

SIYUAN Hu 胡思远

<https://siyuanhu.com>

shu248@wisc.edu

(805) 568-8016

EDUCATION

University of Wisconsin-Madison	Madison, WI
Ph.D. in Agricultural & Applied Economics	2027 (Expected)
Johns Hopkins University	Washington, D.C.
M.A. in International Economics	2021
University of Arizona	Tucson, AZ
M.A. in East Asian Studies	2019
UC Santa Barbara	Santa Barbara, CA
B.A. in Japanese Language & B.S. in Mathematics	2017

AFFILIATIONS

Institute for Research on Poverty, University of Wisconsin-Madison	
Graduate Research Fellow	2025 – Present
U.S. Census Bureau	
Special Sworn Status	2024 – Present
Association of Environmental and Resource Economists	
Member	2022 – Present

RESEARCH EXPERIENCE

University of Wisconsin-Madison	Madison, WI
Project co-PI	2022 – Present
Energy Policy Institute at the University of Chicago	Beijing, China
Pre-doctoral Fellow	2021 – 2022
Johns Hopkins University	Washington, D.C.
ETAPA Research Scholar	2020 – 2022

TEACHING EXPERIENCE

University of Wisconsin-Madison	Madison, WI
“The Environment and the Global Economy”	Spring 2024
- Student Rating: 4.67/5.00	
University of Arizona	Tucson, AZ
“World of Buddhism”	Spring 2019
“Japanese Anime and Visual Culture”	Fall 2018
“Zen Buddhism”	Fall 2018
“Gods, Goddesses, and Demons: Divinity in South Asia”	Spring 2018
“Introduction to Japanese Language and Linguistics”	Spring 2018
“World of Buddhism”	Fall 2017

RESEARCH INTERESTS

Primary fields:	Behavioral, Environmental, Experimental, Urban Economics
Secondary fields:	Health Economics, Life Cycle Assessment (Energy Systems)

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PUBLICATIONS

[“Quantifying land use requirements and efficiency of solar photovoltaic farms in the Western United States,”](#) (with Rebecca R. Hernandez, Jeya Maria Jose, Vishal Patel, Yinong Sun, and Sarah M. Jordaan)

Communications Earth & Environment 6, 1006 (2025).

OTHER PUBLICATIONS

[“China's 'dynamic zero COVID-19 strategy' will face greater challenges in the future,”](#) (with Juncheng Cai, Qiuyan Lin, Tao Ren, and Libin Chen)

Journal of Infection 85, E13-E14 (2022).

WORKING PAPERS

“Behind the Concrete Curtain: Restrictive Zoning and Neighborhood Air Quality,” (with Mingxuan Fan and Corbett A. Grainger)

Draft available upon request

“Hyperscale Data Centers and Local Housing Markets,” (with Liu Ee Chia, Mingxuan Fan, and Qiang Wang)

Draft available upon request

“Know Thy Pipes: How Public Information Disclosure Shapes Household Demand for Lead Mitigation,” (with Fanyu Wang)

Draft available upon request

WORK IN PROGRESS

“Gaming the Tap: Strategic Monitoring in the U.S. Drinking-Water System,” (with Fanyu Wang)

“Lead Exposure and the Erosion of U.S. Human Capital,” (with Nathaniel Hendren, Robert D. Metcalfe, and Fanyu Wang)

“Racial Equity and Community Health through Lead Water Service Line Replacement: Evidence from a Community-Led Randomized Trial in NYC,” (with Robert D. Metcalfe and Fanyu Wang)

“Tail Risk in Electricity Supply and Housing Prices: Evidence from ERCOT,” (With Douglas Almond and Fanyu Wang)

GRANTS & AWARDS

TOTAL: \$134,769+

Abdul Latif Jameel Poverty Action Lab, MIT

U.S. State and Local Innovation Initiative Pilot Grant (\$89,239.72, with 2025
Robert Metcalfe and Fanyu Wang)

Columbia University

CELSS Graduate Student Experimental Project Grant (\$1,500, with 2025
Fanyu Wang)

ISERP Seed Grant (\$31,980, with Robert Metcalfe and Fanyu Wang) 2025

CEEP Student Research Grant (\$6,400, with Fanyu Wang) 2025

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CEEP Student Research Grant (\$5,000, with Fanyu Wang)	2024
University of Wisconsin-Madison	
AAE Department Research Presentation Award (\$1,000)	2025
AAE Department Research Award (\$1,000, with Fanyu Wang)	2025
AAE Outstanding Teaching Assistant Prize (\$250)	2024
AAE Department Research Award (\$1,000, with Fanyu Wang)	2024
AAE Department Research Travel Grant (\$250)	2024
Graduate School Fellowship	2022 – 2023
The American Center for Life Cycle Assessment	
1st Prize Student Poster Award (\$150)	2022
Johns Hopkins University	
ERE Summer Research Fellowship	2020

CONFERENCE PRESENTATIONS AND SEMINARS

WEAI Annual Conference	2026
Columbia University (IPWSD); Stanford University (Behavioral Public Economics Boot Camp); Resources for the Future (Eighth Annual Social Cost of Water Pollution Workshop)	2025
University of Wisconsin-Madison (Research Bazaar); Columbia University (IPWSD)	2024
The American Center for Life Cycle Assessment Conference	2021

OTHER INFORMATION

Referee for:	Land Economics (1x)
Programming:	ArcGIS Pro, Google Suite (AI Studio, Colab), HTML, QGIS, R
Languages:	Mandarin (native), English (fluent), Japanese (advanced)

REFERENCES

Professor Corbett A. Grainger (Chair) AAE University of Wisconsin-Madison corbett.grainger@wisc.edu	Professor Rhiannon Jerch AAE University of Wisconsin-Madison rhiannon.jerch@wisc.edu
Professor Robert D. Metcalfe SIPA Columbia University rdm2176@columbia.edu	Professor Daniel J. Phaneuf AAE University of Wisconsin-Madison dphaneuf@wisc.edu
Professor Christopher D. Timmins Wisconsin School of Business University of Wisconsin-Madison ctimmins@wisc.edu	