

SIYUAN HU 胡思遠

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EDUCATION

University of Wisconsin–Madison <i>Ph.D. in Agricultural & Applied Economics</i>	Madison, WI 2027 (Expected)
University of Chicago <i>Visiting Ph.D. Candidate in Economics</i>	Chicago, IL 2026 – 2027
Johns Hopkins University <i>M.A. in International Economics</i>	Washington, D.C. 2021
University of Arizona <i>M.A. in East Asian Studies</i>	Tucson, AZ 2019
University of California, Santa Barbara <i>B.A. in Japanese Language & B.S. in Mathematics</i>	Santa Barbara, CA 2017

FIELDS

Primary Behavioral, Environmental, Experimental, Urban Economics

Secondary Development, Political Economy, Life Cycle Assessment

RESEARCH EXPERIENCE

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

AFFILIATIONS

Institute for Research on Poverty, University of Wisconsin–Madison <i>Graduate Research Fellow</i>	Madison, WI 2025 – Present
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TEACHING EXPERIENCE

University of Wisconsin–Madison <i>The Environment and the Global Economy — Student Rating 4.67 / 5.00</i>	Madison, WI Spring 2024
University of Arizona <i>World of Buddhism</i> <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>	Tucson, AZ 2017 – 2019

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

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).

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)

“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)

GRANTS & AWARDS

Total — \$196,961+

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 (\$700) 2026

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

AAE Department Research Presentation Award (\$1,600) 2026

AAE Department Research Presentation Award (\$1,000) 2025

AAE Department Research Award (\$1,000) · with Fanyu Wang	2025
AAE Department Outstanding Teaching Assistant Prize (\$250)	2024
AAE Department Research Award (\$1,000) · with Fanyu Wang	2024
AAE Department Research Presentation Award (\$250)	2024
Graduate School Fellowship (\$23,727)	2022 – 2023
<i>The American Center for Life Cycle Assessment</i>	
1st Prize Student Poster Award (\$150)	2022
<i>Johns Hopkins University</i>	
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

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

Professor Corbett A. Grainger (*Chair*)
Agricultural & Applied Economics
University of Wisconsin–Madison
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Professor Christopher D. Timmins
Wisconsin School of Business
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Professor Daniel J. Phaneuf
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Professor Robert D. Metcalfe

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Professor John A. List

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