YUJIE HU

Assistant Professor | Department of Geography | University of Florida

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EDUCATION

2016	Ph.D., Geography, Louisiana State University
2012	M.S., Cartography and GIS, East China Normal University
2009	B.S., GIS, North China University of Water Resources and Electric Power

RESEARCH AND TEACHING INTERESTS

Subjects: Spatial networks; human mobility; transportation; health services research

Methods: GIS; network science; machine learning; spatial modeling and analysis

PROFESSIONAL APPOINTMENTS

2019 – present	Assistant Professor, Department of Geography, University of Florida
2023 – present	Adjunct Faculty, Anita Zucker Center for Excellence in Early Childhood Studies, University of Florida
2019 – present	Affiliate Faculty, Informatics Institute, University of Florida
2019 – present	Affiliate Faculty, Transportation Institute, University of Florida
2017 – 2019	Assistant Professor, School of Geosciences, University of South Florida
2016 – 2017	Research Fellow, Kinder Institute for Urban Research, Rice University
2012 – 2016	Research Assistant, Department of Geography & Anthropology, Louisiana State University
2011 – 2012	Research Scholar, Department of Geography, University of Utah

FELLOWSHIPS, HONORS, AND AWARDS

2019 – 2020	Ralph E. Powe Junior Faculty Enhancement Awards, Oak Ridge Associated Universities
2017 – 2022	Fellow, Kinder Institute for Urban Research, Rice University
2016	William Haag Graduate Award, Department of Geography & Anthropology, Louisiana State University
2016	Student Travel Award, Urban Geography Specialty Group, American Association of Geographers
2015	AAG International Geographic Information Fund Student Travel Grants, The Association of American Geographers
2014	Outstanding Graduate Student Research Award, Southeastern Association of State Highway and Transportation Officials
2014	Graduate Student Research Paper Award, East China Normal University

2011   Excellent Graduate Student Fellowship, East China Normal University

PROFESSIONAL AFFILICATIONS

American Association of Geographers (2015-)

American Association for the Advancement of Science (2017-)

International Association of Chinese Professionals in Geographic Information Sciences (2018-)

International Network for Social Network Analysis (2020-)

Network Science Society (2020-)

Network on European Communications and Transport Activities Research (2020-2021)

Southeastern Division of the American Association of Geographers (2018-)

RESEARCH EXPERIENCE

PUBLICATIONS

Peer-Refereed Journal Articles

1. Hu, Y., & Huang, J. (2023). Delineating and comparing local labor market geographies of Millennials, Generation Xers, and Baby Boomers. *Travel Behaviour and Society*, *30*, 325–334.
2. Jing, Y., Hu, Y., & Niedzielski, M. A. (2023). Neighborhood divides: Where you live matters for commuting and its efficiency. *Cities*, *132*, 104091.
3. Han, Y., Hu, Y., Zhu, H., & Wang, F. (2023). A cyclically adjusted spatio-temporal kernel density estimation method for predictive crime hotspot analysis. *Annals of GIS*, *29*(2), 177-191.
4. Xu, M., Zhou, H., Hu, Y., & Duan, L. L. (2023). Bayesian inference using the proximal mapping: Uncertainty quantification under varying dimensionality. *Journal of the American Statistical Association*, DOI: 10.1080/01621459.2023.2220170.
5. Tanim, S. H., Reader, S., & Hu, Y. (2023). Predicting hurricane evacuation for local neighborhoods across a metropolitan region. *International Journal of Disaster Risk Reduction*, 104117.
6. Hu, Y. (2022). The unequal commute: Comparing commuting patterns across income and racial worker subgroups. *Environment and Planning A: Economy and Space*, *54*(3), 437-440.
7. Jing, Y., & Hu, Y. (2022). The unequal commuting efficiency: A visual analytics approach. *Journal of Transport Geography*, *100*, 103328.
8. Haider, Z., Hu, Y., Charkhgard, H., Himmelgreen, D., & Kwon, C. (2022). Creating grocery delivery hubs for food deserts at local convenience stores via spatial and temporal consolidation. *Socio-Economic Planning Sciences*, *82*, 101301.
9. Luo, J., Hu, Y., Davids, K., Zhang, D., Gouin, C., Li, X., & Xu, X. (2022). Vision-based movement recognition reveals badminton player footwork using deep learning and binocular positioning. *Heliyon*, *8*(8), e10089.

10. Bohnett, E., Vacca, R., Hu, Y., Hulse, D., & Varda, D. (2022). Resilience and fragmentation in healthcare coalitions: The link between resource contributions and centrality in health-related interorganizational networks. *Social Networks*, *71*, 87-95.

11. Glover, B., Mao, L., Hu, Y., & Zhang, J. (2022). Enhancing the Retail Food Environment Index (RFEI) with Neighborhood Commuting Patterns: A Hybrid Human− Environment Measure. *International Journal of Environmental Research and Public Health*, *19*(17), 10798.

12. Liu, Y., Ruiz-Menjivar, J., Hu, Y., Zavala, M., & Swisher, M. E. (2022). Knowledge Mapping of the Extant Literature on the Environmental Impacts of Using Cover Crops—A Scientometric Study. *Environments*, *9*(9), 120.

13. Tanim, S. H., Wiernik, B. M., Reader, S., & Hu, Y. (2022). Predictors of hurricane evacuation decisions: A meta-analysis. *Journal of Environmental Psychology*, *79*, 101742.

14. Qiu, J., Jing, Y., Peng, W., Du, L., & Hu, Y. (2022). Identifying critical transfer zones to coordinate transit with on-demand services using crowdsourced trajectory data, *Journal of Intelligent Transportation Systems*, DOI: 10.1080/15472450.2022.2132389.

15. Hu, Y. & Li, X. (2021). Modeling and analysis of excess commuting with trip chains. *Annals of the American Association of Geographers*, *111*(6), 1851-1867.

16. Huang, J., Hu, Y., Wang, J., & Li, X. (2021). A tale of two cities: Jobs–housing balance and urban spatial structures from the perspective of transit commuters. *Environment and Planning B: Urban Analytics and City Science*, *48*(6), 1543-1557.

17. Wang, D., White, J. R., Delaune, R. D., Yu, Z., & Hu, Y. (2021). Peripheral freshwater deltaic wetlands are hotspots of methane flux in the coastal zone. *Science of The Total Environment*, *775*, 145784.

18. Zhang, F., Fan, Z., Kang, Y., Hu, Y., & Ratti, C. (2021). "Perception bias": Deciphering a mismatch between urban crime and perception of safety. *Landscape and Urban Planning*, *207*, 104003.

19. Mardini, M. T., Nerella, S., Kheirkhahan, M., Ranka, S., Fillingim, R. B., Hu, Y., ... & Manini, T. M. (2021). The Temporal Relationship Between Ecological Pain and Life-Space Mobility in Older Adults With Knee Osteoarthritis: A Smartwatch-Based Demonstration Study. *JMIR mHealth and uHealth*, *9*(1), e19609.

20. Downs, J., Buck, C., Qarah, F., & Hu, Y. (2020). Spatial analysis of potential nesting habitat for Florida sandhill cranes. *Journal of Fish and Wildlife Management*, *11*(2), 443-454.

21. Hu, Y., Wang, C., Li, R., & Wang, F. (2020). Estimating a large drive time matrix between ZIP codes in the United States: A differential sampling approach. *Journal of Transport Geography*, *86*, 102770.

22. Niedzielski, M. A., Hu, Y., & Stępniak, M. (2020). Temporal dynamics of the impact of land use on modal disparity in commuting efficiency. *Computers, Environment and Urban Systems*, *83*, 101523.

23. Zhu, Y. J., Hu, Y., & Collins, J. M. (2020). Estimating road network accessibility during a hurricane evacuation: A case study of hurricane Irma in Florida. *Transportation Research Part D: Transport and Environment*, *83*, 102334.

24. Wang, F., Wang, C., Hu, Y., Weiss, J., Alford-Teaster, J., & Onega, T. (2020). Automated delineation of cancer service areas in northeast region of the United States: a network optimization approach. *Spatial and Spatio-temporal Epidemiology*, *33*, 100338.

25. Antipova, A., Sultana, S., Hu, Y., & Rhudy, J. P. (2020). Accessibility and Transportation Equity. *Sustainability*, *12*, 3611.

26. Balomenos, G. P., Hu, Y., Padgett, J. E., & Shelton, K. (2019). Impact of Coastal Hazards on Residents' Spatial Accessibility to Health Services. *Journal of Infrastructure Systems*, *25*(4): 04019028.

27. Hu, Y., Zhang, Y., Lamb, D., Zhang, M., & Jia, P. (2019). Examining and optimizing the BCycle bike-sharing system – A pilot study in Colorado, US. *Applied Energy*, *247*: 1-12.

28. Hu, Y. & Downs, J. (2019). Measuring and Visualizing Place-Based Space-Time Job Accessibility. *Journal of Transport Geography*, *74*: 278-288.

29. Hu, Y., Wang, F., Guin, C., & Zhu, H. (2018). A Spatio-Temporal Kernel Density Estimation Framework for Predictive Crime Hotspot Mapping and Evaluation. *Applied Geography*, *99*: 89-97.

30. Hu, Y., Zhang, Y., & Shelton, K. S. (2018). Where are the Dangerous Intersections for Pedestrians and Cyclists: A Colocation-Based Approach. *Transportation Research Part C: Emerging Technologies*, *95*: 434-441.

31. Hu, Y., Wang, F., & Xierali, I. (2018). Automated Delineation of Hospital Service Areas and Hospital Referral Regions by Modularity Optimization. *Health Services Research*, *53*(1): 236-255.

32. Xu, T., Xu, X., Hu, Y., & Li, X. (2017). An entropy-based approach for evaluating travel time predictability based on vehicle trajectory data. *Entropy*, *19*(4), 165.

33. Hu, Y., Wang, F., & Wilmot, C. G. (2017). Commuting variability by wage groups in Baton Rouge, 1990–2010. *Papers in Applied Geography*, *3*(1), 14-29.

34. Wang, F., Hu, Y., Wang, S., & Li, X. (2017). Local Indicator of Colocation Quotient with a Statistical Significance Test: Examining Spatial Association of Crime and Facilities. *The Professional Geographer*, *69*(1): 22-31.

35. Hu, Y., & Wang, F. (2016). Temporal trends of intraurban commuting in Baton Rouge, 1990–2010. *Annals of the American Association of Geographers*, *106*(2), 470-479.

36. Ikram, S. Z., Hu, Y., & Wang, F. (2015). Disparities in spatial accessibility of pharmacies in Baton Rouge, Louisiana. *Geographical Review*, *105*(4), 492-510.

37. Hu, Y., & Wang, F. (2015). Decomposing excess commuting: A Monte Carlo simulation approach. *Journal of Transport Geography*, *44*, 43-52.

38. Hu, Y., Miller, H. J., & Li, X. (2014). Detecting and analyzing mobility hotspots using surface networks. *Transactions in GIS*, *18*(6), 911-935.

39. Liu, L., Wang, D., Deng, H., Li, Y., Chang, S., Wu, Z., ... & Chen, Z. (2014). The capability of estuarine sediments to remove nitrogen: implications for drinking water resource in Yangtze Estuary. *Environmental Science and Pollution Research*, *21*(18), 10890-10899.

40. Li, X., Hu, Y., Xie, J., & Sun, J. (2013). An efficient approach to building image-based road network model. *Annals of GIS*, *19*(4), 209-217.

41. Xu, X., Li, X., Hu, Y., & Peng, Z. (2012). A novel algorithm to identifying vehicle travel path in elevated road area based on GPS trajectory data. *Frontiers of Earth Science*, *6*(4), 354-363.
42. Hu, Y., & Li, X. (2010). Find a center's service area of a geographic network by the shortest path algorithm (in Chinese with English abstract). *Geography and Geo-Information Science* *26*(3): 111-112.

Books & Book Chapters

43. Hu, Y. & Wang, F. (2018). *GIS-Based Simulation and Analysis of Intra-Urban Commuting*. Boca Raton, FL: **CRC Press**.
44. Hu, Y., & Reader, S. (2019). GIS and Health. In B. Warf (Ed.). *Oxford Bibliographies in "Geography"*. New York: Oxford University Press. DOI: 10.1093/obo/9780199874002-0211.
45. Hu, Y., & Wang, F. (2017). Temporal Trends of Intraurban Commuting in Baton Rouge, 1990–2010. In M. Kwan & T. Schwanen (Eds.). *Geographies of Mobility: Recent Advances in Theory and Method*. New York: Routledge.
46. Hu, Y., & Wang, F. (2015). Monte Carlo Method and Application in Urban Traffic Simulation. In F. Wang (Ed.). *Quantitative Methods and Socioeconomic Applications in GIS* (2nd ed.). Boca Raton, FL: CRC Press.

Book Reviews

47. Gouin, C., & Hu, Y. (2023). Right of Way: Race, Class, and the Silent Epidemic of Pedestrian Deaths in America by Angie Schmitt. *Southeastern Geographer*, *63*(1), 119-122.

Peer-Refereed Conference Proceedings

48. Chen, Q., Yi, H., Hu, Y., Xu, X., & Li, X. (2018, June). A New Method of Selecting K-means Initial Cluster Centers Based on Hotspot Analysis. In *2018 26th International Conference on Geoinformatics* (pp. 1-6). IEEE.
49. Ye, J., Hu, Y., Xu, X., Yi, H., & Li, X. (2018, June). Evaluate Errors of 1-median Model: A Case Study in Spring Hill, FL, US. In *2018 26th International Conference on Geoinformatics* (pp. 1-6). IEEE.
50. Hu, Y., Li, X., Xie, J., & Guo, L. (2011, June). A novel approach to extracting street lamps from vehicle-borne laser data. In *2011 19th International Conference on Geoinformatics* (pp. 1-6). IEEE.
51. Hu, Y., Li, X., & Li, M. (2010, May). A novel approach to delineating the service area of facilities in a network. In *2010 2nd International Conference on Future Computer and Communication* (Vol. 2, pp. V2-35). IEEE.

Research Reports

52. Wu, J., Hu, Y., Zhang, M., & Patterson, G. (2018). Accessing Opportunity: Employment and Community Patterns among Low-, Medium-, and High-Wage Workers in Houston. *Rice University: Kinder Institute for Urban Research*, October.

53. Hu, Y., & Shelton, K. (2017). Dangerous Crossings: The Links Between Intersections and Crashes in Houston. *Rice University: Kinder Institute for Urban Research*, June.

GRANTS

Awarded

07/01/2023 – 06/30/2028	Co-I, Sunshine State Early Childhood Information Portal, Florida Division of Early Learning, $7,727,242 (PI – Knopf, H. T.)
09/01/2023 – 08/31/2026	Co-PI, Collaborative Research: ATD: Geospatial Modeling and Risk Mitigation for Human Movement Dynamics under Hurricane Threats, National Science Foundation, $255,000 (PI – Duan, L.)
07/01/2022 – 06/30/2023	Co-I, Sunshine State Early Childhood Information Portal: Florida's Early Childhood Integrated Data System Year 3, US Administration for Children and Families Preschool Development Grant B-5, Florida's Office of Early Learning, $787,543 (PI – Knopf, H. T.)
06/22/2020 – 12/22/2020	PI, Socioeconomic Impacts of COVID-19: A Criminological Perspective, UFII COVID-19 Response Seed Funding, $20,000
08/16/2019 – 05/31/2020	PI, Automated Delineation of Hospital Service Areas and Hospital Referral Regions, Oak Ridge Associated Universities, $10,000
02/15/2019 – 02/14/2020	Co-PI, Incorporating mixed automated vehicle traffic in capacity analysis and system planning decisions, CTEDD: Center for Transportation Equity, Decisions and Dollars, US DOT, $35,000 (PI – Li, X.)
09/01/2017 – 08/31/2018	Consultant, Automated Delineation of Cancer Service Areas, The National Cancer Institute (NCI), National Institutes of Health (NIH), $10,000 (PI – Onega, T. & Wang, F.)

Unawarded (Last Two Years)

09/2023 – 08/2026	PI, Dynamics of Urban Human Mobility Under the Influences of Social Vulnerability and Natural Hazards, National Science Foundation, $401,483
01/2023 – 12/2025	PI, Collaborative Research: Risk-informed and demand-driven proactive planning for post-earthquake telecommunication restoration in the 5G era, National Science Foundation, $200,000
05/2023 – 04/2028	PI, CAREER: Leveraging Geographic Science and Network Science to Develop Novel Models, National Science Foundation, $529,312
09/2022 – 08/2025	PI, HNDS-R: Urban human mobility socioeconomic inequalities and dynamics under natural hazards, National Science Foundation, $312,333
09/2022 – 08/2026	PI, Vulnerability assessment and mitigation of transportation infrastructure in coastal urban-rural systems: modeling access to essential services using multisource big data, National Science Foundation, $500,000

05/2022 –   PI, CAREER: Leveraging Geographic Science and Network Science to Develop
04/2027   Novel Models, National Science Foundation, $499,999
08/2022 –   PI, CIVIC-PG Track A: Building Resilient and Adaptive Coastal Communities through
01/2023   Proactive and Collaborative Smart Infrastructures, National Science Foundation,
                  $8,000
04/2022 –   Co-PI, Learning low-dimensional structure and making prediction on high
03/2023   dimensional flow network, Amazon, $65,630

PRESENTATIONS AT PROFESSIONAL CONFERENCES

2023   Delineating and Comparing Local Labor Market Geographies of Millennials, Generation Xers, and Baby Boomers Using Spatial Networks. AAG Annual Meeting 2023, Denver, Colorado, March 23.

2021   Automated Delineation of Hospital Service Areas and Hospital Referral Regions by Modularity Optimization. Networks 2021: A Joint Sunbelt and NetSci Conference, virtual, July 6.

2021   Automated Delineation of Hospital Service Areas and Hospital Referral Regions by Modularity Optimization. The 28th International Conference on Geoinformatics, virtual, November 1.

2019   Where are the Dangerous Intersections for Pedestrians and Cyclists: A Colocation-Based Approach. The 49th Urban Affairs Association Annual Conference, Los Angeles, California, April 25.

2019   Where are the Dangerous Intersections for Pedestrians and Cyclists: A Colocation-Based Approach. AAG Annual Meeting 2019, Washington DC, April 3.

2018   Where are the Dangerous Intersections for Pedestrians and Cyclists: A Colocation-Based Approach. SEDAAG Annual Meeting 2018, Johnson City, Tennessee, November 18.

2018   Temporal Trends of Intraurban Commuting Patterns and Efficiency in Baton Rouge 1990-2010. AAG Annual Meeting 2018, New Orleans, Louisiana, April 11.

2017   Decomposing Excess Commuting: A Monte Carlo Simulation Approach. AAG Annual Meeting 2017, Boston, Massachusetts, April 6.

2016   Local Indicator of Colocation Quotient with a Statistical Significance Test: Examining Spatial Association of Crime and Facilities. AAG Annual Meeting 2016, San Francisco, California, April 1.

2016   Delineation of Hospital Service Areas and Hospital Referral Regions by Modularity Optimization. AAG Annual Meeting 2016, San Francisco, California, March 30.

2015   Place-Based Commuting Variability by Wage Groups in Baton Rouge 1990-2010. AAG Annual Meeting 2015, Chicago, Illinois, April 25.

2014   Using Monte Carlo Simulation to Estimate Travel Demand and Excess Commuting. SASHTO 2014, New Orleans, Louisiana, August 25.

2013   Storm Surge Simulation with LiDAR Digital Elevation Model – a Hydrologically Enforced Approach. The 29th Annual Louisiana Remote Sensing and GIS Workshop, Lafayette, Louisiana, April 23.

2011   A Novel Approach to Extracting Street Lamps from Vehicle-Borne Laser Data. The 19th International Conference on Geoinformatics, Shanghai, China, June 25.

2010   A Novel Approach to Delineating the Service Area of Facilities in Network. The 2nd International Conference on Future Computer and Communication, Wuhan, China, May 22.

PRESENTATIONS AT WORKSHOPS

2017   Dangerous Crossings: The Relationship Between Intersections and Crashes in Houston. NNIP Idea Showcase, Urban Institute, July 20.

2017   Examining the Colocation Patterns between Traffic Crashes and Intersections. The Center for Texas Beaches and Shores Workshop at Texas A&M University, Galveston, Texas, March 2.

CONFERENCE SESSION ORGANIZER

2019   Organizer and chair, Travel and the built environment session, AAG Annual Meeting 2019, Washington DC, April 3-7.

2019   Organizer, Accessibility and the journey-to-work session, AAG Annual Meeting 2019, Washington DC, April 3-7.

INVITED TALKS

2023   Modeling and Analysis of Excess Commuting with Trip Chains. Department of Geography Colloquium Series, University of Florida, April 20, 2023.

2021   Constructing Optimal Geographic Units for Health Care Markets. Department of Geography Seminar Series, Florida State University, October 15, 2021.

2020   Examining the relationship between COVID-19 and crime—A pilot study in Florida. UFII COVID-19 SEED Awardees Virtual Seminar Series, University of Florida, December 5, 2020.

2019   Detecting the Dangerous Intersections for Pedestrians and Cyclists using GIS. Institute of Transportation Engineers Seminar, University of Florida, October 24.

2019   Socio-Economic Applications of GIS. International Center for Adaption Planning and Design Seminar, University of Florida, September 27.

2018   Where are the Dangerous Intersections for Pedestrians and Cyclists: A Colocation-Based Approach. Transportation Research Seminar, Center for Urban Transportation Research, University of South Florida, March 2.

MEDIA COVERAGE

2023   "Lack of affordable homes means longer commute times for more people in the Tampa metro area," WUSF Public Media - WUSF 89.7. https://wusfnews.wusf.usf.edu/local-state/2023-02-13/lack-of-affordable-homes-means-longer-commute-times-for-more-people-in-the-tampa-metro-area, February 14.

2017   "Study: Intersections With Traffic Lights Are Nine Times More Dangerous," Houston Public Media News 88.7 (radio). https://www.houstonpublicmedia.org/articles/news/2017/07/12/221185/study-intersections-with-traffic-lights-are-nine-times-more-dangerous/, July 12.

2017   "New study finds intersections with stoplights more likely to see deadly crashes," ABC13 EYEWITNESS NEWS at 6PM (TV). http://abc13.com/news/intersections-with-stoplights-likely-to-see-crashes/2087712/, June 12.

TEACHING AND MENTORING EXPERIENCE

COURSES TAUGHT

University of Florida

- GIS4113/6104 Spatial Networks
- GEO3602 Urban/Business Geography
- GEO4700/6706 Transportation Geography

University of South Florida

- GIS4043 Geographic Information Systems
- GIS6307 GIS Seminar: Socioeconomic Applications of GIS

University of Florida				
Term	**Course Number**	**Course Title**	**Credit Hours**	**Evaluation Score**
Spr23	GEO3602	Urban/Business Geography	3	4.72
Fall22	GEO4700	Transportation Geography	3	4.81
Fall22	GEO6706	Transportation Geography	3	4.67
Fall22	GIS4113	Spatial Networks	3	4.88
Fall22	GIS6104	Spatial Networks	3	4.00
Spr22	GEO3602	Urban/Business Geography	3	4.65
Fall21	GIS4113	Spatial Networks	3	4.71
Fall21	GIS6104	Spatial Networks	3	4.30
Spr21	GEO3602	Urban/Business Geography	3	4.70
Fall20	GEO4938	Transportation Geography	3	4.79
Fall20	GEO6938	Transportation Geography	3	5.00
Fall20	GIS4113	Spatial Networks	3	4.82
Fall20	GIS6104	Spatial Networks	3	4.75
Spr20	GEO3602	Urban/Business Geography	3	4.83
Fall19	GIS4113	Spatial Networks	3	4.96
Fall19	GIS6104	Spatial Networks	3	4.94

University of South Florida				
Term	**Course Number**	**Course Title**	**Credit Hours**	**Evaluation Score**

Spr19	GIS4043 (003)	Geographic Information Systems	3	4.85
Spr19	GIS4043 (002)	Geographic Information Systems	3	4.29
Fall18	GIS6307	GIS Seminar	3	4.81
Fall18	GIS4043 (002)	Geographic Information Systems	3	4.60
Fall18	GIS4043 (001)	Geographic Information Systems	3	4.50
Spr18	GIS4043 (002)	Geographic Information Systems	3	4.60
Fall17	GIS4043 (003)	Geographic Information Systems	3	4.69

GUEST INSTRUCTION

University of Florida: GEO3502 Economic Geography (Fall21; Fall22; Spr23; Fall23)

University of South Florida: TTE4005 Transportation Engineering II (Spr19)

Louisiana State University: GEOG7945 Socio-Economic Applications of GIS (Fall15)

PHD COMMITTEES

Institution	Faculty Role	Student	Degree Sought	Complete Date
University of Florida	Chair	Yue Jing	Geography	Anticipated Spr25
University of Florida	Chair	Zeyu He	Geography	Anticipated Spr26
University of Florida	Member	Debjani Das	Geography	Anticipated Spr26
University of Florida	Member	David Russell	Geography	Anticipated Spr26
University of Florida	Member	Jawata Saba	Geography	Anticipated Spr25
University of Florida	Member	Bailey Glover	Geography	Dropped Fall21
University of Florida	Member	Anran Zheng	Transportation Engineering	Anticipated Spr26
University of Florida	Member	Yuting An	Health and Human Performance	Sum23
University of Florida	Member	Charles Grigsby-Calage	Food and Resource Economics	Sum23
University of Florida	Member	Luwei Wang	Design, Construction & Planning	Spr23

University of Florida	Member	Ammar Mandourah	Forest Resources & Conservation	Fall22
University of South Florida	Co-Chair	Shakhawat Tanim	Geography, Environmental Science & Policy	Serving Fall17 – Fall21
University of South Florida	Member	Xiaowei Shi	Transportation Engineering	Spr21
University of South Florida	Member	Zulqarnain Haider	Industrial Engineering	Spr20
University of South Florida	Member	Michelle Saunders	Geography, Environmental Science & Policy	Spr20
University of South Florida	Member	Natalia Barbour	Transportation Engineering	Spr19
University of South Florida	Member	Yijie Zhu	Geography, Environmental Science & Policy	Serving Spr19 – Fall20
University of South Florida	Member	Saurav Chakraborty	Geography, Environmental Science & Policy	Serving Fall18 – Spr19
University of South Florida	Member	Nodjidoumde Mbaigoto	Geography, Environmental Science & Policy	Serving Fall18 – Spr19
University of South Florida	Member	Lubana Mazumder	Geography, Environmental Science & Policy	Serving Fall18 – Spr19
University of South Florida	Member	Jeff Burton	Geography, Environmental Science & Policy	Serving Fall18 – Spr19
University of South Florida	Member	Osen Pongen	Geography, Environmental Science & Policy	Serving Fall18 – Spr19
University of South Florida	Member	Nigel Joseph	Geography, Environmental Science & Policy	Serving Fall17 – present
Louisiana State University	Member	Cehong Luo	Geography	Anticipated Spr24
Louisiana State University	Member	Shaun Williams	Geography	Spr22
Louisiana State University	Member	Ya Han	Geography	Spr21

MASTER'S COMMITTEES

Institution	Faculty Role	Student	Degree Sought	Complete Date
University of Florida	Chair	Jinpeng Wang	Geography	Anticipated Spr24

University of Florida	Chair	Cade Gouin	Geography	Spr23
University of Florida	Member	John Newman	Geography	Spr20
University of Florida	Member	Juan Villa	Geography	Anticipated Spr24
University of South Florida	Chair	Bailey Glover	Environmental Science & Policy	Spr19
University of South Florida	Member	Katie Wagner	Environmental Science & Policy	Spr20
University of South Florida	Member	Mathew Bauld	Geography	Spr19
University of South Florida	Member	Christianne Pearce	Environmental Science & Policy	Spr19
University of South Florida	Member	Courtney Buck	Environmental Science & Policy	Spr19

UNDERGRADUATE HONORS THESIS

Institution	Faculty Role	Student	Degree Sought	Complete Date
University of Florida	Faculty Advisor	Finn Rimay	Microbiology and Cell Science	Sum23

SERVICE ACTIVITIES

SCIENTIFIC AD HOC REVIEWS

Scientific Journals

Acta Polytechnica

Acta Tropica

Annals of the American Association of Geographers

Annals of GIS

Applied Geography

Applied Spatial Analysis and Policy

BMJ Global Health

Cities

Computers, Environment and Urban Systems

Data-Enabled Discovery and Applications

Environment and Planning B: Urban Analytics and City Science

Environmental Monitoring and Assessment

Frontiers of Earth Science

Geographical Analysis

GeoJournal

Geographical Research

Growth and Change: A Journal of Urban and Regional Policy

Humanities and Social Sciences Communications

International Journal of Environmental Research and Public Health

International Journal of Hospitality Management

International Journal of Sustainable Transportation

International Regional Science Review

Journal of Environmental Management

Journal of Maps

Journal of Regional Science

Journal of Transport Geography

Landscape and Urban Planning

Papers in Applied Geography

Physica A: Statistical Mechanics and its Applications

PLOS ONE

Preventing Chronic Disease

Research in Transportation Business & Management

Scientific Reports

Singapore Journal of Tropical Geography

Socio-Economic Planning Sciences

Southeastern Geographer

Sustainable Cities and Society

Sustainability Science

The Professional Geographer

Transactions in GIS

Transportation

Transportation Research Board Annual Meeting

Transportation Research Part D: Transport and Environment

Transportation Research Record

Travel Behaviour and Society

Urban Geography

地理科学 (Scientia Geographica Sinica)

地理研究 (Geographical Research)

资源科学 (Resources Science)

Grants & Awards

- Borders, Trade, and Immigration (BTI) Institute
- National Institute for Congestion Reduction (NICR)
- National Science Foundation (NSF)
- Oak Ridge Associated Universities (ORAU) Ralph E. Powe Junior Faculty Award
- Research Grants Council (RGC) of Hong Kong
- The John Odland Competition of AAG Spatial Analysis & Modeling (SAM) Specialty Group
- University of Florida Informatics Institute (UFII) COVID-19 SEED Fund Program

Book Publishers

- Chapman & Hall/CRC
- CRC Press
- Routledge Press

JOURNAL BOARDS AND EDITORSHIPS

2023 – present   Computers, Environment and Urban Systems

2023 – present   Scientific Reports

2022 – present   Humanities & Social Sciences Communications

2020 – present   Southeastern Geographer

2019   Guest Editor of special issue "Accessibility and Transportation Equity" in Sustainability

COMMITTEES

International/National

2020 – 2023	Committee Member, T&DI (Transportation & Development Institute) Technical Committee on Artificial Intelligence, American Society of Civil Engineers
2018 – 2022	Board Member, Transportation Geography Specialty Group, American Association of Geographers
2020 – 2021	Newsletter Editorial Committee, International Association of Chinese Professionals in Geographic Information Sciences
2019	External Reviewer, Earth Sciences' Major Field Test, University of Memphis

University

2020 – present	Faculty mentor of the University Multicultural Mentor Program (UMMP), University of Florida
2022 – 2023	Faculty advisor of Computer Science majors on senior design project, University of Florida
2020	Affiliate Faculty, contributed to the creation of the strategic plan for the UF Transportation Institute new initiative on Sustainability and Resilience
2020	Affiliate Faculty, contributed to the creation of the strategic plan for the UF Transportation Institute new initiative on Safety

College

2023 – present	AI/Data Science Research Cluster Committee, College of Liberal Arts and Sciences, University of Florida

Department

University of Florida

2023	Faculty Marshal
2023 – present	Colloquium Committee
2021 – present	AI & Program Development Committee
2021 – present	Social Media Committee
2019 – 2023	Graduate Admissions Committee
2022	Grad Recruitment Weekend Committee
2021	Social Media Co-coordinator
2021	Assistant Professor of Medical Geography in Global Health Search Committee
2021	Assistant Professor of Atmospheric and Climate Science Search Committee
2019 – 2020	Development Geospatial Sciences Discussion Ad-hoc Committee
2019 – 2020	Awards Committee
2019	Faculty Representative at the Undergraduate Research Expo

<u>University of South Florida</u>

2018 – 2019   GIScience Ad-hoc Committee

2017 – 2019   Graduate Admissions Committee

2017 – 2018   Assistant Professor of GIScience Search Committee