

# Mingzhou Shen

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Country of birth: China (not married)

## EDUCATION

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**Pennsylvania State University**  
Ph.D., Applied Economics

State College, U.S.  
Expected 2024

**Zhejiang University**  
M.E., Civil Engineering  
B.E., Civil Engineering

Hangzhou, China  
Aug. 2016 - Dec. 2019  
Aug. 2012 - Jun. 2016

## RESEARCH INTERESTS

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Applied Econometrics, Environmental Economics, Urban Economics

## PUBLICATIONS (\* Indicates authors contributed equally to the paper. Google Scholar citation: 72)

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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.

## WORKING PAPERS

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- [2] Shen, M., Fisher-Vanden, K. and Wrenn, D., "Impacts of water-related building moratoriums on housing development in California." *To be submitted soon after March 2023*.
- [1] Shen, M., Fan, Q. and Fisher-Vanden, K., "Household location choices as adaptation to droughts." *Working in progress*.

## OTHER PUBLICATIONS

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- [2] Contributor to "Chinese low carbon tea production: three pilot case studies". FAO-CAAS report on low carbon tea production in China. FAO. (2020).
- [1] Contributor to "Hybrid renewable energy mini-grids for enhancing resilience and mitigating climate change: insights from the first experience in Honduras and way forward to its replication in Africa". FAO project report on sustainable rural communities. FAO. (2019).

## CONFERENCES

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- [3] Shen, M., Fan, Q., and Fisher-Vanden, K., "Household location choices as adaptation to droughts." 98<sup>th</sup> Western Economics Association Annual Conference, San Diego, CA, July 2<sup>nd</sup>-July 6<sup>th</sup>, 2023 (scheduled).

[2] Shen, M., Fisher-Vanden, K. and Wrenn, D.H., “Impacts of water-related building moratoriums on housing development in California.” 11<sup>th</sup> Annual Summer Conference of the Association of Environmental and Resource Economists, Portland, ME, May 31<sup>st</sup>-June 2<sup>nd</sup>, 2023 (scheduled).

[1] Shen, M., Fisher-Vanden, K. and Wrenn, D.H., “Impacts of water-related building moratoriums on housing development in California.” 8<sup>th</sup> Annual Environmental Politics and Governance Conference, State College, PA, June 28<sup>th</sup>-July 1<sup>st</sup>, 2022.

## NATIONAL PATENTS

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[1] 一种利用海洋波浪能的发电装置。申请日期 2017-05-04, 公布/公告号 CN107061121B, 公布/公告日期 2019-11-12。发明人: 杜洋坤, 吕朝锋, 张鹤, 沈鸣洲。

## PROFESSIONAL MEMBERSHIPS

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Association of Environmental and Resource Economists (AERE)

Western Economics Association International (WEAI)

Environmental Politics and Governance (EPG)

## HONORS AND AWARDS

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Graduate Student Travel Grant Award, Pennsylvania State University	2023
Research Assistant Fellowship, Pennsylvania State University	2021–Present
Teaching Assistant Fellowship, Pennsylvania State University	2020
International Organization Internship Scholarships, China Scholarship Council	2019
Triple-A Graduate, Zhejiang University	2017
Outstanding Graduate Leader Award, Zhejiang University	2017
Outstanding Graduates, Zhejiang University	2016
Outstanding Undergraduate Thesis Award, Zhejiang University	2016
Corporate Scholarships for Outstanding Students, Enterprises	2015/2017/2018
Excellent Student Awards, Zhejiang University	2015/2017/2018
Excellent Social Work Scholarships, Zhejiang University	2014/2017
Scholarships for Outstanding Students, Zhejiang University	2013/2015

## RESEARCH EXPERIENCE

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Research Assistant to Karen Fisher-Vanden	2021 – Present
Research Assistant to Chaofeng Lü	2016 – 2019

## TEACHING EXPERIENCE

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### Pennsylvania State University

EMCH 210: Statics and Strength of Materials. <i>Instructor: Samia Suliman.</i>	Spring 2021
EMCH 212: Dynamics. <i>Instructor: Christopher Kube.</i>	Fall 2020
EMCH 212: Dynamics. <i>Instructor: Gary Gray.</i>	Spring 2020