

Mingzhou Shen

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Education

Ph.D. Energy, Environmental, and Food Economics, Pennsylvania State University	2025 (Expected)
M.S. Civil Engineering, Zhejiang University	Dec. 2019
B.E. Civil Engineering, Zhejiang University	Jun. 2016

Research Interests

Primary interests: Environmental Economics, Urban and Land Use Economics, Applied Econometrics

Secondary interests: Energy Economics, Industrial Organization

Teaching Fields

Microeconomics, Environmental and Resource Economics, Urban and Land Use Economics, Energy Economics, Applied Econometrics, Empirical Industrial Organization, Geographic Information Systems

Publications

Peer-Reviewed Journal Articles

- [1] Shen, M., Fisher-Vanden, K. and Wrenn, D. “Impacts of water-related building moratoria on California's housing crisis.” (Accepted: *Land Economics*)
- [2] Yi, N., Shen, M., Erdely, D. and Cheng, H. 2020. “Stretchable gas sensors for detecting biomarkers from humans and exposed environments.” *TrAC Trends in Analytical Chemistry*, 133, 116085.
<https://doi.org/10.1016/j.trac.2020.116085>
- [3] Lü, C., Zhang, Y., Zhang, H., Zhang, Z., Shen, M. and Chen, Y. 2019. “Generalized optimization method for energy conversion and storage efficiency of nanoscale flexible piezoelectric energy harvesters.” *Energy Conversion and Management*, 182, 34-40. <https://doi.org/10.1016/j.enconman.2018.12.058>
- [4] Zhang, H., Shen, M., Zhang, Y., Chen, Y. and Lü, C. 2018. “Identification of static loading conditions using piezoelectric sensor arrays.” *Journal of Applied Mechanics*, 85(1), 011008.
<https://doi.org/10.1115/1.4038426>

Book

- [1] FAO and CAAS. 2021. Carbon neutral tea production in China – Three pilot case studies. Rome. (Contributor). <https://doi.org/10.4060/cb4580en>

Working Papers and Work in Progress

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- [1] Shen, M. “Drought responses in the Western United States: Household location choice and housing market feedback.” *Job market paper*.
- [2] Shen, M. “The effects of droughts on land-use regulations in the Western U.S.”
- [3] Ma, Z. and Shen, M. “The stigma impact of non-GMO label on conventional unlabeled alcohol products.”

Presentations

“Drought responses in the Western United States: Household location choice and housing market feedback.” AERE Summer Conference; WEAI Annual Conference; AAEA Annual Meeting; CU Environmental and Resource Economics Workshop.

“Impacts of water-related building moratoria on California's housing crisis.” AERE Summer Conference; WEAI Annual Conference; EPG Annual Conference; Cornell NE Workshop; PSU Water Conference.

Professional Experience

Intern, Food and Agriculture Organization of the United Nations 2019

Research Experience

Pennsylvania State University, Research Assistant for Karen Fisher-Vanden 2021–Present

Teaching Experience

CED 201: Introductory Environmental and Resource Economics. *Douglas H. Wrenn*. Spring 2024

EMCH 210: Statics and Strength of Materials. *Samia Suliman*. Spring 2021

EMCH 212: Dynamics. *Christopher Kube*. Fall 2020

EMCH 212: Dynamics. *Gary Gray*. Spring 2020

Scholarships and Awards

Graduate Student Travel Grant Award, Pennsylvania State University 2023

Teaching Assistant Fellowship, Pennsylvania State University 2020

Outstanding Graduates, Zhejiang University 2016

Corporate Scholarships for Outstanding Students, Enterprises 2015/2017/2018

Service

Penn State Energy, Environmental, and Food Economics Graduate Student Association 2022-present

Penn State Water Council 2023-present

Penn State Alumni Association - Blue & White Society 2020–2023

Skills

Software: Python, R, MATLAB, Stata, ArcGIS, GAMS

Languages: English (fluent), Mandarin (native)

References

Dr. Karen Fisher-Vanden
Distinguished Professor of Environmental and
Resource Economics and Public Policy
Pennsylvania State University
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Dr. Douglas H. Wrenn
Associate Professor of Environmental and
Resource Economics
Pennsylvania State University
dhw121@psu.edu

Dr. Qin Fan
Professor of Economics
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