

# Mingzhou Shen

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## Education

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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

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

Secondary interests: Energy Economics, Industrial Organization

## Teaching Fields

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

## Publications

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### 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. *FAO*. (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. “How do droughts shape land-use regulations? Evidence from the Wharton regulation survey.”
- [3] Ma, Z. and Shen, M. “The stigma impact of non-GMO label on conventional unlabeled alcohol products.”

## Presentations

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2024:

AERE Summer Conference; WEAI Annual Conference; AAEA Annual Meeting; CU Environmental and Resource Economics Workshop; Penn State Water Conference; Penn State EEPI Seminar

2023:

AERE Summer Conference; WEAI Annual Conference; Cornell Northeast Workshop on Energy Policy and Environmental Economics

2022:

Environmental Politics and Governance Conference

## Professional Experience

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Intern, Food and Agriculture Organization of the United Nations	2019
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## Research Experience

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

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CED 201: Introductory Environmental and Resource Economics. <i>Douglas H. Wrenn</i> .	Spring 2024
EMCH 210: Statics and Strength of Materials. <i>Samia Suliman</i> .	Spring 2021
EMCH 212: Dynamics. <i>Christopher Kube</i> .	Fall 2020
EMCH 212: Dynamics. <i>Gary Gray</i> .	Spring 2020

## Scholarships and Awards

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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

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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

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

Languages: English (fluent), Mandarin (native)

## References

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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  
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Dr. Qin Fan  
Professor of Economics  
California State University, Fresno  
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