

SIYUAN HU 胡思遠

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ACADEMIC APPOINTMENTS

Graduate School of Economics and Management, Tohoku University Sendai, Japan
Assistant Professor 2027 –

AFFILIATIONS

Research Center for Policy Design, Tohoku University Sendai, Japan
Affiliate 2027 –

Institute for Research on Poverty, University of Wisconsin–Madison Madison, WI
Graduate Research Fellow 2025 – 2027

EDUCATION

University of Wisconsin–Madison Madison, WI
Ph.D. in Agricultural & Applied Economics 2027 (Expected)

University of Chicago Chicago, IL
Visiting Ph.D. Candidate in Economics 2026 – 2027

Johns Hopkins University Washington, D.C.
M.A. in International Economics 2021

University of Arizona Tucson, AZ
M.A. in East Asian Studies 2019

University of California, Santa Barbara Santa Barbara, CA
B.A. in Japanese Language & B.S. in Mathematics 2017

FIELDS

Primary Environmental, Experimental, Information, Urban Economics

Secondary Political Economy, Life Cycle Assessment

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)
Nature Communications Earth & Environment 6, 1006 (2025).

WORKING PAPERS

“Residential Zoning and Neighborhood Air Quality: Evidence from HOLC Boundaries”
(with Mingxuan Fan and Corbett A. Grainger)

“The Spatial Incidence of Hyperscale Data Centers”
(with Liu Ee Chia, Mingxuan Fan, and Qiang Wang)
Revise & Resubmit at *American Economic Journal: Economic Policy*.

“Know Thy Pipes: How Disclosure of Proxy Information Shapes Household Demand for Waterborne Lead Mitigation and Exposure Assessments”
(with Fanyu Wang)

SELECTED WORK IN PROGRESS

“Lead Exposure and the Erosion of U.S. Human Capital,”

(with Robert D. Metcalfe and Fanyu Wang)

“Local Welfare Incidence of Critical-Mineral Industrial Policy: Evidence from Indonesia,”

(with Nadira Amalia, Yohei Mitani, Hitomi Nakayama, Trang My Tran, and Nguyen Dinh Tuan Vuong)

“Parti(san) in the USA: Value of Political Homophily in U.S. Housing Markets,”

(with Yifei Liu 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, Steven L. Puller, and Fanyu Wang)

OTHER WRITINGS

“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).

GRANTS & AWARDS

Total — \$198,531+

Abdul Latif Jameel Poverty Action Lab, MIT

U.S. State and Local Innovation Initiative Pilot Grant (\$90,000) · with Robert Metcalfe and Fanyu Wang 2025

Columbia University

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

ISERP Seed Grant (\$32,000) · with Robert Metcalfe and Fanyu Wang 2025

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

CEEP Student Research Grant (\$5,000) · with Fanyu Wang 2024

University of Wisconsin–Madison

Graduate School Fellowship (\$30,614) 2026 – 2027

AAE Department Research Presentation Award * 6 (\$5390) 2024 – 2026

Graduate School Student Research Grants Competition (\$1,500) 2026

AAE Department Research Award * 2 (\$2,000) · with Fanyu Wang 2024 – 2025

AAE Department Outstanding Teaching Assistant Prize (\$250) 2024

Graduate School Fellowship (\$23,727) 2022 – 2023

The American Center for Life Cycle Assessment

1st Prize Student Poster Award (\$150) 2022

Johns Hopkins University

ERE Summer Research Fellowship 2020

CONFERENCES & SEMINARS

- 2027 ASSA Annual Meeting
- 2026 Akita University (J-TREE Regional Workshop); APPAM Fall Research Conference; AREUEA National Conference; Camp Resources XXXI; MEA Annual Conference; Nanjing University of Finance and Economics (CAERE Annual Conference); Ritsumeikan University (SEEPS Annual Conference); Tohoku University (Job Talk); Southwestern University of Finance and Economics (CES Annual Conference); UEA North American Meeting; University of Chicago (AFE Conference); University of Chicago (Price Theory Summer Camp); WEAI Annual Conference
- 2025 Columbia University (IPWSD); Resources for the Future (Annual Social Cost of Water Pollution Workshop); Stanford University (Behavioral Public Economics Boot Camp)
- 2024 Columbia University (IPWSD); University of Wisconsin–Madison (Research Bazaar)
- 2021 The American Center for Life Cycle Assessment Conference

TEACHING

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

OTHER INFORMATION

Data	Special Sworn Status (U.S. Census Bureau)
Languages	English (Fluent), Japanese (Advanced), Mandarin (Native)
Programming	ArcGIS Pro, Google Suite (AI Studio, Colab), QGIS, R
Referee	Journal of Policy Analysis and Management, Land Economics

REFERENCES

Available upon request