

SHIGUO JIANG

Department of Geography and Planning, University at Albany, State University of New York
Arts and Sciences 227, 1400 Washington Ave, Albany, NY 12222

Spatial Analysis Laboratory: albany.edu/spatial; 518-591-8561; sjiang2@albany.edu

EDUCATION

- PhD Geography, The Ohio State University, 2007-2012.
Dissertation: Estimating per-pixel classification confidence of remote sensing imagers. Advisor: Desheng Liu
- MS Geography, Peking University, 2001-2004.
Thesis: Fractal Urban Form of Beijing: Theory, Method, and Practice. Advisor: Yixing Zhou
- BS Geography, Peking University, 1997-2001.
Thesis: The determination of the regional limits of metropolitan area: a case study of Hangzhou city. Advisor: Yixing Zhou
- BA Economics (Dual major), Peking University, 1998-2001.

PROFESSIONAL HISTORY

- 2022- Associate Professor (tenured), Department of Geography and Planning, University at Albany, Albany, NY
- 2020-2022 Assistant Professor (tenure track), Department of Geography and Planning, University at Albany, Albany, NY
- 2019-2020 Visiting Assistant Professor (maternity cause), Department of Geography and Planning, University at Albany
- 2016- Affiliated Faculty, Ph.D. Program in Information Science, College of Emergency Preparedness, Homeland Security and, University at Albany
- 2015-2019 Affiliated Faculty, Biodiversity, Conservation, and Policy (BCP) M.S. Program, Department of Biological Sciences, University at Albany (BCP program was merged into Department of Geography and Planning in Fall 2019).
- 2015- Research Associate, Center for Social and Demographic Analysis, University at Albany

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- 2014-2019 Assistant Professor (tenure track), Department of Geography and Planning, University at Albany
- 2013-2014 Postdoctoral Researcher, School of Environment and Natural Resources, The Ohio State University, Columbus, OH. (Supervisor: Rattan Lal.)
- 2007-2012 Graduate Associate, Department of Geography, The Ohio State University.
- 2004-2007 Urban Planner, Beijing Tsinghua Urban Planning & Design Institute, Beijing, China
- 2001-2004 Graduate Associate, College of Environmental Sciences, Peking University, Beijing, China.
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PUBLICATIONS

* *Indicating student*

† *Indicating co-first author*

Selected publications can be downloaded at: <https://www.albany.edu/spatial/publications>

Google Scholar Profile: <https://scholar.google.at/citations?user=tJaShosAAAAJ&hl=en>

Refereed Articles

- *Shu, H., **Jiang, S.**, et al. 2022. Fusing or filling: which strategy can better reconstruct high-quality fine-resolution satellite time series? *Science of Remote Sensing*. 5: 100046. (* *Indicating student*)
- Jiang, S.**[†], Alazawi, M.[†], Messner, S. F. 2022. Identifying a spatial scale for the analysis of residential burglary: An empirical framework based on point pattern analysis, *PLoS ONE* 17(2): e0264718. († indicating co-first authors)
- O'Connor, C.* , Prusinski, M., **Jiang, S.**, etc., 2021, A comparative spatial and climate analysis of human granulocytic anaplasmosis and human babesiosis in New York State (2013-2018), *Journal of Medical Entomology*, 58 (6): 2453-2466. (* *Indicating student*)
- Buck, D. G., Esselman, P. C., **Jiang, S.**, Wainwright, J. D., Brenner, M., Cohen, M. J., 2019, Seasonal fluxes of dissolved nutrients in streams of catchments dominated by swidden agriculture in the Maya Forest of Belize, Central America, *Water*, 11 (4), 1-22.
- Ortega-Pacheco, D., Keeler, A., **Jiang, S.**, 2019. Climate change mitigation policy in Ecuador: Effects of land-use competition and transaction costs. *Land Use Policy*, 302-310.

- Esselman, P. C., **Jiang, S.**, Peller, H. A., Buck, D. G., Wainwright, J. D., 2018, Landscape drivers and social dynamics shaping microbial contamination risk in three Maya communities in Southern Belize, Central America, *Water*, 1-22.
- Chen, Y., **Jiang, S.**, 2017. Urban agglomeration, urban system and *chengshiqun*: Different concepts. *Urban Development Studies*, 24 (12): 8-15. (in Chinese: 城市集聚体、城市群和城镇体系).
- Lapenis, A. G., Lawrence, G. B., Buyantuev, A. **Jiang, S.**, Sullivan, T. J., McDonnell, T. C., and Bailey, S., 2017. A newly identified role of the deciduous forest floor in the timing of green-up. *Journal of Geophysical Research: Biogeosciences*, 122: 2876-2891.
- *Hassan, A., Ijaz, S., Lal, R., Barker, D., Ansar, M., Ali, S., **Jiang, S.**, 2016. Tillage effect on partial budget analysis of cropping intensification under dryland farming in Punjab, Pakistan. *Archives of Agronomy and Soil Science*, 62 (2): 151-162. (* Indicating student)
- Wainwright, J. D., **Jiang, S.**, Mercer, K., and Liu, D., 2015. The political ecology of a highway through Belize's forested borderlands. *Environment and Planning A*, 47:833-849.
- *He, L., Paez, R., Liu, D., **Jiang, S.**, 2015. Temporal stability of model parameters in crime rate analysis: An empirical examination. *Applied Geography*, 58: 141-152. (* Indicating student)
- *Nakajima, T., Lal, R., **Jiang, S.**, 2015. Soil quality index of a crosby silt loam in central Ohio. *Soil & Tillage Research*, 146, Part B: 323-328. (* Indicating student)
- Jiang, S.** and Liu, D., 2012. Box-counting dimension of fractal urban form: stability issues and measurement design. *International Journal of Artificial Life Research*. 3(3): 41-63.
- Chen, Y. and **Jiang, S.**, 2010. Modeling fractal structure of systems of cities using spatial correlation function. *International Journal of Artificial Life Research*, 1(1): 12-34.
- Chen, Y., **Jiang, S.**, 2009. An analytical process of the spatio-temporal evolution of urban systems based on allometric and fractal ideas, *Chaos, Solitons and Fractals*, 39(1): 49-64.
- Jiang, S.** and Zhou, Y., 2006. The fractal urban form of Beijing and its practical significance, *Geographical Research*, 25(2): 204-212. (in Chinese: 北京城市形态的分形集聚特征及其实践意义)
- Jiang, S.**, 2004. An allometric analysis of the Hohhot urban system: using the industrial and agricultural output data, *Economic Geography*, 24(6): 820-825. (in Chinese: 呼和浩特地区城镇体系工农业发展能力的异速生长分析)

Jiang, S., 2004. The determination of the regional limits of metropolitan area: a case study of Hangzhou city, *Geography and Geo-Information Science*, 20(1): 67-72. (in Chinese: 都市区范围界定方法探讨——以杭州市为例)

Unreferred Articles (Editor-invited)

Lin, P., Pan, F., and **Jiang, S.**, 2006. Implications from the new town planning of Fangshan, satellite city of Beijing, *Beijing Planning Review*, (06): 29-34. (in Chinese: 房山新城规划导读)

Pan, F., **Jiang, S.**, and Lin, J., 2006. Industrial transformation and upgrading, a new industrial framework based on circular economy, *Beijing Planning Review*, (06): 35-38. (in Chinese: 立足产业升级, 实现两个转型——基于循环经济理念的产业空间布局新框架)

Papers in Conference Proceedings

Jiang, S. and Liu, D., 2011. On chance-adjusted measures for accuracy assessment in remote sensing image classification. *Proceedings of American Society of Photogrammetry and Remote Sensing (ASPRS) Annual Conference*, Milwaukee.

Chapters in Edited Books

Wainwright, J. D., **Jiang, S.**, and Liu, D., 2013. Deforestation and the world-as-representation: the Maya forest of southern Belize. In *Land Change Science, Political Ecology, and Sustainability: Synergies and Divergences*, Brannstrom, C. and Vadjunec, J. Eds. New York: Routledge, 169-190.

Jiang, S. and Chen, Y., 2004. Research on the urban agglomerations and metropolitan areas in Shandong peninsula. In *Development Strategy of Urban Agglomerations in Shandong Peninsula*, Zhou, Y. and Yang, H., Eds. Beijing: China Architecture & Building Press, 101-124. (in Chinese: 山东半岛城市群地区都市区地域界定)

Jiang, S., 2002. Spatial structure of Hangzhou metropolitan area. In *Approaching the Qiantang River Time*, Hangzhou Planning Bureau Eds. Shanghai: Tongji University Press, 99-110. (in Chinese: 杭州都市区地域组织的界定)

OTHER SCHOLARLY ACTIVITY

Consultancies/Reports

Wainwright, J., Peller, H., Esselman, P., **Jiang, S.**, Herce, F., Mercer, K., and Mesh, T., 2017. *Changes on the Land History, Forests, Soils and Water: A Report to Aguacate, Jalacte, and Santa Cruz Villages.*

Translation

Jiang, S. and Teng J. 2009. *Quantitative Methods and Applications in GIS* (English book written by Wang F., 2006, Boca Raton, FL: CRC Press). Beijing: Commercial Press. (in Chinese: 基于 GIS 的数量方法与应用)

Software Handbook

Xu, H., Cai, R., **Jiang, S.**, 2002. *Mastering AutoCAD 2002 in 50 Lectures*. Beijing: China Water Power Press. (in Chinese: 突破AutoCAD 2002创作实例五十讲)

GRANT FUNDING**Federal**

2023-2028 Lapenas, A. (PI), Jiang, S. (Co-PI), Buyantuev, A. (Co-PI), Lawson, C. (Co-PI), Enriquez, J. (Co-PI), Urban Climate Adaptation of Forest Ecosystems with Disadvantaged Communities and Youth in Albany, New York, U.S. Department of Agriculture (**USDA**) Forest Service, US \$5,000,000

2015-2018 Buyantuev, A. (PI), **Jiang, S. (Co-PI)**, Lapenis, A. (Co-PI), Mower, J. (Co-PI), Zhou, L. (Co-PI), *MRI: Acquisition of a small Unmanned Aircraft System (UAS) for natural and urban ecosystem studies and risk disaster management*, National Science Foundation (**NSF**), US \$147,983

Other External Sponsors

2016-2017 Wainwright, J. (PI), **Jiang, S. (Co-I)**, Liu, D. (Co-I), Mercer, J. (Co-I), Orlando, L. (Co-I), *The Changing Maya Forest: Agroecological Change and Land-use Dynamics in the Maya Communities of Southern Belize*. National Geographic Society, NGS-CRE Grant, US \$20,000.

Ohio State University

2017-2019 Wainwright, J. (PI), *Barbolla, L. J.* (Co-PI), Herce, F. (Co-PI), **Jiang, S. (Co-PI)**, Kawa, N. (Co-PI), Mercer, J. (Co-PI), Peller, H. (Co-PI), Usheer, K. (Co-PI). *Making Maya milpa: maize farming, agroecological research, and food security in Belize and Ohio State*. The Ohio State University, Initiative for Food and Agricultural Transformation (**InFACT**) Linkage and Leverage Grant, US \$32,000.

2009-2010 **Jiang, S. (PI).** *Urban changes and self-organized spatial dynamics of Beijing in 1978-2008.* Office of International Affairs (**OIA**), The Ohio State University, Dissertation Research Grant, US \$3,300

University at Albany

2016-2018 **Jiang, S. (PI).** *Scaling soil chemistry through foliar chemistry: an integrated approach.* University at Albany Faculty Research Award Program, Category B. (**FRAP B**). US \$3,500

2015-2016 **Jiang, S. (PI).** *Spatial-Temporal Analysis of Crime in Columbus, Ohio.* Center for Social and Demographic Analysis (**CSDA**), SUNY Albany, Junior Faculty Research Award, US \$5,000

RESEARCH PRESENTATIONS

Invited Guest Speaker

2017 “Target-based Approach to Determine Spatio-Temporal Patterns of Crime”, Center for Social and Demographic Analysis Colloquium, SUNY Albany (4/21)

2015 “Spatial variation of warming effects on plants”, Joint Colloquium Series: Department of Atmospheric and Environmental Sciences and Atmospheric Sciences Research Center, SUNY Albany (11/23)

2015 “Remote Sensing Application in Forest Studies”, Huyck Preserve & Biological Research Station (07/30)

2014 “Land Use Land Cover Change with Remote Sensing and Spatial Statistics”, Beijing Tsinghua Urban Planning and Design Institute (07/25)

Presentations at Professional Meetings

(All single-authored unless noted)

2022 Entrepreneurship: An exploratory spatial analysis of business formation across Ohio State, coauthored with Yang, X. et al., Global Emerging Scholars Research Workshop, Annual Meeting of the American Accounting Association (AAA). San Diego, CA.

2021 Spatial pattern of Maya shifting cultivation. American Associate of Geographers (AAG) Annual Meeting (Virtual).

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- 2020 What does K function tell us about point pattern? American Associate of Geographers (AAG) Annual Meeting, Denver, CO. (Conference cancelled due to COVID-19)
- 2019 Linking radial growth phenology to reflection indexes in coniferous species, coauthored with Lapenis. et al., American Geophysical Union (AGU) Fall Meeting, San Francisco, CA.
- 2019 Dynamics of change in the Maya forest, coauthored with Wainwright, J. D. et al., American Associate of Geographers (AAG) Annual Meeting, Washington, D.C.
- 2019 The use of unmanned aircrafts, web-cameras, satellites, and individual tree measurements in understanding and modeling forest phenology across scales, coauthored with Buyantuev, A. et al., US-IALE (US Chapter of the International Association of Landscape Ecology) Annual Meeting, Fort Collins, CO.
- 2018 Space-time clustering analysis: local assessments of crime contagion based on target mobility and targeting strategy, coauthored with Alazawi, M. A. and Messner, S. F., American Society of Criminology (ASC) Annual Meeting, Atlanta, GA.
- 2018 Seasonality and spatial variation of crime in New York City, American Associate of Geographers (AAG) Annual Meeting, New Orleans, LA.
- 2018 City definitions and distributions: Zipf's law seven ways, coauthored with Hehir, J., AAG Annual Meeting, New Orleans, LA.
- 2018 Spatio-temporal analyses of stop, question, and frisk (SQF) in New York City 2006-2016, coauthored with Won, H., AAG Annual Meeting, New Orleans, LA.
- 2018 Spring phenology—A newly identified ecophysiological role of the deciduous forest floor, coauthored with Lapenis, A, et al. Eleventh Workshop of the Northeastern Soil Monitoring Cooperative, USGS New York Water Science Center, Troy, NY.
- 2017 Schools are a hotbed of crime? A spatial point pattern analysis of school segregation and juvenile arrests in New York City, coauthored with Won, H., et al. American Society of Criminology (ASC) Annual Meeting, Philadelphia, PA.
- 2017 Target-based approach to determine spatio-temporal pattern of crime, coauthored with Alazawi, M., et al. American Society of Criminology (ASC) Annual Meeting, Philadelphia, PA.

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- 2017 Reconciliation of plant phenology across scales: understanding the relations between tree physiology dynamics, tree canopy phenology and satellite-observed landscape phenology, coauthored with Lapenis, A, et al. AAG Annual Meeting, Boston, MA.
- 2017 Monitoring vegetative response to climate fluctuation and seasonal change through UAS-based hyperspectral sensor and camera system, coauthored with Buyantuev, A, et al. AAG Annual Meeting, Boston, MA.
- 2017 Spatial variation of plant sensitivity to warming effects, coauthored with Lapenis, A, et al. AAG Annual Meeting, Boston, MA.
- 2016 Forest floor links climate warming to plant phenology, coauthored with Lapenis, A, et al. Tenth Annual Workshop of the Northeastern Soil Monitoring Cooperative, USGS New York Water Science Center, Troy, NY.
- 2016 A geostatistical method to improve image classification accuracy, coauthored with Liu, D, et al. AAG Annual Meeting, San Francisco, CA.
- 2016 Spatial autocorrelation in vacant houses, coauthored with Feng, Y. AAG Annual Meeting, San Francisco, CA.
- 2016 Satellite time-series analyses of dryland landscape change: A case of urbanizing Inner Mongolia in China, coauthored with Buyantuev, A. et al. US-IALE Annual Meeting: Landscape Change, Asheville, NC.
- 2014 Downscaling soil moisture. 2014 NISAR Applications Workshop: Linking Mission Goals to Societal Benefit, US Geological Survey Headquarters, Reston, VA.
- 2013 Estimating spatial quality of categorical data from remote sensing, Annual meeting of the AAG, Los Angeles. (**Awarded the First Prize for the Student Honors Paper Competition, Geographic Information Science and Systems Specialty Group**)
- 2013 APEX model simulation of runoff and non-point source pollution from watersheds with no-till management, coauthored with Gautam, S. et al. Annual meeting of American Society of Agronomy (ASA), Tampa, FL.

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- 2013 Mapping forest-cultivation transition trajectory using spatial-temporal classification of multi-temporal Landsat images: the Maya forest in southern Belize, coauthored with Wainwright, J. et al. Annual meeting of the Ecological Society of America (ESA), Minneapolis, MN.
- 2012 Evaluating per-pixel classification accuracy using probability output of classifiers, coauthored with Liu, D. AAG Annual Meeting, New York City, NY.
- 2011 On chance-adjusted measures for accuracy assessment in remote sensing image classification, coauthored with Liu, D. ASPRS annual conference, Milwaukee, WI.
- 2011 The impact of sampling schemes on identifying error propagation in land cover change detection, coauthored with Liu, D. AAG Annual Meeting, Seattle, WA.
- 2011 Hydrologic response to land-use and land-cover change at a watershed scale, coauthored with Wan, R. et al. AAG Annual Meeting, Seattle, WA.
- 2010 Mapping forest-cultivation transition trajectory using spatial temporal classification of multi-temporal Landsat images, coauthored with Liu, D., et al. ASPRS annual conference, Orlando, FL.
- 2010 Mapping forest age and forest trajectory in a tropical Maya area using multi-temporal Landsat images, coauthored with Liu, D., et al. AAG Annual Meeting, Washington DC.
- 2009 Fractal analysis of crime in Columbus, AAG Annual Meeting, Las Vegas, NV (**Awarded Travel grant from the Spatial Analysis and Modeling Specialty Group**).
- 2009 Modeling the spatial distributions of motor vehicle theft in urban landscape, coauthored with Liu, D., et al. AAG Annual Meeting, Las Vegas, NV.
- 2009 Climate policy: spatial explicit heterogeneity matters – the case of tropical deforestation at Northwestern Ecuador, coauthored with Ortega-Pacheco, D. Latin American and Caribbean Association for Environmental and Natural Resource Economists Congress, San José, Costa Rica.
- 2008 Rural-urban land use of Beijing: fractal form and spatial expansion analysis, AAG Annual Meeting, Boston, MA (**Runner-up Prize in Student Paper Competition, Graduate Student Affinity Group**).

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- 2004 The fractal urban form of Beijing, International Conference on City Change in the 21st Century, Shanghai, China.
- 2002 Allometric analysis of the Hohehot urban system, International Conference on Chinese Cities in the 21st Century, Urumqi, Xinjiang, China.
- 2001 On the boundary of metropolitan area, Colloquium on City and Regional Development-The Mainland and Taiwan, Beijing, China.
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TEACHING

(Instructor unless noted)

State University of New York at Albany

1. GOG101 Introduction to Physical Environment: Spring 2016; both Fall and Spring semester during 2017-2021; every Fall since 2022
2. GOG494/GOG594/PLN594 AI with Geospatial Big Data: every Fall since 2023.
3. GOG422/522 GIS for Social Sciences: Spring 2015, Fall 2016, Fall 2018, Fall 2020; every Spring since 2023
4. GOG529/BIO534 Spatial Statistics: every Spring since 2015
5. GOG518/BIO518/INF508 Ecological Modelling: every Fall during 2014-2016; Fall 2017, Fall 2019; Spring 2022.
6. GOG525 Remote Sensing Applications: Fall 2015
7. EHS612/EPI621 GIS and Public Health (Guest Lecturer): Spring and Fall during 2016-2017, Spring 2022

The Ohio State University

8. Publication Workshop: Making Effective Figures for Technical Publication. 2013.
9. Geog8104 Advanced Remote Sensing: 2013 (Guest Lecturer).
10. Geog883.02 Spatial Data Analysis: Spring during 2011-2012 (Guest Lecturer and Lab Instructor).
11. Initiative in Population Research (IPR) Workshops (Lab Instructor):
 - (1) Introduction to Spatial Statistics for Population and Health Research, 2011.
 - (2) Remote Sensing Applications in Social and Environmental Changes, 2010.

Beijing Tsinghua Urban Planning and Design Institute

12. Technical Planning Workshop: Mathematical Methods for Urban Planning, 2006

Peking University

13. Urban Geography (Teaching Associate), 2002
14. Mathematical Methods in Geography (Lab Instructor), 2001

STUDENT MENTORING AND RESEARCH ADVISING

I have advisees from Department of Geography and Planning, Department of Information Science and Technology, School of Criminal Justice, and School of Public Health, SUNY Albany, and advisees from School of Environment and Natural Resources, Ohio State University. Year after the advisees is the graduation year or collaboration period. Unless otherwise noted, all advisees at Department of Geography and Planning, SUNY Albany.

PhD students: advisor

1. Yutian Feng (2016-2022), Department of Information Science and Technology
2. Mohammed Alazawi (2016-2022), Department of Information Science and Technology

PhD students: co-advisor

1. Yichao Gao (2023-present), School of Criminal Justice, co-advised with Matt Vogel.
2. Haemi Won (2017-2022), School of Criminal Justice, co-advised with Robert E. Worden.

PhD students: committee member

3. Maggie Munkhjargal (2016-2018), School of Public Health

MA students: advisor

4. Yutian Feng (2015-2016)
5. Nafin Harun (2015-2016)

MS candidates: committee member

6. Lauren Rose (2022-present)
7. Collin J O'Connor (2020), School of Public Health
8. Erin Sanderson (2015); exam committee only; Department of Biology

Graduate research advisees

9. Agostinho Rodrigues (2023-present)

Undergraduate research advisees

10. Alyssa A Kamara (2022). Major: Economics & Public Health
11. Jonathan Hehir (2016-2018). Major: Mathematics; Minor: Geography

12. Kevin Sheehan (2016). Major: Mathematics.

Postdoctoral Researcher

13. Toru Nakajima (2014), Carbon Management and Sequestration Center, School of Environment and Natural Resources, The Ohio State University (Co-advised with Rattan Lal).

Visiting scholars

14. Anping Bi (2022-2023)

15. John B. Davis (2016-2017)

16. Asma Hassana (2013-2014), Carbon Management and Sequestration Center, School of Environment and Natural Resources, The Ohio State University (Co-advised with Rattan Lal).

17. Samanpreet Kaur Baweja (2014), Carbon Management and Sequestration Center, School of Environment and Natural Resources, The Ohio State University (Co-advised with Rattan Lal)

SERVICE

Departmental

2023-present Director, Geography BA Program, Department of Geography and Planning, University at Albany, SUNY.

2018 Spring Interim Co-Advisor for Graduate Studies, Department of Geography and Planning, University at Albany, SUNY.

2017-present MSGIS Program Admission Committee, Department of Geography and Planning, University at Albany, SUNY.

2015-present Chair, GIS Curriculum Subcommittee, Department of Geography and Planning, University at Albany, SUNY.

College (College of Arts and Sciences, CAS)

2018-2020 Academic Programs Committee, College of Arts and Sciences Faculty Council (CASFC), University at Albany, SUNY.

University

2018-2020 Committee on Research (CoR), University Senate, University at Albany, SUNY.

2016-2019 Graduate Graduation Ceremony, University of Albany, SUNY

2016- Advisor, University of Albany - SUNY Chapter, American Statistical Association
 2014 University Fall Open House

Professional

2010-2011 Member, Website Committee, The International Association of Chinese Professionals in Geographic Information Sciences (CPGIS).
 2009-2010 Member, Newsletter Committee, The International Association of Chinese Professionals in Geographic Information Sciences (CPGIS).

Referee

Grant Proposal (Ad-hoc reviewer)

- U.S. National Science Foundation (NSF)

Book Publisher

- Springer

Academic Journals

Annals of GIS; Cities; Computers, Environment and Urban Systems; Environment Management; Geographical Research; GeoJournal; International Journal of Digital Earth; Middle States Geographer; Journal of Geography & Natural Disasters; PLOS ONE; Remote Sensing of Environment; Science of Remote Sensing; Transactions in GIS; Remote Sensing; Photogrammetric Engineering & Remote Sensing; Environment and Planning B: Urban Analytics and City Science (EPB)

Referee (Other)

- *Rights and Resources Initiative*. Provided review and consultancy as an expert in remote sensing of forest for Belize Maya

Service Associated with Professional Meetings

2020 Chair and Organizer of a session: Spatial Autocorrelation Matters, AAG Annual Meeting, Denver, CO (conference cancelled due to COVID-19).
 2018 Chair and Organizer of a session: Spatio-temporal Analysis of Crime, AAG Annual Meeting, New Orleans, LA.
 2017 Panelist, Becoming a Biogeographer: Advice from a panel of experts, AAG Annual Meeting, Boston, MA.
 2017 Chair and co-organizer of a series of two sessions: Phenological Responses to Climate Change, AAG Annual Meeting, Boston, MA.
 2016 Chair and co-organizer of a series of two sessions: Classification Methods and Accuracy Assessment in Land Cover Mapping, AAG Annual Meeting, San Francisco, CA

2010 Chair of a session, Utilize Spatial Analysis and Modeling for Remote Sensing Data Processing, AAG Annual Meeting, Washington, DC.

HONORS & AWARDS

2021 **Nominee for College of Arts and Sciences Dean's Award for Outstanding Achievement in Teaching**, College of Arts and Sciences, SUNY Albany.

2013 **First Place in Student Honors Paper Competition**, Geographic Information Science and Systems Specialty Group, Annual meeting of the AAG, Los Angeles.

2009 **Travel Award for Graduate Student Paper Competition**, Spatial Analysis and Modeling Specialty Group, Annual meeting of the AAG, Las Vegas.

2008 **Runner-up Prize in Student Paper Competition**, Graduate Student Affinity Group, Annual meeting of the AAG, Boston.

2006 **Award for Outstanding Research**, Tsinghua Urban Planning & Design Institute

2002 **ING Antai Fellowship**, Peking University, China.

2001 **Honor Graduate**, privilege to enter the M.S. program with the waiver of the graduate school entrance exam, Peking University, China.

2000 **Third Prize in the National Competition of Field Studies on Rural Development**, Development Research Center of the State Council, China.

1999 **Motorola Fellowship**, Peking University, China.

TRAVEL GRANTS FOR PROFESSIONAL MEETINGS

2016-2019 CAS Travel Grant (\$800-\$1000, yearly). University at Albany.

2013 Geography Travel Grant (\$350). Ohio State University.

2012 CWC and Geography Travel Grant (\$1,402.84). Ohio State University.

2011 CWC and Geography Travel Grant (\$758.23). Ohio State University.

2011 CWC and Geography Travel Grant (\$965.30). Ohio State University.

2010 CWC (Climate, Water, and Carbon) Travel Grant (\$278.33). Ohio State University.

2010 Geography Travel Grant (\$400, declined). Ohio State University.

2009 Geography Travel Grant (\$400). Ohio State University.

- 2008 Geography Travel Grant (\$400). Ohio State University.
2004 Geography Travel Grant (\$200). Peking University.
2002 Geography Travel Grant (\$200). Peking University.
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SELECTED URBAN PLANNING/CONSULTING WORK (of 22 total)

Comprehensive Plan and Regional Plan

1. Erdos Municipal Government, Inner Mongolia Autonomous Region, 2007.
2. Beijing Municipal Government, 2006.
3. Nanchang Municipal Government, Jiangxi Province, 2005.
4. Yinchuan Municipal Government, Ningxia Hui Autonomous Region, 2004.

Studies on Development Strategy

5. Urban Agglomerations in Shandong Peninsula (eight cities including Tsingtao, Ji'nan, etc), 2003.
6. Hohhot Metropolitan Area (one central city, eight counties and their seats), 2002.
7. Hangzhou Metropolitan Area (one central city, six counties and their seats), 2001.