

Shuai Zhou, Ph.D.

Assistant Profession

Department of Sociology, Anthropology, and Social Work
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Updated: May 2026

EDUCATION

2023 Ph.D. Rural Sociology and Demography (dual title), The Pennsylvania State University

Dissertation: Environmental Migration in the United States: A Spatio-Temporal Perspective, 1970-2020.

2019 M.S. Rural Sociology and Demography (dual title), The Pennsylvania State University

RESEARCH INTERESTS

Environmental Migration; Environmental Health; Spatial Demography; Agri-food Sustainability; Computational and Geospatial Analysis.

POSITIONS AND AFFILIATIONS

University of South Alabama (2025–present)

Assistant Professor, Department of Sociology, Anthropology, and Social Work

Affiliated Assistant Professor, Stokes School of Marine and Environmental Sciences

Professional appointments (2025–present)

Associate Editor, *World Development Sustainability*

Cornell University (2023–2025)

Postdoctoral Research Associate, Department of Global Development and Cornell Population Center

Pennsylvania State University (2017–2023)

Graduate Research Assistant, Department of Agricultural Economics, Sociology, and Education

PUBLICATIONS

Peer-reviewed articles

18. **Zhou, Shuai**, Daning Lu, Lucinda Li, Krisztina Mosdossy, Rebecca Nelson, Johannes Lehmann, and Chuan Liao. 2026. "Realizing an Equitable Circular Bionutrient Economy in the United States." *Nature Sustainability*.
17. **Zhou, Shuai**, Chuan Liao, Ziqing Wei, and Guangqing Chi. 2026. "Heat and Air Pollution Shape Divergent Mortality Patterns across Rural and Urban United States." *npj Environmental Social Science*. 1: 4.
16. **Zhou, Shuai**, Guangqing Chi, and Chuan Liao. 2026. "Spatial Perspective on Environmental Migration: Empirical Insights from a Spatio-temporal Approach in the United States, 1970–2010." *Demographic Research*. 54: 835–876.
15. Nelson, Rebecca, Jensen Njagi, Isabella Culotta, Eli Newell, **Shuai Zhou**, Krisztina Mosdossy, Erick Abala, Chuan Liao, Johannes Lehmann, and Charles Midega. 2026. "Synergistic Pathways to a Circular Bionutrient Economy." *Global Food Security*. 48: 100898.
14. Sun, Yan, Lili Wu, Haiyue Fu, Yunpeng Zhang, **Shuai Zhou**, Yujin Lee, and Chuan Liao. 2025. "Urban Land Use Efficiency Enhancement Through Regional Economic Cooperation Network in Urban Agglomeration: Evidence from Yangtze River Delta, China." *International Regional Science Review*. 01600176251404393.
13. Liao, Chuan, Jenny Kao-Kniffin, Matthew Reid, Wendong Zhang, Precious Tshabalala, Erik Andrus, Zachary Butler-Jones, Jordan LaPoint, **Shuai Zhou**, Radine Rafols, Seongmin Shin, Mai Ichihara, Autumn Pereira, Natalia Butler, Ying Tu, and Susan R. McCouch. 2025. "Rice Farming for Climate Change Adaptation in the Northeastern United States." *Proceedings of the National Academy of Sciences*. 122(49): e2402181122.
12. Anderson, Cory, **Shuai Zhou**, and Guangqing Chi. 2025. "Religious Traditions Exhibit Heterogeneous Effects on Vaccination Uptake: A U.S. County-Level Regression Analysis Supporting Tailored Health Outreach." *American Journal of Preventive Medicine*. 70(1): 108139.
11. **Zhou, Shuai**, Guangqing Chi, Huanguang Qiu, Zhen Lei, Erica A.H. Smithwick, and Jiquan Chen. 2024. "Relocation preference and settlement: Lessons from the Poverty Alleviation Relocation Program in China." *PLOS One*. 19(10): e0309534.
10. **Zhou, Shuai** and Guangqing Chi. 2024. "How Do Environmental Stressors Influence Migration? A Meta-regression Analysis of the Environmental Migration Literature." *Demographic Research*. 50: 41–100.
9. Chi, Guangqing, **Shuai Zhou**, Megan Mucioki, Jessica Miller, Ekrem Korkut, Lance Howe, Junjun Yin, Davin Holen, Heather Randell, Ayse Akyildiz, Kathleen E. Halvorsen, Lara Fowler, James Ford, and Ann R. Tickamyer. 2024. "Climate Impacts on Migration in the Arctic North America: Existing Evidence and Research Recommendations." *Regional Environmental Change*. 24: 47.

8. Fu, Haiyue, Yating Li, Penghui Jiang, **Shuai Zhou**, and Chuan Liao. 2024. "Transition Towards Sustainable Diets: Multi-objective Optimization of Dietary Pattern in China." *Sustainable Production and Consumption*. 48: 14–28.
7. Anderson, Cory, **Shuai Zhou**, and Guangqing Chi. 2023. "Population-Wide Vaccination Hesitancy among the Amish: A County-Level Study of COVID-19 Vaccine Adoption and Implications for Public Health Policy and Practice." *Population Research and Policy Review*. 42: 70.
6. **Zhou, Shuai** and Guangqing Chi. 2022. "Farmland Rental: The Impacts of Household Demographics and Livelihood Strategies in China." *Land*. 11(8): 1318.
5. Li, Yanling, Zita Oravecz, **Shuai Zhou**, Yosef Bodovski, Ian J. Barnett, Naomi P. Friedman, Guangqing Chi, Scott I. Vrieze, and Sy-Miin Chow. 2022. "Bayesian Forecasting with a Regime-Switching Zero-Inflated Multilevel Poisson Regression Model: An Application to Adolescent Alcohol Use with Spatial Covariates." *Psychometrika*. 87(2): 376–402.
4. **Zhou, Shuai**, Yanling Li, Guangqing Chi, Junjun Yin, Zita Oravecz, Yosef Bodovski, Naomi P. Friedman, Scott I. Vrieze, and Sy-Miin Chow. 2021. "GPS2space: An Open-source Python Library for Spatial Measure Extraction from GPS Data." *Journal of Behavioral Data Science*. 1(2): 127–155.
3. Moss, Jennifer L., Siddhartha Roy, Karl T. Clebak, Julie Radico, Jarrett Sell, Christina Scartozzi, **Shuai Zhou**, Guangqing Chi, and Tamara Oser. 2021. "Area- and Individual-Level Correlates of Self-Rated Health: Implications for Geographic Health Disparities." *Journal of Primary Care and Community Health*. 12: 1–8.

Books

2. **Zhou, Shuai** and Chuan Liao. "Navigating Environmental Health: A Comprehensive Synthesis and Future Prospects." Cambridge, United Kingdom: Cambridge University Press. [in preparation]

Book chapters

1. **Zhou, Shuai** and Guangqing Chi. "Old Data, Old Problems, New Data, New Challenges." In: *Research Handbook of Rural Sociology*, edited by Ann R. Tickamyer and Carolyn Sachs. Cheltenham, United Kingdom: Edward Elgar Publishing. [forthcoming]

Open-source package and data products

2. **Zhou, Shuai**, Daning Lu, Lucinda Li, Krisztina Mosdossy, Rebecca Nelson, Johannes Lehmann, and Chuan Liao. "Aligning Nutrient Supply and Demand for an Equitable Circular Bionutrient Economy in the US." DOI: [10.24433/CO.0362366.v3](https://doi.org/10.24433/CO.0362366.v3)
1. GPS2space A Python library for constructing buffer- and convex hull-based activity space and shared space from raw GPS data and performing the nearest distance

query to user-specified landmarks. See source code on [PyPI](#), [GitHub](#) and [Documentation](#).

Other publications

8. Trash to Treasure: Turning Waste to Bionutrient for an Equitable Circular Bionutrient Economy. Available at: <https://communities.springernature.com/posts/trash-to-treasure-turning-waste-to-bionutrient-for-an-equitable-circular-bionutrient-economy>
7. Ludwig-Borycz, Elizabeth, Ana Baylin, Cheryl A. Moyer, Noah Kochanski, Nabin Pradhan, Sue Anne Bell, Joseph Eisenberg, Pamela Jagger, Nazeeba Siddika, Chuan Liao, **Shuai Zhou**, Marie O'Neill, Peter Larson, and Arun Agrawal. 2024. "Higher Temperatures Are Associated with Lower Birthweight in Bangladesh." *ISEE Conference Abstracts*. 24(1): 1.
6. Hou, Qing, **Shuai Zhou**, and Guangqing Chi. 2024. "The Factors Affecting Electric Vehicle Adoption in the United States, 2016–2021." In: *Proceedings of the 7th International Conference on Economic Management and Green Development*, edited by Xiaolong Li, Chunhui Yuan, and John Kent. Singapore: Springer Nature Singapore.
5. **Zhou, Shuai** and Matthew M. Brooks. 2020. "Pennsylvania Pomp and Circumstance: Trends in High School Dropouts." *Pennsylvania Population Network Briefs*. 3: 1–4.
4. **Zhou, Shuai**. 2018. "International Migration of China: Status, Policy and Social Responses to the Globalization of Migration" by Lu Miao and Huiyao Wang (Singapore: Springer, 2017. 135 pp. ISBN: 978-981-10-6073-1). *Rural Sociology*. 83(3): 700–702. [Book review]
3. **Zhou, Shuai**. 2018. "An Inertia Model of Agricultural Production: Evidence from the Rural Household Operation in Henan, China [In Chinese]." *Science, Economy, and Society*. 36(1): 57–63.
2. **Zhou, Shuai**. 2017. "Farmland Rental Contract and Its Driving Factors among Rural Households: Empirical Evidence from the China Family Panel Studies [In Chinese]." *Modern Management Science*. 9: 115–117.
1. **Zhou, Shuai**. 2017. "Farmers' Mobility Influences Their Livelihood Arrangements in China [In Chinese]." *Chinese Social Sciences Today*. 12 April 2017. Available at: http://sscp.cssn.cn/xkpd/zxtj/201704/t20170412_3483300.html

Under review

7. **Zhou, Shuai**, Cydney McGuire, Sadaf Arefi Milani, Azar M. Abadi, Elizabeth Baker, John Prochaska, Guangqing Chi, Lori Hunter, and Hugh B. Roland. "Population Aging and Migration and Older Adults' Disaster-Related Health Vulnerabilities in the U.S. Gulf Coast."
6. **Zhou, Shuai**, Ann R. Tickamyer, Jessica Miller, and Guangqing Chi. "Gender, Migration, and Climate Change in Environmentally Threatened Alaskan Communities, 2012–2022."

Journal of Rural Studies.

5. Liao, Chuan, **Shuai Zhou**, Danning Lu, Ying Tu, Krisztina Mosdossy, Lucinda Li, Seongmin Shin, Rebecca Nelson, and Johannes Lehmann. “Global Nutrient Justice through a Circular Bionutrient Economy.” Nature Reviews Earth & Environment.
4. Liao, Chuan, Seongmin Shin, Katie Rohrbaugh, **Shuai Zhou**, Elizabeth Ludwig-Borycz, Nabin Pradhan, Zhenci Xu, Manuel Ruiz-Aravena, and Arun Agrawal. “Global Land Rush and Potential Zoonotic Spillover Risk.” Communications Sustainability.
3. Ludwig-Borycz, Elizabeth, Ana Baylin, Cheryl A. Moyer, Noah Kochanski, Nabin Pradhan, Sue Anne Bell, Joseph Eisenberg, Pamela Jagger, Nazeeba Siddika, Peter Larson, **Shuai Zhou**, Chuan Liao, Kathryn Grace, and Arun Agrawal. “Higher Temperatures Are Associated with Lower Birthweight in Bangladesh.” Environmental Research.
2. Wang, Zhaoya, Hongguang Liu, Zhijun Chen, **Shuai Zhou**, Pingxing Li, and Chuan Liao. “International Production Relocation Benefits Global Carbon Reduction.” Ecological Economics.
1. Wang, Zhaoya, Hongguang Liu, Zhijun Chen, **Shuai Zhou**, and Chuan Liao. “Evolving Patterns and Drivers of International Production Transfer: A Study of Global Supply Chain Shifts amid Recent Disruptions.” Sustainability Science.

Manuscripts in development

4. **Zhou, Shuai**, Chuan Liao, Roma Hanks, and Hugh Roland. “Rising Temperature and Prevalence of Chronic Kidney Disease in the United States, 2009–2021.”
3. **Zhou, Shuai**, Guangqing Chi, and Brian C. Thiede. “Climate Variability and Internal Migration in the United States, 1970–2010.”
2. **Zhou, Shuai**. “Migratory Responses to Environmental Variability in the United States: A Multi-level Analysis of Microdata from the American Community Survey, 2010–2020.”
1. Ludwig-Borycz, Elizabeth, Adrianna Rojas, Ava Morisi, Paige Smith, **Shuai Zhou**, Ana Baylin, Sue Ann Bell, Cheryl Moyer, and Arun Agrawal. “Scoping Literature Review on Effect Modifiers of Climate Change-Related Exposure and Low Birth Weight and Preterm Birth.”

RESEARCH GRANTS

Funded grants

4. **Gulf Coast Environmental Engagement Center.** *Through Our Eyes: Stories of Health and Resilience in Mobile, Alabama.* 05/01/2026–03/31/2028. **Co-PI** with Abbey Hotard (PI). \$121,568.
3. **Polson Institute for Global Development.** *Human-Environment Geospatial Research Forum.* 02/01/2025–01/31/2026. **Co-PI** with Jordan Blekking (PI). \$3,000.
2. **Toward Sustainability Foundation.** *Agricultural Floodplain Rice Farming as Adaptation to Climate Change in NYS.* 02/01/2024–01/31/2025. **Co-PI** with Chuan Liao (PI). \$11,000.

1. **Polson Institute for Global Development.** *Energy and Society Research Working Group 2024–2026.* **Co-PI** with Chuan Liao and Stephan Schmidt (PI). \$3,000.

Under review

1. **US Department of Education.** *AIMS-UP: Artificial Intelligence & Modern Skills for Undergraduate Preparedness.* 05/01/2026–04/30/2030. **Co-PI** with Shenghua Wu (PI). \$4,000,000.

Unfunded grants

12. **College of Arts and Sciences Summer Professional Development Award.** *Navigating Environmental Health: A Comprehensive Synthesis and Future Prospects.* 01/05/2026–08/01/2026, **PI.** \$5,000.
11. **College of Arts and Sciences Support and Development Awards.** *Promoting Student Learning and Success through Quantitative Techniques and Replicable Research.* 01/05/2026–05/31/2026, **PI.** \$1,500.
10. **Center for Aging, Climate and Health.** *Integrated Aging, Health, and Environmentally Aggregated Data (iAHEAD): An Open-Source Framework for Spatial and Temporal Integration.* 09/01/2025–08/31/2026. **PI.** \$19,287.
9. **Interdisciplinary Network on Rural Population Health and Aging.** *Rising Temperature and Unequal Burden of Chronic Kidney Diseases in Rural America.* 08/15/2025–04/30/2026. **PI.** \$34,716.
8. **Cornell Center for Health Equity.** *Heat, Health, and Inequity: An Interdisciplinary Approach to Chronic Kidney Disease Prevalence in the United States.* 07/01/2025–06/30/2026. **Co-PI** with Chuan Liao (PI). \$49,164.
7. **Polson Institute for Global Development.** *Modeling Socio-Political Systems to Advance the Circular Bionutrient Economy.* 2024–2025. **Co-PI** with Johannes Lehmann (PI). \$20,000.
6. **Cornell Center for Health Equity.** *Warming Planet, Unequal Burden: Chronic Kidney Disease Prevalence and Disparities among Elders in the United States.* 07/01/2024–06/30/2025. **Co-PI** with Chuan Liao (PI). \$50,000.
5. **Environmental Defense Fund.** *Diversion of Organic Waste from Anaerobic Disposal to Regenerative Agricultural Products: Co-Benefits for Greenhouse Gas Emissions and Human Health.* 06/01/2024–05/31/2025. **Co-PI** with Chuan Liao and Veronica Southerland (PI). \$99,976.
4. **Interdisciplinary Network on Rural Population Health and Aging.** *Rising Temperature and Unequal Burden: Chronic Kidney Disease Prevalence and Disparities among Older Adults and Agricultural Workers in the United States.* 12/01/2024–04/30/2025. **Collaborator** with Chuan Liao (PI). \$35,000.

3. **Consultative Group on International Agricultural Research.** *Standing Panel on Impact Assessment (SPIA) Country Study in the Philippines.* 01/01/2025–12/31/2026. **Collaborator** with Chuan Liao and Glenn Gregorio (PI). \$275,000.
2. **Summer Undergraduate Mentored Research Grant at Cornell University.** *Harnessing Agricultural Resilience through Visionary Eco-friendly Strategies (HARVEST): Promoting Rice Farming in New York State's Floodplains.* 05/20/2024–07/31/2024. **Collaborator** with Chuan Liao (PI). \$25,832.
1. **Russell Sage Foundation.** *Environmental Migration in the United States: A Spatio-temporal Perspective, 1970–2020.* 2022–2023. **PI.** \$10,000.

TEACHING EXPERIENCE

University of South Alabama

- 2026 Fall** Instructor, SY 411, Population
- 2026 Fall** Instructor, SY 511, Introduction to Population
- 2026 Fall** Instructor, SY/ENS 590, Quantitative Methods for Environmental Sociology
- 2026 Spring** Instructor, SY 411, Population
- 2026 Spring** Instructor, SY 511, Introduction to Population
- 2026 Spring** Instructor, SY/ENS 590, Quantitative Methods for Environmental Sociology
- 2025 Fall** Instructor, SY 411, Population
- 2025 Fall** Instructor, SY 511, Introduction to Population

Cornell University

- 2025 Spring** Guest lecture, Environment and Health Disparities, March 26, 2025.

Penn State University

- 2025 Spring** Guest lecture, Environmental Migration in the United States, April 24, 2025.
- 2023 Spring** Guest lecture, Environmental Migration in the United States, April 20, 2023.
- 2021 Spring** Guest lecture, Using Social Explorer for Spatial Analyses, February 15, 2021.
- 2020 Fall** Guest lecture, Introductory to Stata, September 28, 2020.
- 2020 Spring** Guest lecture, Introductory Rural Sociology, January 28, 2020.

Beijing City University

- 2015 Spring** Part-time lecturer, Social Survey Methods, February–July 2015.

STUDENT MENTORING

* Multicultural Academic Council Peer Mentoring Program

† Undergraduate Research Opportunity Program

Ph.D. students

2024–2025	Allyson Kritzer*	Cornell University
2024–2025	Aaron Liu*	Cornell University
2024–2025	Nancy Chen*	Cornell University

Master students

2023–2024	Ziqing Wei	Cornell University
2022–2023	Qing Hou	University of Southern California

Undergraduate students

2024–2025	Crystal Millar	Cornell University
2023–2024	Florence Cheung	Cornell University
2023–2024	Yulu Chen	Cornell University
2023–2024	Jana Turner†	University of Michigan
2023–2024	Rodina Araia†	University of Michigan

PRESENTATIONS

Invited talks

6. **Zhou, Shuai.** 2024. “Old Data, Old Problem, New Data, New Challenges.” Book Launch for *Research Handbook of Rural Sociology*, July 26, 2024, Madison, WI.
5. **Zhou, Shuai.** 2023. “Imbalanced Nutrient Supply and Demand for Regenerative Agriculture.” Share Research and Ideas with Syngenta, October 11, 2023, Cornell University, Ithaca, NY.
4. **Zhou, Shuai.** 2022. “Migration due to Climate Change.” Geo-Resolution 2022–Geospatial Perspectives on Climate Change: Predicting and Mitigating Effects at Saint Louis University, September 28, 2022, St. Louis, MO.
3. **Zhou, Shuai** and Yanling Li. 2021. “GPS2space: An Open-source Python Library for Spatial Measure Extraction from GPS Data.” QuantDev Brownbag at Social Science Research Institute at Pennsylvania State University, February 10, 2021, University Park, PA.
2. **Zhou, Shuai.** 2020. “Introduction to GPS2space.” Intensive Longitudinal Health Behaviors Network Meeting (GPS Subgroup Meeting), October 21, 2020, University Park, PA.
1. **Zhou, Shuai.** 2020. “Alaska Demographics and Data Sources.” Pursuing Opportunities for Long-term Arctic Resilience for Infrastructure and Society (POLARIS) Project, October 5, 2020, University Park, PA.

Conference presentations

* Presenter

21. Anderson, Cory*, George Hayward, **Shuai Zhou**, Mary Shenk, and Guangqing Chi. 2026. "Higher Fertility but widely Varying: Do Amish-Internal or Non-Amish Neighborhood Processes Better Predict Fertility Variation?" 2026 Conference of the Association for the Study of Religion and Culture, March 20–21, 2026, Orange, CA.
20. **Zhou, Shuai***, Chuan Liao, Roma Hanks, and Hugh Roland. 2026. "Rising Temperature Drive Higher Prevalence of Chronic Kidney Disease in the United States, 2009–2021." 2026 Annual Meeting of the Population Association of America, May 6–9, 2026, St. Louis, MO. [Poster]
19. **Zhou, Shuai**, Cydney McGuire, Sadaf Milani, Elizabeth Baker, Guangqing Chi, John Prochaska, Lori Hunter, and Hugh Roland*. 2026. "Spatiotemporal Patterns in Population Aging and Migration in the U.S. Gulf Coast: Implications for Older Adults' Disaster-Related Health Vulnerabilities." 2026 Annual Meeting of the Population Association of America, May 6–9, 2026, St. Louis, MO.
18. **Zhou, Shuai**, Ann R. Tickamyer, Jessica Miller, and Guangqing Chi*. 2025. "Gender, Migration, and Climate Change in Environmentally Threatened Alaskan Communities, 2012–2022." 2025 Conference of the International Association for Society and Natural Resources. June 8–12, 2025, Vancouver, Canada.
17. **Zhou, Shuai***, Chuan Liao, Ziqing Wei, and Guangqing Chi. 2024. "Environmental Impacts on Cause-specific Mortality in the United States, 2000–2019." 2024 Annual Meeting of the Rural Sociological Society, July 24–30, 2024, Madison, WI.
16. **Zhou, Shuai***, Chuan Liao, Elizabeth Ludwig-Borycz, Seongmin Shin, Yujin Lee, Ziqing Wei, Jana Turner, Yulu Chen, Rodina Araia, Florence Cheung, and Arun Agrawal. 2024. "A Comprehensive Synthesis and Future Prospects of Environmental Health Literature, 2010–2023." 2024 Annual Meeting of the Rural Sociological Society, July 24–30, 2024, Madison, WI.
15. **Zhou, Shuai***, Chuan Liao, Ziqing Wei, and Guangqing Chi. 2024. "Beyond Pathogens: Unravelling Mortality through an Environmental Lens in the United States, 2000–2019." 2024 Annual Meeting of the Population Association of America, April 17–20, 2024, Columbus, OH. [Poster]
14. Anderson, Cory*, **Shuai Zhou**, and Guangqing Chi. 2024. "Which Way Does Religion Pull, and Why? Variation in COVID-19 Vaccination Rates among Major U.S. Religions." 2024 Annual Meeting of the Population Association of America, April 17–20, 2024, Columbus, OH. [Poster]
13. **Zhou, Shuai***, Chuan Liao, Elizabeth Ludwig-Borycz, Seongmin Shin, Yujin Lee, Ziqing Wei, Jana Turner, Yulu Chen, Rodina Araia, Florence Cheung, and Arun Agrawal. 2024. "Navigating Environmental Health: A Comprehensive Synthesis and Future Prospects." 2024 Annual Cornell Center for Health Equity Symposium, April 11, 2024, Ithaca, NY.

[Poster]

12. **Zhou, Shuai*** and Guangqing Chi. 2023. "Migratory Responses to Environmental Variability in the United States: A Multi-level Analysis of Microdata from the American Community Survey, 2010–2020." 2023 Annual Meeting of the Population Association of America, April 12–15, 2023, New Orleans, LA.
11. **Zhou, Shuai*** and Guangqing Chi. 2022. "Migratory Responses to Environmental and Sociodemographic Factors in the United States: A Multi-level Approach." 2022 Annual Meeting of the Rural Sociological Society, August 04–07, 2022, Westminster, CO.
10. Anderson, Cory*, George M. Hayward, **Shuai Zhou**, Guangqing Chi, and Mary K. Shenk. 2022. "Persistently High Fertility in a Low Fertility Context: How Do America's Amish Heterogeneously Respond to Fertility-Reducing Structural Incentives?" 2022 Annual Meeting of the Population Association of America, April 6–9, 2022, Atlanta, GA.
9. **Zhou, Shuai*** and Guangqing Chi. 2022. "Migratory Responses to Environmental and Sociodemographic Factors in the United States: A Multi-level Analysis, 2010–2020." Population and Climate Change: The Defining Relationship of the 21st Century, November 30–December 2, 2022, Vienna, Austria. [Poster]
8. **Zhou, Shuai***, Guangqing Chi, and Brian C. Thiede. 2022. "Migration and Climate Change and Variability in the Contiguous United States at the County Level, 1970–2010." 2022 Annual Meeting of the Population Association of America, April 6–9, 2022, Atlanta, GA. [Poster]
7. **Zhou, Shuai*** and Guangqing Chi. 2021. "How Do Environmental Changes and Variations Influence Migration? A Meta-regression Analysis of the Environmental Migration Literature." 2021 Annual Meeting of the Rural Sociological Society, July 29–August 01, 2021. (Held online due to COVID-19).
6. **Zhou, Shuai** and Matthew M. Brooks. 2020. "Disparities in Transition to High School: An Evaluation of Rurality, Race and Ethnicity Composition, and Mobility at the Unified School District Level in the US." 2020 Annual Meeting of the Rural Sociological Society. (Canceled due to COVID-19).
5. **Zhou, Shuai*** and Guangqing Chi. 2020. "Land Rental in Rural China: The Impacts of Demographics, Household Economy, Land Endowment, and Social Welfare, 2012–2016." 2020 Annual Meeting of the Population Association of America, April 22–25, 2020, Washington, DC. (Canceled due to COVID-19). [Poster]
4. **Zhou, Shuai*** and Guangqing Chi. 2019. "Land Rental in Rural China: The Impacts of Demographics, Household Economy, Land Endowment, and Social Welfare, 2012–2016." 2019 Annual Meeting of the Rural Sociological Society, August 07–10, 2019, Richmond, VA.
3. **Zhou, Shuai***, Guangqing Chi, Brian C. Thiede, Zhen Lei, and Huanguang Qiu. 2019. "Subsidized Relocation and the Willingness to Move: Evidence from the Targeted Poverty Alleviation Project in China." 2019 Annual Meeting of the Population Association of

America, April 10–13, 2019, Austin, TX.

2. **Zhou, Shuai***, Guangqing Chi, Brian C. Thiede, Zhen Lei, and Huanguang Qiu. 2018. "Subsidized Relocation and the Willingness to Move: The First Look at the Targeted Poverty Alleviation Project in China." 2018 Annual Meeting of the Rural Sociological Society, July 26–29, 2018, Portland, OR.
1. **Zhou, Shuai***. 2017. "Family Economy, Land Endowment, Social Security and Land Rent Behavior of Village Farmers: An Empirical Research Based on Logistic Model." 2017 Annual Rural Studies Conference, October 27–28, 2017, University Park, PA.

SELECTED MEDIA COVERAGE

- 2026 "Animal and human waste could slash synthetic fertilizer use in US." *Cornell Chronicle*. April 15, 2026. Available at:
<https://news.cornell.edu/stories/2026/04/animal-and-human-waste-could-slash-synthetic-fertilizer-use-us>
- 2024 "Many people in the Arctic are staying put despite climate change, study reports." *Penn State News*. May 9, 2024. Available at:
<https://www.psu.edu/news/agricultural-sciences/story/many-people-arctic-are-staying-put-despite-climate-change-study-reports/>

AWARDS

- 2022 Francena L. Miller and Michael F. Nolan Graduate Scholarship in Agricultural Economics and Rural Sociology, The Pennsylvania State University.
- 2022 The College of Agricultural Sciences (CAS) Graduate Student Travel Award, The Pennsylvania State University.
- 2022 Rural Sociological Society (RSS) Graduate Student Travel Award, The Rural Sociological Society.

PROFESSIONAL SERVICE

Editorship

Associate Editor *World Development Sustainability* (2025–present).

Guest Editor Special Issue "Urbanization and Ecological Sustainability" in *Land* (2024).

University service at University of South Alabama

- Committee** Academic Program Review Committee for Sociology of the Department of Sociology, Anthropology, and Social Work (2026).
- Committee** Events Committee of the Department of Sociology, Anthropology, and Social Work (2026).
- Committee** Sociology Curriculum Committee of the Department of Sociology, Anthropology, and Social Work (2026).

Committee Community Engagement Committee of the Department of Sociology, Anthropology, and Social Work (2025).

Grant proposal review

Reviewer Environmental Literacy for Community Resilience Grant, The Gulf Research Program of the National Academies of Sciences, Engineering, and Medicine (2025).

Reviewer Atkinson Graduate Research Grants 2024, Cornell Atkinson Center for Sustainability (2023).

Journal manuscript review

2026

Nature Climate Change (×1)

Scientific Reports (×1)

2025

Nature Climate Change (×1)

Population and Environment (×1)

Population Research and Policy Review (×1)

BMC Geriatrics (×1)

BMC Public Health (×4)

Humanities and Social Sciences Communications (×1)

2024

Population and Environment (×2)

Spatial Demography (×1)

PLOS One (×2)

China Agricultural Economic Review (×2)

Socio-Economic Planning Sciences (×1)

Panel moderation

Chair for the session “Environmental Impacts on Health and Livelihoods”, 2024 Annual Meeting of the Rural Sociological Society, July 24–30, 2024, Madison, WI.

Moderator for the session “Health Access and Outcomes”, 2022 Annual Rural Studies Conference, October 13–14, 2022, University Park, PA.

Moderator for the workshop “Agent-Based Modeling”, 2021 Annual Population Research Institute Graduate Student Methodology Workshop, May 11, 2021, University Park, PA.

Moderator for the session “Alternative Food Systems and Sustainable Agriculture”, 2019

Annual Rural Studies Conference, November 7–8, 2019, University Park, PA.

PROFESSIONAL DEVELOPMENT

- Participant** Academic Placement Program (APP), June–September 2024, Cornell University, Ithaca, NY.
- Participant** Summer Institute in Migration Research Methods, June 10–June 12, 2022, University of California, Berkeley, Berkeley, CA. (Selected but unable to attend for family reasons.)
- Participant** The 10th Workshop on Formal Demography, June 3–June 7, 2024, University of California, Berkeley, Berkeley, CA.
- Participant** NextGen Professors Program, October 24, 2023–June 20, 2024, Cornell University, Ithaca, NY.
- Participant** Data and Modeling Approaches to Assessing Climate-Conflict Impact on Population Dynamics, April 12, 2023, New Orleans, LA.
- Participant** Leveraging Linked Census Data: Resources and Opportunities from Full Count IPUMS Data, April 12, 2023, New Orleans, LA.
- Participant** Summer Institute in Migration Research Methods, July 25–August 2, 2022, University of California, Berkeley, Berkeley, CA.
- Participant** Data Reproducibility Boot Camp, June 3–7, 2019, The Pennsylvania State University, University Park, PA.

PROFESSIONAL MEMBERSHIP

- Member** Population Association of America (PAA)
- Member** Rural Sociological Society (RSS)
- Member** Cornell Center for Health Equity (CCHE)
- Member** Rural Population Research Network (RPRN)
- Member** International Union for the Scientific Study of Population (IUSSP)

STATISTICAL/PROGRAMMING LANGUAGE

- Python** Advanced level
- Stata** Advanced level
- R** Intermediate level

REFEREES

Available upon request.