

# Mingzhou Shen

Pennsylvania State University  
308 Armsby Building  
University Park, PA 16801

Phone: (814) 996-9103  
Email: mjs7919@psu.edu  
Homepage: <https://mingzhoushen.github.io>

## Education

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Ph.D. Energy, Environmental, and Food Economics, Pennsylvania State University	2025 (Expected)
Ph.D. Engineering Science, Pennsylvania State University (voluntarily withdrew)	May. 2020
M.S. Civil Engineering, Zhejiang University	Dec. 2019
B.E. Civil Engineering, Zhejiang University	Jun. 2016

## Research Interests

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Environmental Economics, Urban and Land Use Economics, Applied Econometrics

## Teaching Fields

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Microeconomics, Environmental Economics, Urban and Land Use Economics, Energy Economics, Applied Econometrics, Geographic Information Systems

## Working Papers

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- [2] Shen, M., Fan, Q., Fisher-Vanden, K. and Wrenn, D., “Drought Responses in the Western United States: Household Location Choice and Housing Market Feedback.” *Job Market Paper*.
- [1] Shen, M., Fisher-Vanden, K. and Wrenn, D., “Impacts of Water-Related Building Moratoria on California's Housing Crisis.” *Revision and Resubmit at Land Economics*.

## Working in Progress

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- [2] Shen, M., “The Effects of Droughts on Land-Use Regulations in the Western U.S.”
- [1] Ma, Z. and Shen, M., “The stigma impact of non-GMO label on conventional unlabeled alcohol products.”

## Publications (I published papers in the field of engineering before changing my major to economics)

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- [3] 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.
- [2] 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.

[1] 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.

## Presentations

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"Drought Responses in the Western United States: Household Location Choice and Housing Market Feedback." AERE Summer Conference; WEAI Annual Conference; AAEA Annual Meeting.

"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

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Intern, Food and Agriculture Organization of the United Nations 2019

## Research Experience

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

## Teaching Experience

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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

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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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