

# 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

---

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

- 
- [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  
kaf26@psu.edu

Dr. Douglas H. Wrenn  
Associate Professor of Environmental and  
Resource Economics  
Pennsylvania State University  
dhw121@psu.edu

Dr. Qin Fan  
Professor of Economics  
California State University, Fresno  
qfan@csufresno.edu