>
6. Geglio, T.*, Bradley, T., Williams, T., **Zhou, S.**, Watkins, D., and Minakata, D. (2021). Water- and Energy-Efficient Appliances for Circular Water Economy: Conceptual Framework Development and Analysis of Greenhouse Gas Emissions and Water Consumption. *ACS ES&T Engineering*. <https://doi:10.1021/acsestengg.1c00243>
7. **Zhou, S.** and Solomon, B. D. (2021). The Interplay between Renewable Portfolio Standards and Voluntary Green Power Markets in the United States. *Renewable Energy*, 178, 720-729. <https://doi.org/10.1016/j.renene.2021.06.110>
8. **Zhou, S.** and Liang, J. (2021). Migrant Workers and Environmental Amenities and Infrastructure in Urban China: From the Lens of Environmental Justice. *Journal of Environmental Policy & Planning*, 23:6, 781-795. <https://10.1080/1523908X.2021.1920379>
9. Solomon, B.D. and **Zhou, S.** (2021). Renewable Portfolio Standards: Do Voluntary Goals vs. Mandatory Standards Make a Difference? *Review of Policy Research*, 38: 146-163. <https://doi.org/10.1111/ropr.12424>
10. **Zhou, S.** (2021). The Effect of Smart Meter Penetration on Dynamic Pricing: Evidence from the United States. *The Electricity Journal*, 34(3). <https://doi.org/10.1016/j.tej.2021.106919>
11. Lu, H.*, Mayer, A. L., **Zhou, S.**, and Wellstead, A. (2021). Unveiling the Quasi-public-private Partnership (QPPP): Evidence from China's Environmental Service Sector. *Journal of Environmental Policy & Planning*, 1-15. <https://doi:10.1080/1523908X.2021.1880315>
12. Curley, C., Harrison, N. *, Kewei Xu, C., and **Zhou, S.** (2020). Collaboration Mitigates Barriers of Utility Ownership on Policy Adoption: Evidence from the United States. *Journal of Environmental Planning and Management*, 1-21. <https://doi.org/10.1080/09640568.2020.1755241>.
13. **Zhou, S.**, and Solomon, B. D. (2020). Do Renewable Portfolio Standards in the United States Stunt Renewable Electricity Development beyond Mandatory Targets? *Energy Policy*, 140, 111377. <https://doi.org/10.1016/j.enpol.2020.111377>.

14. Zhao, S., **Zhou, S.** and Noonan, D. (2019). Environmental Justice and Green Schools – Assessing Students and Communities’ Access to Green Schools. *Social Science Quarterly*, 100: 2223-2239. <https://doi.org/10.1111/ssqu.12715>.
15. Lu, H.* , Mayer, A. L., Wellstead, A. M., and **Zhou, S.** (2019). Can the Dual Identity of Policy Entrepreneur and Policy Implementer Promote Successful Policy Adoption? Vertical Greening Policymaking in Shanghai, China. *Journal of Asian Public Policy*, 1-16. <https://doi.org/10.1080/17516234.2019.1631241>.
16. **Zhou, S.** and Noonan, D. (2019). Justice Implications of Clean Energy Policies and Programs in the United States: A Theoretical and Empirical Exploration. *Sustainability*, 11(3), 807. <http://doi.org/10.3390/su11030807>.
17. **Zhou, S.**, Matisoff, D., Kingsley, G., and Brown, M. (2019). Understanding Renewable Energy Policy Adoption and Evolution in Europe: The Impact of Coercion, Normative Emulation, Competition, and Learning. *Energy Research & Social Science*, 51, 1-11. <http://doi.org/10.1016/j.erss.2018.12.011>.
18. Brown M., **Zhou S.** and Ahmadi M. (2018). Smart Grid Governance: An International Review of Evolving Policy Issues and Innovations. *WIREs Energy Environ* 7(5): e290. <https://doi.org/10.1002/wene.290>.
19. Noonan, D., **Zhou, S.** and Kirkman, R. (2017). Making Smart and Sustainable Infrastructure Projects Viable: Private Choices, Public Support, and System Constraints. *Urban Planning* 2(3): 18-32. <http://dx.doi.org/10.17645/up.v2i3.999>.
20. **Zhou, S.** and Brown, M. (2017). Smart Meter Deployment in Europe: A Comparative Case Study on the Impacts of National Policy Schemes. *Journal of Cleaner Production* 144: 22-32. <https://doi.org/10.1016/j.jclepro.2016.12.031>.
21. **Zhou, S.** and Matisoff, D. C. (2016). Advanced Metering Infrastructure Deployment in the United States: The Impact of Polycentric Governance and Contextual Changes. *Review of Policy Research* 33(6): 646-665. <https://doi.org/10.1111/ropr.12203>.
22. Brown, M. and **Zhou, S.** (2013). Smart-grid Policies: An International Review. *Wiley Interdisciplinary Reviews: Energy and Environment* 2(2): 121-139. <https://doi.org/10.1002/wene.53>.

JOURNAL ARTICLES IN REVISION & UNDER REVIEW

Zhou, S., Solomon, B.D., & Brown, M. “The Spillover Effect of Renewable Portfolio Standards”
2nd round revision submitted to *PNAS*.

WORK IN PROGRESS

* indicates a graduate student co-author

Bernard, M. *, **Zhou, S.** and Li, Z. “Wind Turbines and Public Attitudes towards Climate Change”

Li, Z. and **Zhou, S.** “Environmental Justice Co-benefits of Renewable Portfolio Standard”

Kim, D. * and **Zhou, S.** “Understanding the Adoption and Revision of State Renewable Portfolio Standard”

Kim, D.*, Wellstead, A. and **Zhou, S.** “Identifying Factors Influencing U.S. Community Solar Adoption Using a Fuzzy-Set Qualitative Comparative Analysis”

Kim, D. * and **Zhou, S.** “Effectiveness of LEED Certification on Building Energy Performance: Empirical Evidence of the New York City”

Zhou, S., Noonan, D., Zhao, S. & Glasgow, D. “The Impact of Local Green Building Policies on LEED Certified Building Adoptions”.

Zhou, S. “The Distributional Impact of Local Zoning Ordinance”

Zhou, S. & Carter, A. “Environmental Justice and the Siting of Electricity Generating Facilities in the U.S.: Temporal Trends in 2000 and 2015”.

Zhao, S., Glasgow, D., Noonan, D. and **Zhou, S.** Are Green Building Just? An Assessment of the Spatial Distribution of LEED Buildings in Traditionally Disadvantaged Communities in the United States.

Mualefhe, W.* & **Zhou, S.** “Who are Leveraging Municipal Green Bond for Sustainable Development: Empirical Evidence from California”.

REFEREED CONFERENCE PRESENTATIONS

“The Distributional Impact of Local Zoning Ordinance”. Conference on Policy Process Research (COPPR) 2024. Syracuse, NY. May 14-17, 2024. (Accepted)

“The Impact of local green building policies on LEED certified building adoptions”. 2024 MPSA. In-person. Chicago, IL. April 4-7, 2024. (Accepted)

“Analysis of US Community Solar Adoption Using a Fuzzy-Set Qualitative Comparative Analysis”. 2024 MPSA. In-person. Chicago, IL. April 4-7, 2024. (Accepted; Presenting author: PhD advisee)

“Strategic Planning in Establishing Future Grid Resilience”. IEEE ISGT LA. In-person. Puerto Rico. Nov 8, 2023. (Presenting author: collaborator)

“The Spillover Effect of Renewable Portfolio Standards”. 2023 APPAM Fall Research Conference. In-person. Atlanta, GA. Nov 9-11, 2023.

“Integrating Justice Considerations in Energy Policy Design: Empirical Evidence from Solar Justice Policies in the U.S.” International Conference on Public Policy Design. Miami, FL. Feb 23-25, 2023.

“Who Are Leveraging Municipal Green Bond for Sustainable Development: Empirical Evidence from California and New York”. 2022 APPAM Fall Research Conference. In-person. Washington DC. Nov 17-19, 2022. (Presenting author: PhD advisee)

“The Impact of Local Zoning Ordinance Design on Wind Development”. 2022 APPAM Fall Research Conference. In-person. Washington DC. Nov 17-19, 2022.

“Grid Modernization Policies in California: Integration of Policy Goals, Instruments and Subsystems”. 79th Annual MPSA Conference. Virtual. April 7-10, 2022. (Presenting author: PhD advisee)

- "Integrating Justice Considerations in Energy Policy Design: An Analysis of Solar Justice Policies in the U.S.". 2021 APPAM Fall Research Conference. Hybrid. Austin, TX. March 27-29, 2022.
- "Solar Adoption Inequality in the U.S.: Magnitude, Trend, and Energy Justice Solar Policies". 2021 APPAM Fall Research Conference. Hybrid. Austin, TX. March 27-29, 2022. (Presenter: coauthor)
- "The Interplay between Renewable Portfolio Standards and Voluntary Green Power Markets in the United States". 78th Annual MPSA Conference. Virtual. April 14-18, 2021.
- "Renewable Portfolio Standards: Do Mandatory Standards Vs. Voluntary Goals Make a Difference?" 2020 APPAM Fall Research Conference. Virtual. November 11-13, 2020.
- "The Never-ending Story: Cleaning up the Great Lakes' PCBs". IAGLR's 63rd Annual Conference on Great Lakes Research. Winnipeg, Canada. June 8-12, 2020. (Accepted; Conference canceled due to Covid19)
- "Incorporating LEED into Local Green Building Policies: The Blurred Boundary Between Voluntarism and Regulation". Invited presentation. Annual MPSA Conference Working Group "Institutions and Local Environmental Policy". Chicago, IL. April 16-19, 2020. (Canceled due to Covid19)
- "Migrants, Bureaucratic Career Motivation, and Environmental Amenities in Urban China" Annual MPSA Conference. Chicago, IL. April 16-19, 2020. (Canceled due to Covid19)
- "The Impact of Clean Energy Transition on the Unequal Distribution of Air Pollution Burdens across Communities in the United States". 2019 American Geophysical Union (AGU) Conference. San Francisco, CA. December 9-13, 2019. (Accepted & withdrawn)
- "Why do Schools Go Green? – Assessing State and Local Policy Effectiveness on Green School Building Infrastructure". 2019 APPAM Fall Research Conference. Denver, CO. November 7-9, 2019.
- "Can the Dual Role of Policy Entrepreneur and Policy Implementer Improve the Success of Vertical Greening Policy Adoption? Case of Shanghai, China." The 4th Edition of the International Conference on Public Policy. Montreal, Canada. June 26-28, 2019. (Presenting author: PhD advisee)
- "Accessing Urban Green Space and Environmental Facilities: Empirical Evidence from China" The 77th Annual MPSA Conference. Chicago, IL. April 4-7, 2019.
- "Understanding Utility Grid Modernization Efforts in the United States: Technology in Place vs. Technology in Use". 2018 APPAM Fall Research Conference. Washington, D.C. November 8-10, 2018.
- "The Influence of City-Utility Collaboration on Local Level Energy-Related Policy Adoption". (Poster). 2018 APPAM Fall Research Conference. Washington, D.C. November 8-10, 2018. (Presenter: coauthor)
- "A Green Classroom Environment? – Assessing Students and Communities' Equitable Access to Green Schools." 2018 APPAM Fall Research Conference. Washington, D.C. November 8-10, 2018. (Presenter: coauthor).

- "Justice Implications of Clean Energy Policies: Using Data in a Multi-Level Analysis in the United States to Inform Policy Choices." The Environmental Policy Seminar, School of Public and Environmental Affairs (SPEA) at Indiana University, Bloomington. 13 April 2018. (Presenter: coauthor).
- "The Influence of City-Utility Collaboration on Local Level Energy-Related Policy Adoption". The 76th Annual MPSA Conference. Chicago, Illinois. April 5-8, 2018. (Accepted & withdrawn).
- "How Does Heterogeneity of Potential Adopters Affect Clean Energy Technology Diffusion: An Empirical Analysis of Smart Grid Roll Out in the United States". Southern Economic Association 87th Annual Meeting. Tampa, Florida. November 17-19, 2017. (Presenter: coauthor).
- "Justice Implications of Clean Energy Policies: Using Data in a Multi-Level Analysis in the United States to Inform Policy Choices". 2017 APPAM Fall Research Conference. Chicago, Illinois. November 2-4, 2017.
- "Understanding Pressures for Renewable Energy Policy Adoption and Evolution: Coercion, Emulation, Competition and Learning". The 2017 Environmental Politics & Governance (EPG) Conference, Bloomington, Indiana. June 21-24, 2017. (Presenter: coauthor).
- "Political Redistribution of the ARRA Funding: An Analysis of Community Access to Smart Grid Systems and Services". The 54th Annual Meetings of the Public Choice Society. New Orleans, Louisiana. March 2-4, 2017.
- "Advanced Metering Infrastructure Deployment in the United States: The Impact of Multi-tiered Governance and Contextual Changes". 2015 APPAM Fall Research Conference. Miami, FL. November 12-14, 2015.
- "Wind Energy and Negative Pricing: Is Production Tax Credit to Blame?" The 5th Annual Energy Policy Research Conference. Denver, CO. September 10-11, 2015. (Presenter: coauthor).

INVITED WORKSHOPS & PRESENTATIONS

- Michigan Tech Environmental Engineering Graduate Seminar. Oct 17, 2022. Houghton, MI.
- Michigan Tech Tech Forward Initiative on Sustainability and Resilience C-squared Panel Discussion on Circular Economy Research. Oct 13, 2022. Houghton, MI.
- U.S. Department of Energy Roundtable on Equitable Deployment and Demonstration. Aug 25, 2021. Virtual.
- Michigan Public Service Commission MI Power Grid New Technologies and Business Models Workshop. March 24, 2021. Virtual.
- U.S. Green Building Council Fall Equity Summit "Equitable Access" Panel. Oct 8, 2020. Virtual.
- Michigan Tech School of Business and Economics Seminar. Feb 11, 2020. Houghton, MI.

- Research Coordination Networks (RCN) – National Science Foundation-Supported Sustainability Research Network (SRN) – Sustainable Healthy Cities. Municipal Utilities Workshop: Aligning City Needs with Research Opportunities. Oct 17-18, 2016. Tallahassee, FL.

AWARDS, HONORS & FELLOWSHIPS

- Purdue University College of Liberal Arts ASPIRE Travel Award (\$1,500) X2, Fall 2023
- Top 10% of MTU Instructors (based on student teaching evaluations)
 - SS5350 *Environmental Policy Analysis*, Fall 2020
 - SS3630 *Environmental Policy & Politics*, Spring 2022
- The Ralph E. Power Junior Enhancement Award (\$10,000), Oak Ridge Associated Universities (ORAU), 2020
- Political Economy and Environmental Research Fellowship (\$100,714), SPEA, Indiana University - Purdue University Indianapolis, 2016-2017
- Ivan Allen College of Liberal Arts Dean’s Fellowship (\$122,520), Georgia Institute of Technology, 2012-2016
- Ivan Allen College of Liberal Arts Graduate Student Travel Award (\$300), Georgia Institute of Technology, 2015
- Georgia Tech Program in Science, Technology and Innovation Policy Researcher Award (\$6,000), School of Public Policy & Enterprise Innovation Institute, Georgia Institute of Technology, 2012
- Erasmus Mundus Scholarship (€42,000), European Commission, 2007-2009
- Outstanding Graduate Award, City Government of Beijing & Beijing Normal University, 2007
- Outstanding Bachelor’s Thesis Award, Beijing Normal University, 2007
- Academic Scholarship, Beijing Normal University, 2003-2007

TEACHING EXPERIENCE

Department of Political Science, Purdue University

<i>Course Title</i>	<i>Semester(s) Taught</i>	<i>Enrollment</i>
SCL 102 Transformative Texts	Spring 2024 (in person)	28
POL 623 Research Seminar in Environmental Policy	Spring 2024 (in person)	5
POL 223 Introduction to Environmental Policy	Fall 2023 (in person)	96

Department of Social Sciences, Michigan Tech

<i>Course Title</i>	<i>Semester(s) Taught</i>	<i>Enrollment</i>
SS 3630: Environmental Policy & Politics	Spring 2023 (in person)	37
	Spring 2022 (hybrid)	35

	Spring 2021 (online)	35
	Spring 2020 (online)	32
	Fall 2019 (in person)	23
	Spring 2019 (in person)	35
SS 3990: Sustainability & the Private Sector	Spring 2023 (in person)	8
	Spring 2021 (online)	1
SS 5300: Environmental & Natural Resources Policy	Fall 2019 (in person)	8
	Fall 2021 (hybrid)	14
	Fall 2022 (in person)	6
SS 5350: Environmental Policy Analysis	Spring 2022 (online)	11
	Fall 2020 (online)	12
	Fall 2018 (in person)	7
UN1025: Global Issues	Fall 2018 (in person)	90
	Fall 2020 (online)	73
	Fall 2021(hybrid)	105
SS 6500: Directed Reading	Spring 2022 (online)	1
SS 5990: Graduate Research	Spring 2022 (online)	1

School of Public and Environmental Affairs, IUPUI

<i>Course Title</i>	<i>Semester(s) Taught</i>	<i>Enrollment</i>
SPEA K300: Statistical Techniques	Fall 2016 (in person)	30
	Spring 2017 (in person)	30

STUDENT SUPERVISION

Department of Political Science, Purdue

PhD Oral Exam Committee Member:

1. Mazie Bernard (PhD candidate), Spring 2024.

Undergraduate Advising:

2. Julia Weeden (B.S., Political Science), Spring 2024, Research Assistant
3. Ismael De Lara (B.S., Natural Resources and Environmental Sciences), Spring 2024, Research Assistant (unpaid)

Department of Social Sciences, Michigan Tech

Primary Advisor:

4. Dane Kim (Environmental and Energy Policy, PhD). Aug 2020-Dec 2023. Placement: Data Analyst/Project Engineer, Nova Consulting, NY.
5. Josephine Amponsem (Environmental and Energy Policy, PhD candidate). Aug 2020-Aug 2023.
6. Jess Applin (Environmental and Energy Policy, MS). Graduated May 2022.

Co-Advisor:

7. Wandipa La Toya Mualefhe (Environmental and Energy Policy, PhD student). Aug 2021-Aug 2023.

PhD Committee Member:

8. Emily Shaw (Environmental Engineering, PhD). Graduated Dec 2022. Placement: The John A. Knauss Marine Policy Fellowship Program, D.C.
9. Hongmei Lu (Environmental and Energy Policy, PhD). Graduated Dec 2020. Placement: Postdoctoral Researcher, Department of Human Geography and Spatial Planning, Utrecht University.
10. Roland Oduro Ofori (Environmental and Energy Policy, PhD). Graduated Dec 2020. Placement: Postdoctoral Researcher, UIUC.
11. Robert LaFave (Environmental and Energy Policy, PhD candidate). Aug 2020-Aug 2023.
12. Azmat Naseem (Environmental Engineering, PhD student). Jan 2023-Aug 2023.

MS Committee Member:

13. Zachary Solomon (Environmental and Energy Policy, MS). Graduated in Aug 2023.
14. Courtney Archambeau (Environmental and Energy Policy, MS). Graduated in May 2023.
15. Robert Zupko (Environmental and Energy Policy, MS). Graduated Aug 2020. Placement: Computational Scientist, Penn State.
16. Azat Turegeldin (Environmental and Energy Policy, MS). Graduated May 2020.
17. Madelina Dilisi (Environmental and Energy Policy, MS). May 2021-Aug 2023.
18. Nathan Coleman (Applied Ecology, MS), Aug 2021 – Aug 2023.

Undergraduate Advising:

19. Anna Johnson (B.S., Environmental Engineering), Spring 2021, Research Assistant.
20. Tyler Lynch (B.S., Cyber Security), Spring 2022, Research Assistant.
21. Austin McFarlane (B.S., Scientific and Technical Communication), Spring & Summer 2023, Research Assistant/McNair DEI Scholar.

OUTREACH

- Meeting with Energy Systems Network. Virtual, Feb 23, 2024. Invited by Paul Mitchell, CEO of Energy Systems Network.
- Indiana County Commissioners Meeting. Indianapolis, Nov 28, 2023. Invited by David A. Bottorff, Executive Director, Association of Indiana Counties.
- Art of Science Interview Series Episode 5. Virtual, Feb, 2024. Invited by *Policy Studies Journal* and Center for Policy Design and Governance at Syracuse University. <https://www.youtube.com/watch?v=Kjjw4KaO940>
- “Social and Economic Considerations of Carbon Storage and Sequestration”. Forthcoming. The Leading Edge. Society of Exploration Geophysicists (SEG). Invited Contribution.

SERVICE

Reviewing Activities

- **Reviewing Activities for Journals**

Scientific Report (2024)
Nature Energy (2024)
Applied Energy (2024)
Policy Studies Journal (2023)
Journal of Policy Analysis and Management (2023)
Public Administration Review (2022, 2023)
Policy Design & Practice (2023)
Environmental Politics (2022)
Environmental Policy & Governance (2022)
Government Information Quarterly (2022)
Urban Governance (2022)
Sustainability (2022)
Review of Policy Research (2021, 2022, 2023)
Energy Policy (2020, 2021, 2022, 2023)
Energy Research & Social Science (2021, 2022, 2023)
The Electricity Journal (2023)
Urban Affairs Review (2021)
Joule (2021)
Energies (2020, 2021)
Urban Forestry & Urban Greening (2020)
Energy Sources, Part B: Economics, Planning, and Policy (2020)
Policy Sciences (2019)
Environmental Science & Technology (2019)
Journal of Cleaner Production (2019)
Journal of Renewable and Sustainable Energy (2019)
International Journal of Mass Emergencies and Disasters (2018)

- **Reviewing Activities for Conferences**

Association for Public Policy Analysis & Management (APPAM) Fall Conference Natural Resource, Energy, and Environmental Policy Section (2019, 2020, 2021, 2022, 2023, 2024)

- **Reviewing Activities for Books**

“Virtual Information Fabrics for Built Environment Sustainability and Resilience”, Publisher: Begell House. Oct, 2021.
“100 Percent Renewable Energy: Technology, Politics and Policy”, Publisher: Elsevier. Oct, 2022.

Service to Department & University

- Reviewer for MTU Undergraduate Research Fellowship (SURF) (2018)
- MTU College of Forest Resources and Environmental Science - Ad-hoc Committee for Master of Science in Environmental Sustainability (2018-2019)
- MTU Institute for Policy, Ethics and Culture (IPEC) - Curriculum Committee (2019-present)
- MTU Department of Social Sciences Undergraduate Curriculum Committee-Sustainability Science & Society (2019-present)
- Reviewer for MTU REF Seed Grant Proposals (2020)
- MTU Department of Social Sciences Undergraduate Degree Development Committee (2021-2022)
- MTU Department of Social Sciences Governance Committee (2021-2022)
- MTU Department of Social Sciences – Developing the Online Graduate Certificate in Public Policy (2021-2022)
- MTU Department of Social Sciences Development Committee (2022-present)
- MTU Department of Social Sciences EEP Graduate Committee (2022-present)
- Purdue University Department of Political Science Public Policy Field Coordinator (fall 2023-present)
- Purdue University Department of Political Science Interdisciplinary Studies Committee Co-chair (fall 2023-present)

Professional Organization Service

- *Association for Public Policy Analysis and Management (APPAM)*
 - Panel Chair:
 - 2016 panel session: “Federalism in Environmental Governance” (#7104)
 - 2023 panel session: “Policy Design in the Public Policy Process” (#18312)
 - Panel Discussant:
 - 2016 panel session: “Addressing Challenges for the Evolving Utility” (#7222)
 - 2019 panel session: “Innovative Use of Data in Environmental Policy Study” (#12854)
 - 2021 panel session: “Energy Policy and Program Evaluation” (#16179)
 - 2022 panel session: “Climate and Environmental Governance in China” (#17115)
 - 2022 panel session: “Climate Change and Public Policy” (#17297)
 - 2023 panel session: “Policy Design in the Public Policy Process” (#18312)
 - Panel Organizer:
 - 2015 panel session: “Diffusion of Innovations: Insights from Sustainable Energy Transition in the U.S. and Europe” (#5677)
 - 2018 panel session: “Data-Driven Analysis for the Impact of Technology Adoption on Electricity Market Prices, Climate Mitigation and Energy Services” (#11004)

- 2021 panel session: “Local Sustainable Development: Policy Design, Program Participation and Distributional Impact” (#16022)
- 2023 panel session: “Policy Design in the Public Policy Process” (#18312)
- **Midwest Political Science Association (MPSA)**
 - Panel Discussant:
 - 2019 panel session: “Interest Groups & Environmental Politics”
 - 2024 panel session: “Air, Water, and Sanitation: The Politics of Collective Environmental Goods”
- **Chinese Policy Scholars Group (CPSG)**
 - Diversity, Equity and Inclusion Committee Chair (2021-present)
 - DEI Policy Advocacy Award Chair (2022-2023)

SKILLS & MEMBERSHIPS

Research Methods	Econometrics, Case Studies, Content Analysis, Cost Benefit Analysis, Life Cycle Assessment, Input-Output Analysis
Computing Software	ArcGIS, QGIS, Nvivo
Statistical Software	R, Stata, SPSS and Minitab
Memberships	Association for Public Policy Analysis & Management (APPAM), Midwest Political Science Association (MPSA), American Political Science Association (APSA), American Geophysical Union (AGU)
Certifications	Educational Technology Organization of Michigan Online Teaching Certification Course; Data Science for Public Policy Micro-Credential (Florida International University); Michigan Tech Diversity Literacy Certificate