Yongmei Lu, Ph.D.

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College of Liberal Arts
Texas State University
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PRINCIPAL RESEARCH AND TEACHING INTERESTS

- Urban development; environment and health; crime
- Theoretical and methodological issues of geographic information science and systems, and spatial data analysis and modeling

EDUCATION

2001, **Ph.D.** in Geography, University at Buffalo, The State University of New York

1994, **M.S**. in Geography, Peking University, Beijing, P.R. China.

1991, **B.S**. in Geography, Peking University, Beijing, P.R. China.

EMPLOYMENT

2023 –	Associate Dean for Research, College of Liberal Arts, Texas State University
2018 – 2023	Chair, Department of Geography and Environmental Studies, Texas State University
2017 – 2018	Associate Chair, Department of Geography, Texas State University
2015 – 2017	Graduate Program Coordinator, Department of Geography, Texas State University
2019 -	Affiliate Faculty, Translational Health Research Center, Texas State University
2016 (June)	Visiting Professor, School of Police Information System and Engineering, People's Public Security University, Beijing, China
2013 -	Professor (with tenure), Department of Geography, Texas State University, San Marcos, Texas
2013 (July)	Visiting Professor, School of Economics, Renmin University, Beijing, China
2013 (June)	Visiting Professor, College of Global Change and Geosciences, Beijing Normal University, Beijing, China
2007 – 2013	Associate Professor (with tenure), Department of Geography, Texas State University, San Marcos, Texas

2012 (June)	Visiting Professor, School of Geography and Planning, Sun Yat-Sen University, Guangzhou, China.
2008 – 2011	Visiting Professor (2008-09), Affiliate Professor (2009-11), School of Social Development and Public Policy, Beijing Normal University, Beijing, China
2009 (spring)	Visiting Professor, School of Earth and Space Sciences, Peking University, Beijing, China.
2001 – 2007	Assistant Professor (tenure-track), Department of Geography, Texas State University, San Marcos, Texas.
2003 –	Faculty Scholar, Texas Center for GIScience, Texas State University, San Marcos, Texas
2004 –	Research Fellow, Center for Geospatial Intelligence and Investigation, Texas State University, San Marcos, Texas
1995 – 1999	Graduate Assistant, Department of Geography, State University of New York at Buffalo, Buffalo, New York.
1994 – 1995	Research Associate, Institute of Industry Economy, Chinese Academy of Social Sciences, Beijing, China.

SELECTED PUBLICATIONS

Books:

Lu, Y. and E. Delmelle (eds) 2019. *Geospatial Technologies for Urban Health*. Springer Nature Switzerland AG. ISBN: 978-3-030-19572-4 (print), 978-3-030-19573-1 (eBook)

Showalter, P.S. and **Y. Lu** (eds) 2010. *Geospatial Techniques in Urban Hazard and Disaster Analysis*. Springer, The Netherlands. ISBN: 978-90-481-2237-0 (print), 978-90-481-2238-7(eBook))

Special Journal Issue:

Yuan, Y. **Y. Lu**, Y. Cao, and H. Fan. (eds). 2025. Exploring the Uncertainty in Big Geodata: Progress and Challenges. *Big Earth Data* (forthcoming)

Boakye, K. A. Iyanda, and **Y. Lu** (eds). 2026. Special Issues on Cardiovascular Diseases and Risk Factors for Minoritized Communities PART 2. *Journal of Prevention & Intervention in the Community* 54 (2).

Lu, Y, A. Iyanda, and K. Boakye (eds). 2025. Special Issues on Cardiovascular Diseases and Risk Factors for Minoritized Communities PART 1. *Journal of Prevention & Intervention in the Community* 53(3).

Lu, Y. and Y. Liu (eds). 2012. Special Issue on Pervasive Location Acquisition Technologies: Data and Analysis. *Computers, Environment and Urban Systems*. 36(2).

Peer-reviewed Articles:

(* indicates student or post-doc fellow at the time of research)

Ansah*, H. and **Y. Lu**. (under review) Investigating Observed and Perceived Food Access in Gentrifying East Austin: A Survey Study.

Yuan, Y., **Y. Lu**, Y. Cao, and H. Fan (accepted). Beyond Data Quality: Understanding Uncertainty in Big Geodata. *Big Earth Data*.

Ansah*, H. and **Y. Lu**. (In Press) Gentrification and Foodscapes: An Integrative Review of Neighborhood Change and Food Access. *Urban Studies*.

Salimi*, S. and **Y. Lu**. 2026. Street-Level Noise Assessment Across Different Urban Block Typologies: A Voxel-Based Forward Ray Tracing Model. *Computational Urban Science*. 6: 36. DOI: 10.1007/s43762-026-00270-9

Iyanda, A., R. Adeleke, K. Boakye, O. Iyanda, **Y. Lu**, and J. R. Oppong. 2026. Structural and Environmental Determinants of Irregular Migrant Deaths: Analysis of the Missing Migrant Project. *Annals of the American Association of Geographers*, 1–19. DOI: 10.1080/24694452.2026.2659906

Iyanda, A., C-F Chang, J. Erdely, G. Carrillo, T. Lu, C. Jones. H. Kelley, D. Han, X. Huang, and **Y. Lu**. 2026. Environmental exposure and respiratory health in industrial gulf coast communities: a mixed- method study. *BMC Public Health*. 26: 1644- . DOI: 10.1186/s12889-026-27306-3

Wang*, P., Y. Yuan, L. Li, and **Y. Lu**. 2026. PyGALAX: An Open-Source Python Toolkit for Advanced Explainable Geospatial Machine Learning. arXiv Preprint [cs.LG] DOI: 10.48550/arXiv.2602.00907

Boakye, K., A. Iyanda, and **Y. Lu**. 2026. Cardiovascular diseases and risk factors for minoritized communities Part II: Translating knowledge to mobilizing communities and implementing interventions. *Journal of Prevention & Intervention in the Community*. 54(2): 193-197. DOI: 10.1080/10852352.2026.2639165

Chai*, A., K. Rossmo, and **Y. Lu**. 2026. Deadly Connections: Exploring Body Disposal Patterns in Homicides Through Victim-Offender Relationships. *Applied Geography*. 186, 103856. DOI: 10.1016/j.apgeog.2025.103856

Wang*, P., Y. Yuan, L. Li, and **Y. Lu**. 2026. GALAX: A Framework for Geospatial Analysis Leveraging AutoML and eXplainable AI. *Annals of the American Association of Geographers*. 116(4): 759-785. DOI: 10.1080/24694452.2025.2591684

Lu, Y., A. Iyanda, and K. Boakye. 2025. Cardiovascular diseases and risk factors for minoritized communities PART I: Examination through an intersectionality framework and a multiscale lens. *Journal of Prevention & Intervention in the Community*. 53(3): 430-434. DOI: 10.1080/10852352.2025.2567028

Ansah*, H., **Y. Lu**, and Y. Choi. 2024. Recognizing Texas women in time and space: A qualitative GIS inquiry into historical markers. *Geographical Review*. *114*(4): 426-445. DOI: 10.1080/00167428.20

Y. Lu, N. Ekeanyanwu*, and D. Blanchard. 2024. Untangling the myth of flood risk and mitigation in affluent inland urban neighborhood – A case study of the Onion Creek

Neighborhood in Austin, Texas. *International Journal of Disaster Risk Reduction*, 101: 104237 DOI: 10.1016/j.ijdrr.2023.104237

Guo, C., E. Ge, S. Lee, **Y. Lu**, N. Bassill, M. Zhang, W. Zhang, Y. Lu, Y. Hu, J. Chakraborty, R. Emeny, and K. Zhang. 2023. Impact of heat on emergency hospital admission in Texas: geographic and racial/ethnic disparities. *Journal of Exposure Science and Environmental Epidemiology*. 34: 927-934. DOI: 10.1038/s41370-023-00590-6

Jin*, H., **Y. Lu**. 2022. Multi-model Huff-based 2SFCA: Examining Geographical Accessibility of Food Outlets in Austin, Texas. *ISPRS International Journal of Geo-Information*. 11: 579. DOI: 10.3390/ijgi11110579

Boakye, K. A., A. Iyanda, J. R. Oppong, **Y. Lu.** 2022. A multiscale analysis of social and spatial determinants of cancer and noncancer risks from on-road air pollution in Texas. *Spatial and Spatio-temporal Epidemiology*, 41. DOI: 10.1016/j.sste.2022.100484

Iyanda*, A., **Y. Lu**. 2022. Social and Structural Determinants of Self-Rated Health in Gentrifying Neighborhoods in Austin Texas: A Cross-Sectional Quantitative Analysis. *International Journal of Community Well-Being*. 5: 509-534. DOI: 10.1007/s42413-021-00155-1

Iyanda*, A, R. Adeleke, K. Boakye, J. A. Temitope, and **Y. Lu**. 2022. Underage Tobacco Sales Violations and Neighborhood Crime Arrest in Philadelphia: A Multiscale GIS-based Analysis. *GeoJournal*, 87(6): 4455-4474. DOI: 10.1007/s10708-021-10507-1

Iyanda*, A., K. Boakye, **Y. Lu**. 2021. COVID-19 and Evidenced Health Disparity. *Encyclopedia*, 1(3)L744-763. DOI: 10.3390/encyclopedia1030057

Jin*, H., and **Y. Lu.** 2021. SAR-Gi*: Taking A Spatial Approach to Understand Food Deserts and Food Swamps. *Applied Geography*. DOI: 10.1016/j.apgeog.2021.102529

Iyanda*, A., **Y. Lu**. 2021. Perceived impact of gentrification on health and wellbeing: Exploring social capital and coping strategies in gentrifying neighborhoods. *The Professional Geographer*, 73(4): 713-24. DOI: 10.1080/00330124.2021.1924806.

Iyanda*, A., **Y. Lu**. 2021. Gentrification is not improving my health': a mixed-method investigation of chronic health conditions in rapidly changing urban neighborhoods in Austin, Texas. *Journal of Housing and the Built Environment*. DOI: 10.1007/s10901-021-09847-8

Iyanda*, A., **Y. Lu**. 2021. Structural equation modeling of mental health in gentrifying neighborhoods. *Open Health*, 2 (1): 21-39. DOI: 10.1515/openhe-2021-0002

Jin*, H., and **Y. Lu.** 2021. Evaluating consumer nutrition environment in food deserts and food swamps. *International Journal of Environmental Research and Public Health.* 18(5): 2675 . DOI: 10.3390/ijerph18052675

Iyanda*, A., K. Boakye, **Y. Lu**, J. Oppong. 2021. Racial/Ethnic heterogeneity and rural-urban disparity of COVID-19 case fatality ratio in the USA: A negative binomial and GIS-based analysis. *Journal of Racial and Ethnic Health Disparities*. 9(2): 708-721. DOI: 10.1007/s40615-021-01006-7

Iyanda*, A., A. Adaralegbe, M. Miranker*, M. Lasode*, and **Y. Lu.** 2021. Housing conditions as predictors of common childhood illness: Evidence from Nigeria Demographic and Health Survey, 2008-2018. *Journal of Child Health Care*. DOI: 10.1177/1367493520987049

Chen, P. and **Y. Lu.** 2021. Journey-to-crime and offender's geographic background: a comparison between migrant and native offenders in Beijing. *SN Social Sciences*, 1(1): 1-20. DOI: 10.1007/s43545-020-00038-w.

Iyanda*, A., N. Chima-Adaralegbe, R. Adeleke, and **Y. Lu.** 2021. Covariation of suicide and HIV in 186 Countries: a spatial autoregressive and multiscale geographically weighted regression analyses. *Journal of Public Health*: 1-11. DOI: 10.1007/s10389-020-01436-3

Iyanda*, A. E., O. H. Olowofeso, K. A. Boakye, **Y. Lu**. 2021. Determinants of gender-based violence and its physiological effects among women in 12 African countries. *Journal of Interpersonal Violence*. 36(21-22): NPI1800-1823. DOI: 10.1177/0886260519888536

Iyanda* A., R. Adeleke, **Y. Lu,** T. Osayomi, A. Adaralegbe, M. Lasode, and N. Chima-Adaralegbe. 2020. A retrospective cross-national examination of COVID-19 outbreak in 175 countries: a multiscale geographically weighted regression analysis (January 11-June 28, 2020). *Journal of Infection and Public Health*, 13(10): 1438-1445. DOI: 10.1016/j.jiph.2020.07.006

Iyanda*, A. E., B. J. Dinkins, T. Osayomi, T. J. Adeusi, **Y. Lu**, and J. R. Oppong. 2020. Fertility knowledge, contraceptive use and unintentional pregnancy in 29 African Countries: a cross-sectional study. *International Journal of Public Health*, 65(4): 445-455. DOI: 10.1007/s00038-020-01356-9

Yuan, Y., **Y. Lu,** T. E. Chow, C. Ye*, A. Alyaqout*, and Y. Liu. 2020. The Missing Parts from Social Media Enabled Smart Cities: Who, Where, When, and What. *Annals of the American Association of Geographers*, 110 (2): 462 -475. DOI: 10.1080/24694452.2019.1631144

Iyanda*, A. E., T. Osayomi, K. Boakye, and **Y. Lu.** 2019. Regional variation and demographic factors associated with knowledge of malaria risk and prevention strategies among pregnant women in Nigeria. *Women & Health*. 60(4): 456-472. DOI: 10.1080/03630242.2019.1643818

Zhan, Z.*, W. Dong, **Y. Lu**, P. Yang, Q. Wang, and P. Jia. 2019. Real-time forecasting of hand-foot-and-mouth disease outbreaks using the integrating compartment model and assimilation filtering. *Scientific Reports* 9: 2661- . DOI: 10.1038/s41598-019-38930-y

Robinson*, A., A. Bonnette*, K. Howard, N. Ceballos, S. Dailey, **Y. Lu**, and T. Grimes. 2019. Social comparisons, social media addiction, and social interaction: An examination of specific social media behaviors related to major depressive disorder in a millennial population. *Journal of Applied Biobehavioral Research.* 24: e12158: 1-14. DOI:10.1111/jabr.12158 (Most Read Articles in 2018-19; Top Cited Paper Certificate in 2019-2020 by Wiley)

Jin*, H., **Y. Lu**. 2019. Regionalization of school youth obesity and overweight in Texas by considering both body mass index and socioeconomic status. *GeoJournal* 84: 55-69. DOI: 10.1007/s10708-018-9849-4

Y. Lu and E. Delmelle. 2019. Introduction. In: Y. Lu and E. Demelle (eds.) *Geospatial Technologies for Urban Health. Global Perspectives on Health Geography*. 1-10. Springer, Cham. DOI: 10.1007/978-3-030-19573-1_1.

Yuan, Y., G. Wei*, and **Y. Lu.** 2018. Evaluating gender representativeness of location-based social media: A case study of Weibo. *Annals of GIS*, 24(3): 163-176. DOI: 10.1080/19475683.2018.1471518

Yang, J., Q. Cheng, H. Zhang, K. Chan, …**Y. Lu,** …, B. Xu, P. Gong. 2018. Health Cities: Unlocking the power of cities for a healthy China. *The Lancet*, 391: 2140-2184. DOI: 10.1016/S0140-6736(18)30486-0

Li, C., **Y. Lu**, J. Liu, and X. Wu. 2018. Climate change and dengue fever transmission in China: Evidences and challenges. *Science of the Total Environment*, 622-623: 493-501. DOI: 10.1016/j.scitotenv.2017.11.326

Yao, Y., **Y. Lu**, G. Wang, Y. Dong, H. Wang. 2018. Relations between global city connectivity of the primary city and the size of national economy. *Journal of Urban and Regional Analysis*, 10(1): 5-23.

Qian*, H. and **Y. Lu.** 2017. Simplifying GPS trajectory data with enhances spatial-temporal constraints. *ISPRS International Journal of Geo-Information*, 6(11): 329, DOI: 10.3390/ijgi6110329

Chen, P., and **Y. Lu**. 2017 Exploring co-offending networks by considering geographic background – an investigation of electric bicycle thefts in Beijing. *The Professional* Geographer, 70(1): 73-83. DOI: 10.1080/00330124.2017.1325753

Meaney, K.S., J.A.M. Zimmermann, G. Martinez-Ramos, **Y. Lu**, and J. McDonald. 2017. Champions for health in the community: Critical service learning, transformative education, and community empowerment. In Liston, D. D. & Rahimi, R. (Ed.), *Promoting Social Justice through the Scholarship of Teaching and Learning*. Chapter 6: 98-116. Indiana University Press. ISBN: 978-0-253-03132-7

Jin*, H., **Y. Lu** 2017. Academic Performance of Texas Public Schools and Its Relationship with Students' Physical Fitness and Socioeconomic Status. *International Journal of Applied Geospatial Research*, 8(3): 37-52. DOI: 10.4018/ijagr.2017070103

Lu, Y. and A. Davidson* 2017. Fatal vehicle crashes in Texas: Needs for and access to emergency medical services. *Annals of GIS*, 23(1): 41-54. DOI: 10.1080/19475683.2016.1276102

Jin*, H., and **Y. Lu.** 2017. The relationship between obesity and socioeconomic status among Texas school children and its spatial variation. *Applied Geography*. 79: 143-152. DOI: 10.1016/j.apgeog.2016.12.008

Ames*, C, **Y. Lu**, and R. Weaver 2016. Evaluating the effectiveness of "no refusal" blood draw search warrant programs to reduce alcohol-related crashes in Central Texas. *Papers in Applied Geography*, 2(1): 113-120. DOI: 10.1080/23754931.2015.1114513

Wu, X., **Y. Lu**, S. Zou*, L. Chen*, and B. Xu 2016. Impact of climate change on human infectious diseases: Empirical evidence and human adaptation. *Environment International.*

86: 14-23. DOI: /10.1016/j.envint.2015.09.007 (Received Elsevier Atlas Award, May 2016; Most Downloaded Article from *Environment International* in 2016-2018)

Yorke*, C., F. B. Zhan, **Y. Lu**, and R. Hagelman. 2015. Incorporating evacuation potential into place vulnerability analysis. *Geomatics, Natural Hazards and Risk*. 6(3): 195-211.

Showalter, P. S. and **Y. Lu.** 2015. Flash Flood, Low Water Crossings and Swift Water Rescues in Texas. In G. A. Tobin and B. E. Montz (eds.) *Evolving Approaches to Understanding Natural Hazards*. Chapter 22: 267-276. Cambridge Scholars Publishing: Newcastle-Upon-Tyne. ISBN-13: 978-1-4438-7609-4 (Reprint of the paper published with Papers of the Applied Geography Conferences 2010)

Medel*, M., **Y. Lu**, and E. Chow. 2015. Mexico's drug networks: Modeling the smuggling routes towards the United States. *Applied Geography*. 60: 240-247.

Lu, Y. and T. B. Fang. 2015. Examining personal air pollution exposure, intake, and health danger zone using time geography and 3d geovisualization. *ISPRS International Journal of Geo-Information*. 4(1): 32-46. (Reprint of the paper was published in *Remote Sensing and Geospatial Technologies in Urban Health*, pp. 51-63. Fazlay S. Farque (Eds.), 2018. MDPI, St. Alban-Anlage 66, Basel, Switzerland. ISBN 978-3-03897-172-6 (paper), 978-3-03897-173-3 (pdf))

Medel*, M. and **Y. Lu.** 2015. Illegal drug cultivation in Mexico: An examination of the environmental and human factors. *Cartography and Geographic Information Science* 42(2): 190-204.

Li*, R., P. Zhang, Z. Jiang*, P. Aikinson, **Y. Lu**, and B. Xu. 2015. Analyses and simulation of the transmission and evolution of H5N1 virus in China. *Proceedings of the 2015 Annual Conference of Chinese Society for Environmental Sciences:* 4767 – 4773. (In Chinese) August 6-7, 2015. Shenzhen, Guangdong.

Scholtz*, W. R. and **Y. Lu**. 2014. Uncertainty in Geographic Data on Bivariate Maps: An Examination of Visualization Preference and Decision Making. *ISPRS International Journal of Geo-Information*. 3(4): 1180-1197.

Scholtz*, W. R. and **Y. Lu**. 2014. Detection of dynamics activity patterns at collective scale from large-volume trajectory data. *International Journal of Geographic Information Sciences*. 28(5): 946-963. DOI: 10.1080/13658816.2013.869819

Liu, Y., F. Wang, C. Kang, Y. Gao, **Y. Lu**. 2014. Analyzing relatedness by toponym co-occurrences on web pages. *Transactions in GIS*. 18(1): 89-107.

Mathews*, A., **Y. Lu**, M. Patton*, N. Dede-Bamfo*, J. Chen*. 2013. College students' consumption, contribution, and risk awareness related to online mapping services and social media outlets: Does geography and GIS knowledge matter? *GeoJournal.* 78(4): 627-639.

Fang*, T. B., **Y. Lu.** 2012. Personal real-time air pollution exposure assessment methods promoted by information technological advances. *Annals of GIS.* 18(4): 279-288.

Lu, Y., C. Yorke*, and F. B. Zhan. 2012. Considering risk locations when defining perturbation zones for geomasking. *Cartographica*: *The International Journal for Geographic Information and Geovisualization* 47(3): 168-178.

Lu, Y. and Y. Liu. 2012. Pervasive location acquisition technologies: Opportunities and challenges for geospatial studies. *Computers, Environment and Urban Systems.* 36(2): 105-108. DOI: 10.1016/j.compenvurbsys.2012.02.002

Wan*, N., F. B. Zhan, **Y. Lu**, J. Tiefenbacher. 2012. Access to healthcare and disparities in colorectal cancer survival in Texas. *Health & Place*, 18(2): 321-329. DOI: 10.1016/j.healthplace.2011.10.007

Yao*, X., F.B. Zhan, **Y. Lu**, and M. Yang. 2012. Effects of real-time traffic information systems on traffic performance under different network structures. *Journal of Cent. South University*. 19: 586-592.

Rossmo, D. K., **Y. Lu**, and T. B. Fang*. 2012. Spatial-temporal crime paths. In M.A. Andresen and J.B. Kinney (eds.) *Patterns, Prevention, and Geometry of Crime. Crime Science Series*. Chapter 3: 16-42. ISBN: 9780415685870 (hardback); 9780415870511 (paperback). Chapter 3: 16-42. Routledge, NY.

Fang*, B. T. and **Y. Lu.** 2011. Constructing Near Real-time Space-time Cube to Depict Urban Ambient Air Pollution Scenario. *Transactions in GIS* 15(5): 635-649.

Parr, D*. and **Y. Lu.** 2010. The landscape of GIScience publications 1997-2007: An empirical investigation with latent semantic analysis. *Transactions in GIS* 14(5): 689-708.

Showalter, Pamela S. and **Y. Lu**. 2010. Flash Flood, Low Water Crossings and Swift Water Rescues in Texas. *Papers of the Applied Geography Conferences*, Vol. 33: 101-107.

Lu, Y, W. Yin, and J. Chen*. 2010. A Spatial Analysis of Transportation Convenience in Beijing: Users' Perception Versus Objective Measurements. In B. Jiang and X. Yao (eds.) *Geospatial Analysis and Modeling of Urban Structure and Dynamics* (ISBN 978-90-481-8572-6). Chapter 10: 177-195. Springer.

Lu, Y. 2010. Spatial Patterns of Drug Offenses in an Urban Built Environment. In: H. Lin, J. Lai, and C. Zhou (eds.) *Studies of Spatially Integrated Liberal and Social Sciences* (□□□□□□ □□□□□□□). ISBN: 978-7-03-026632-3. Chapter 15: 209-220. Science Press □□□□□□□: Beijing, China. (In Chinese)

Lu, Y., L. Carter*, and P. Showalter. 2010. Wildfire Risk Analysis at the Wildfire Urban Interface in Travis County, Texas. In: P. Showalter and Y. Lu (eds.) *Geospatial Technologies' Contribution to Urban Hazard Analysis (Geotechnologies and the Environment, Vol. 2).* Chapter 10: 203-227. Springer: The Netherlands.

Lin, S.* and **Y. Lu.** 2009. The Spatial Patterns of Adverse Health Effects of Ozone Pollution on Childhood Respiratory Diseases in Urban Houston. *Annals of GIS* 15(2): 127-140.

Lu Y. 2009. Spatial Clustering, Detection and Analysis of. In R. Kitchin and N. Thrift (eds.) *International Encyclopedia of Human Geography*, Volume 10, pp. 317-324. Oxford: Elsevier

Lu, Y. and J-C Thill. 2008. Cross-scale Analysis of Cluster Correspondence Using Different Operational Neighborhoods. *Journal of Geographical Systems*. 10(3): 241-262.

Giordano, A., **Y. Lu, S.** Anderson, M. Fonstad. 2008. Wireless Mapping, GIS, and Learning about Digital Divide: A Classroom Experience. *Journal of Geography* 106(6): 285-295.

Hanford*, E. J., F. B. Zhan, **Y. Lu** and A. Giordano. 2007. Chagas Disease in Texas: Recognizing the Significance and Implications of Evidence in the Literature. *Social Science & Medicine* 65: 60-79.

Lu, Y. and X. Chen*. 2007. False Alarm of Planar K-Function when Analyzing Urban Crime Distributed along Streets. *Social Science Research* 36(2):611-632.

Lu, Y. 2006. Spatial Choice of Auto Thefts in an Urban Environment. *Security Journal* 19(3): 143-166.

Lin* S. and **Y. Lu.** 2006. Evaluating Local Non-stationarity when Considering the Spatial Variation of Large-scale Autocorrelation. *Transactions in GIS* 10(2): 301-318.

Zhan, F. B., **Y. Lu**, A. Giordano, E. J. Hanford*. 2005. Geographic Information System (GIS) as a Tool for Disease Surveillance and Environmental Health Research. *Proceedings of the 2nd IEEE International Conference on Services Systems and Services Management (ICSSSM'05)*, Vol. 2: 1465-1470.

Lu, Y. 2005. Identifying 'Hot Link' between Crime and Crime-Related Locations, in Fahui Wang (eds.) *Geographic Information Systems and Crime Analysis*. Chapter XV: 253-269. IDEA Group Publishing. Hershey, PA. ISBN-13: 978-1591404538, ISBN-10: 1591404533

Lu, Y. 2005. Approaches for cluster analysis of locations along streets: from Euclidean plane to street network space. *Proceedings of Auto-Carto 2005*. March 21-23. Las Vegas, NV.

Lu, Y. and J. Tang*. 2004. Fractal Dimension of a Transportation Network and Its Relationship with Urban Growth: A Study of Dallas – Fort Worth Area. *Environment and Planning B: Planning and Design* 31 (6):895-911.

DeLima*, I. and **Y. Lu**. 2004. Investigating the Spatial Relationship between Drug Possession Arrests and Residential Burglaries in Austin. *Southwestern Geographer* 7: 1-25.

Lu, Y. 2003. Getting Away with the Stolen Vehicle: an Investigation of Journey-after crime. *The Professional Geographer* 55(4): 422-433.

Lu, Y. and J. Thill. 2003. Assessing the Cluster Correspondence between Paired Point Locations. *Geographical Analysis* 35(4): 290-309.

Lu, Y. 2003. Multiple Point Sets Interaction Analysis and Its Application on Investigating the Relationship between Different Types of Property Crime, in Graham A. Toblin and Burrell E. Montz (eds.) *Papers of the Applied Geography Conferences* 26:143-152.

Lu, Y. 2000. Spatial Cluster Analysis of Point Data: Location Quotients Versus Kernel Density. 2000 University Consortium of Geographic Information Science (UCGIS) Summer Assembly Graduate Papers.

Lu, Y. 1999. Health Service Sites Access Analysis Using Internet GIS. In Robert C. Williams, Max M. Howie, Carolyn V. Lee, and William D Henriques (eds.) *Geographic Information Systems in Public Health: Proceedings of the Third National Conference*. Pp. 311-321.

Lu, Y. 1998. Social Implication of Developing GIS: A Cost-Benefit Analysis. In Qiming Zhou, Zhilin Li, Hui Lin, and Wenzhong Shi (eds.) *Spatial Information Technology towards 2000 and Beyond: Geoinformatics' 98 Conference Proceedings.* Pp. 318-327.

Lu, Y. and Ge Lin, 1996. Improving Accessibility to Spatial Information on the Internet. Position paper in Helen Couclelis (compiled) *NCGIA Technical Report 96-10: Spatial Technologies, Geographic Information, and the City*.

Lu, Y. 1994. Theoretical Aspects of Regional Sustainable Development. *Economic Geography* (□□□□), 14(1): 7-10. (In Chinese)

Wei, X, **Y. Lu.** 1994. A Study on Regional Sustainable Development. In Wenhu Ye and Jicheng Chen (eds.) *The Road towards a Sustainable Development* □□□□□□□□□P. 260-3. Beijing: Peking University Press, Beijing, China. (In Chinese)

Lu, Y. 1993. The Planning and Construction of High-tech Industry Development Zone. *Urban Planning*□□□□□□, 17(4): 31-34. (In Chinese)

Lu, Y. 1993. Development of High-tech Industry Zone and Its Impact on Urban Planning. *Beijing City Planning & Construction Review* □□□□□□□□□□, March 1993. (In Chinese)

Wei, X., **Y. Lu***, and C. Fu. 1993. The Distribution and Development of the High-tech Industry Parks in China. In X. Wei and J. Wang (eds.) *A New Industrial Space: The Development and Distribution of High-tech Industry Parks* □□□□□□□□□□□□□□□□□□□□□□. P. 95-131. Peking University Publications, Beijing, China. (In Chinese)

CONFERENCE PAPERS

(* indicates student or post-doc fellow at the time of research)

Lu, Y. and V. Quarshie*. 2026. *Examining Urban-Rural Disparities of Alzheimer's Disease and Related Dementia and Potential Risk Factors in Texas*. The 33rd International Conference on Geoinformatics. Singapore. July 19-22. 2026.

Salimi*, S. **Y. Lu**. 2026. Street-level Noise Assessment at the Neighborhood Scale: A Voxel-based Forward Tray Tracing Model across Urban Block Typologies. *Annual Meeting of the American Association of Geographers*. San Francisco, CA. March 17-21, 2026.

Lindsey*, K. and **Y. Lu**. 2025. A Digital Framework for Analyzing Gentrification with Cross-Domain Multimodal Data. *UCGIS Symposium*. Laramie, WY. June 23-27, 2025.

Salimi*, S. and **Y. Lu**. 2025. A Multilevel Urban Noise Model for Analyzing the Impact of Block Typologies on Noise Propagation. *UCGIS Symposium*. Laramie, WY. June 23-27, 2025.

Ansah*, H. and **Y. Lu**. 2025. Mapping Food Access in Gentrifying East Austin: A Spatial Analysis of Changing Urban Foodscape. *Annual Meeting of the American Association of Geographers*. Detroit, MI. March 24 – 28, 2025.

Lu, Y. and F. B. Islam*. 2024. Environmental, Health and Community along the Texas Gulf Coast: A Literature Study. *Joint Meeting of SWAAG & AGX. San Marcos, TX. Oct 6-8, 2024.*

Islan*, B. F. and **Y. Lu**. 2024. Constructing Air Pollution Scenario for the Beaumont-Port Arthur Region. *Joint Meeting of SWAAG & AGX. San Marcos, TX. Oct 6-8, 2024.*

Lu, T., A. Iyanda, **Y. Lu**, J. Washington, G. Carrillo, C. Chang, X. Huang. D. Han. X. Ye, and J. Erdely. 2024. A Citizen Science-Based Community Air Monitoring Campaign in Beaumont and Port Arthur, Texas. *Joint Meeting of SWAAG & AGX. San Marcos, TX. Oct 6-8, 2024.*

Chang, C., A. Iyanda, G. Carrillo, J. Erdely, D. Han, **Y. Lu.** X. Ye, X. Huang, and J. Washington. 2024. Investigating the Impact of Climate Change and Air Quality on Mental Health in Southeast Texas. *Joint Meeting of SWAAG & AGX. San Marcos, TX. Oct 6-8, 2024.*

Ansah*, H. and **Y. Lu**. 2024. Modeling Spatial Accessibility to Ethnic Food Stores within Austin, Texas. *Annual Meeting of American Association of Geographers*. Honolulu, HI. April 16-20, 2024.

Bashar*, T. M. J. and **Y. Lu**. 2024. Assess Accessibility of Healthcare Facilities and Identify the Influencing Socioeconomic Factors: A Case Study of Central Texas. *Annual Meeting of American Association of Geographers*. Honolulu, HI. April 16-20, 2024.

Y. Lu. 2023. Mapping and Ethics When Doing Health and Crime Research. *XII REP / MAD_AAG Conference*. Washington, DC. October 11013, 2023

Y. Lu 2023. Examining the Health Effects of Urban Gentrification. *The 30th International Conference on Geoinformatics – Space-Time AI and Urban Analytics.* London, United Kingdom. July 19-21, 2023.

Singh, C. and **Y. Lu.** 2023. Spatial Exploration of the Role of Perceived Neighborhood Safety on Physical Functioning of Older Americans. *Annual Meeting of American Association of Geographers*. Denver, CO. March 23-27, 2023.

Lindsey*, Keenon and **Y. Lu**. 2023. Spatial unit and classification system for gentrification analysis of Austin, TX. *Annual Meeting of American Association of Geographers*. Denver, CO. March 23-27, 2023.

Lu, Y. 2022. Examining Urban Health Equity through a Community Lens. *UGI-IGU Paris – Time for Geographers: The Centennial Congress of International Geographical Union.* Paris, France. July 18-22, 2022.

Lu, Y. 2021. An integrated Eulerian-Lagrangian framework for individual-level exposure modeling. Invited presentation at "Theoretical Perspectives on GIScience" Panel session. *The 28th International Conference on Geoinformatics – GISciences for a Resilient Society.* Nanchang, China (hybrid). October 31 - November 5, 2021.

Lu, Y. and C. Singh*. 2019. Accessibility and usage of physical activity facilities: Leveraging the potential of geotagged tweets. *The 42nd Applied Geography Conference*, Charlotte, North Carolina. October 23-25, 2019.

Yuan, Y., **Y. Lu,** Y. Liu, and E. Chow. 2019. The missing parts from social media enabled smart cities: Who, Where, When, and What. *Annual Meeting of American Association of Geographers, Washington,* DC. April 3-7, 2019.

Jin*, H. and **Y. Lu**. 2019. Examining consumer nutrition environment in food desert and food swamp neighborhoods. *Annual Meeting of American Association of Geographers, Washington,* DC. April 3-7, 2019.

Lu, Y. and F. B. Zhan. 2018. Understanding health and healthcare through geographic lens. *GIS & Health Conference*. Austin, TX. May 17-18, 2018.

Lu, Y. and F. Lu*. 2018. Physical activities, BMI, and accessibility to and utilization of facilities. *Annual Meeting of American Association of Geographers*, New Orleans, LA. April 10-14, 2018.

Lu, Y. 2017. Are our kids as (un)healthy as adults? *Annual Meeting of American Association of Geographers*, Boston, MA. April 4-9, 2017.

Lu, Y. 2016. Individual-based air-pollution exposure and health risk assessment enable by spatiotemporal modeling. *Annual Meeting of American Association of Geographers*, San Francisco, CA. March 29-April 2, 2016.

Teng*, Y. and **Y. Lu**. 2016. Child health in China: Regional differences and impact factors. *Annual Meeting of the American Association of Geographers,* San Francisco, CA. March 29-April 2, 2016.

Scholz, R. W., **Y. Lu**, and M. Scholz. 2016. Identifying individual level daily travel-activity patterns using sequence alignment method. *Annual Meeting of American Association of Geographers*, San Francisco, CA. March 29-April 2, 2016.

Qian*, H. and **Y. Lu**. 2016. A dynamic method to extract trajectory and activity patterns from GPS data. *Annual Meeting of American Association of Geographers*, San Francisco, CA. March 29-April 2, 2016.

Jin*, H. and **Y. Lu.** 2016. Regionalization of school youth's body mass index in Texas using continuity constrained clustering and partitioning. *Annual Meeting of American Association of Geographers*, San Francisco, CA. March 29-April 2, 2016.

Jin*, H. and **Y. Lu**, and E. Chow. 2015. The relationship between children obesity and socioeconomic status and its spatial variation in Texas. *The 38^{h} Applied Geography Conference*. San Antonio, TX. Nov. 4-7, 2015.

Ames*, C., **Y. Lu**, and R. Weaver. 2015. Evaluating the effectiveness of "no refusal" blood draw search warrant programs to reduce alcohol-related traffic crashes in central Texas. *The 38th Annual Applied Geography Conference.* San Antonio, TX. Nov. 4-7, 2015.

Teng*, Y., **Y. Lu,** and Y. Cheng. 2015. Child health in China: Regional differences and impact factors. *SWAAG annual Conference,* San Antonio, TX. November 4-7, 2015.

Jin*, H. and **Y. Lu**. 2015. The association of physical fitness and academic performance for the students in Texas public schools. *The 23rd International Conference of Geoinformatics.* Wuhan, China. June 19-21, 2015.

Lu, Y. 2015. Tracking personal health risk by integration portable air pollution monitor and GPS. *UCGIS 2015 Symposium*. Alexandria, Virginia. May 28-30, 2015.

Lu, Y. 2015. Examining physical fitness of Texas school children. *Annual Meeting of the Association of American Geographers,* Chicago, IL. April 21-25, 2015.

Parr*, D. **and Y. Lu.** 2015. Classifying Twitter Users with the Activity-Context-Geography Model. *International Conference on Location-based Social Media Data*. Athens, GA. March 13-14, 2015.

Lu, Y. 2014. An individual-based assessment of air pollution exposure and health risk. *SWAAG-GPRM Joint Regional Meeting.* Albuquerque, NM. October 23-25, 2014.

Gong*, X., **Y. Lu,** and Y. Lin. 2014. K-Vec: A global and cross-scale analysis method of vector autocorrelation. *2014 SWAAG-GPRM Joint Regional Meeting.* Albuquerque, NM. October 23-25, 2014.

Medel*, M. and **Y. Lu.** 2014. Mexico's drug networks: A simulation of smuggling routes towards the United States. *The 37th Applied Geography Conference*. Atlanta, Georgia. October 15-17, 2014.

Lu, Y. 2014. Physical Fitness, BMI, Socioeconomic Status, and Academic Performance: An Examination of Texas School Children. *Annual Meeting of the Association of American Geographers*, Tampa, FL. April 8-12, 2014.

Scholtz*, R., and **Y. Lu**. 2014. Space-time Modeling and Visualization of Individual Daily Travel-activity Patterns from GPS Trajectory Data. *Annual Meeting of the Association of American Geographers*, Tampa, FL. April 8-12, 2014.

Li*, R., P. Zhang, **Y. Lu**, and B. Xu. 2014. Modeling the Risk of Highly Pathogenic Avian Influenza H5N1 in Wild Birds and Poultry of China. *Annual Meeting of the Association of American Geographers*, Tampa, FL. April 8-12, 2014.

Zhang, P., R. Li*, M. Lu, Z. Jiang, P. Atkinson, **Y. Lu**, T. Yue, S. E. Jørgensen, B. Xu. 2013. Ecological Modeling of H5N1 Avian Influenza and Its Evolution in China. *The 19th ISEM Conference – Ecological Modeling for Ecosystem Sustainability in the Context of Global Change*. Toulouse, France. October 28-30.

Lu, Y. 2013. School Kids' Health Status by Physical Fitness: An Observation of Texas Schools. *The 21st International Conference on GeoInformatics'*. Kaigfeng, Henan, China. June 20-22, 2013.

Meaney, K., J. Zimmermann, G. Martinez-Ramos, **Y. Lu**, and J. Chen*. 2013. Neighborhood Transformation: Participatory Photo Mapping, At-Risk Youth, and Physical Activity. *The 2013 Research Consortium Conference of the AAHPERD National Convention and Exposition*. Charlotte, NC. April 23-27, 2013.

Lu, Y., T. B. Fang*. 2013. Individual-based Air Pollution Exposure Assessment. *Annual Meeting of the Association of American Geographers*, Los Angeles, CA. April 9-13, 2013.

Chen*, J., **Y. Lu.** 2013. Towards a Comprehensive Understanding of Childhood Obesity and Environment. *Annual Meeting of the Association of American Geographers*, Los Angeles, CA. April 9-13, 2013.

Scholz*, R., **Y. Lu.** 2013. Detecting Dynamic Activity Patterns at Collective Scale from Large Volume Trajectory Data. *Annual Meeting of the Association of American Geographers*, Los Angeles, CA. April 9-13, 2013.

Wu, X., S. Zhou*, L. Chen*, H. Tian*, **Y. Lu**, and B. Xu. 2013. The impact of global climate change on human infectious diseases. *Annual Meeting of the Association of American Geographers*, Los Angeles, CA. April 9-13, 2013.

Lu, Y., A. Davidson*. 2012. Access to Emergency Medical Services for Fatal Traffic Crashes in Texas. *Race, Ethnicity & Place Conference '12.* San Juan, PR. October 24-26.

Mathews*, A., **Y. Lu.** 2012. How Does Geography / GIS Knowledge and Gender Affect Consumption and Contribution to Online Geographic Tools and Services? *Race, Ethnicity & Place Conference '12.* San Juan, PR. October 24-26.

Lu, Y., T. B. Fang*, 2012. *Air Pollution Exposure: from Place-based to People-based Approach*. The 4th Conference of GCESS Scientific Steering Committee & the 2nd Conference of GCESS Council. Beijing Normal University, China. July 2-4.

Lu, Y., S. S. Eaves*. 2012. Is Disproportionality an Issue – Examining Child Protective Services in Travis County, Texas. *The 20th International Conference on GeoInformatics: Global Change, Adaptation and Risk Management.* Hong Kong, China. June 15-17.

Lu, Y. and R. Wang*. 2012. Detecting the Commuting Patterns in Central Texas by Local Vector Autocorrelation Analysis. *Annual Meeting of the Association of American Geographers*, New York City. February 24-28, 2012.

R. Wang* and **Y. Lu.** 2012. Visualization of Uncertainty: Perception and Decision Making. *Annual Meeting of the Association of American Geographers*, New York City. February 24-28, 2012.

Lu, Y. 2011. Teaching Undergraduate GIS Using Service-Learning and Cooperative-Learning Approaches. *The 19th International Conference on GeoInformatics: GIS in Education and Business*. Shanghai, China. June 23-26.

Lu, Y. 2011. Detecting Travel Patterns and Deviation from Routine. *The 107th Annual Meeting of the Association of American Geographers*, Seattle, WA. April 12-16.

Lu, Y., W. Yin, and J, Chen. 2010. Is What We See the Same as What They Measure – Transportation Convenience in Beijing. *The 106th Annual Meeting of the Association of American Geographers.* Washington DC. April 14-18.

Davidson*, A. and **Y. Lu**. 2010. Traffic Accident Fatalities: Does Prehospital Time Affect Outcomes? *The 106th Annual Meeting of the Association of American Geographers.* Washington DC. April 14-18.

Fang*****, T. and **Y. Lu**, R. Kim, and J. P. Blair. 2010. Recidivist Route Analysis with GPS Data – A Case Study. *The 106th Annual Meeting of the Association of American Geographers.* Washington DC. April 14-18.

Wang*****, R. and **Y. Lu**, and X. Cai. 2010. Evacuation Simulation for Large-scale Assembly. *The 106th Annual Meeting of the Association of American Geographers.* Washington DC. April 14-18.

Rossmo, K., **Y. Lu**, and P. Blair. 2009. An Analysis of Criminal Search Paths Using GPS Track Data. *The 10th Crime Mapping Research Conference: Solving Problems with Geography and Technology.* New Orleans, LA. August 19-22.

Lu, **Y.**, B. Taylor, and C. Koper. 2009. Trip Assignment for Journey-after-vehicle-theft in Mesa, AZ. *The 17th International Conference on Geoinformatics*. Fairfax, VA. August 12-14.

Lu, Y. 2009. Livable City – GIS and Spatial Analysis for Urban Studies. *2009 CPGIS Summer Research Workshop*. Beijing, China. June 18-19.

Showalter, P. and **Y. Lu**. 2009. Recent Development in the Use of Geographic Information Technology for Urban Hazard and Disaster Research. *The 105th Annual Meeting of Association of American Geographers.* Las Vegas, NV. March 22-27.

Lu, Y.. 2009. "□□□□□□□□□□□□□□□□□". □□□□□□□□□□□□□□□*Symposium of Spatial Studies in Liberal and Social Sciences*□. Hong Kong. March 16-17.

Lu, Y. and C. Yorke. 2008. How Much Geomasking Is too Much? *The 104th Annual Meeting of the Association of American Geographers.* Boston, MA. April 15-19.

Thill, J-C and **Y. Lu.** 2007. Cross-scale Analysis of Spatial Cluster Correspondence. *The 47th Congress of the European Regional Science Association*. Paris, France. August 29 – September 2.

Lu, Y. and S. Lin*****. 2007. On the Adverse Health Effects of Ozone Pollution: A GIS-Based Investigation. *The 15th International Conference on Geoinformatics: Cartography, Spatial Analysis, Visualization for Harmonious Society*. Nanjing, China. May 26-28.

Lu, Y. 2007. Learning by Doing: Teaching a Group Project Based Undergraduate GIS Course. *The 103rd Annual Meeting of the Association of American Geographers*. San Francisco, California. April 17-21.

Lu, Y. 2007. The Spatial Distribution of Drug Possession in Urban Build-up Environment. *The 9th Crime Mapping Research Conference*. Pittsburgh, Pennsylvania. March 28 – 31.

Hanford*****, E.J., F. B. Zhan, **Y. Lu** and A. Giordano. 2006. Chagas Disease and the Implications of Historical Biogeographical Research in Texas. *2006 Five-Seven States' Meeting*. Texarkana College, Texarkana, Texas. August 10-11.

Lu, Y. and T. Clunis. 2006. Spatiotemporal Patterns of Juvenile Offenses and Offenders in Dallas and Surrounding Area. *The 102nd Annual Meeting of the* Association of American Geographers. Chicago, IL. March 7-11.

Lu, Y. and I. DeLima*****. 2006. Detecting the Dynamics of Drug Offenses through Analyzing the Spatiotemporal Relationships between Drug Offenses and Property Crimes. *Symposium on Geography and Drug Addiction*. Chicago, IL. March 8.

Lu, Y. and J. Thill. 2006. Cross Scale Analysis of Cluster Correspondence using Different Operational Neighborhoods. *Western Regional Science Association 45th Annual Meeting*. February 22-25. Santa Fe, NM.

Zhan, F. B., **Y. Lu,** A. Giordano, E. J. Hanford. 2005. The need for Bio-geographic research for Chagas disease in Texas. *The 11th International Medical Geography Symposium*. July 5-9. Fort Worth, TX.

Zhan, F. B., **Y. Lu**, A. Giordano, E. J. Hanford. 2005. Geographic Information System (GIS) as a Tool for Disease Surveillance and Environmental Health Research. *2nd IEEE International Conference on Services Systems and Services Management (ICSSSM05)*. June 13 -15, 2005, Chongqing, China.

Lin, S. ***** and **Y. Lu**. 2005. Evaluating Local Non-stationarity when considering the Spatial Variation of Large-scale Autocorrelation. *The 101th Annual Meeting of Association of American Geographers*. Denver, CO. April 5-9.

Lu, Y. 2004. Journey-after-crime: How Far and to Which Direction Do They Go? *The 7th International Crime Mapping Conference: Identify the Direction, Establish the Connection, Engage the Future*. Boston, MA. March 31 – April 3.

DeLima, I. ***** and **Y. Lu.** 2004. Investigating the Spatial Relationship between Drug Use and Residential Burglary. *The 100th Annual Meeting of the Association of American Geographers*. Philadelphia, PA. March 15-19.

Lu, Y. 2003. Multiple Point Sets Interaction Analysis and Its Application On Investigating The Relationship Between Different Types of Property Crime. *The 26th Applied Geography Annual Conference*. Colorado Springs, Co. Nov. 5-8.

Lu, Y. 2003. Modeling Travel Distances through Investigating Spatial Continuity. *The 99th Annual Meeting of the Association of American Geographers*. New Orleans, LA. March 5-8.

Lu, Y. 2002. Investigating the Spatial Constructs of Urban Crime Context: a GIS Approach. *The Southwest Division of AAG Conference*. Laredo, TX. Nov. 6-9.

Lu, Y. 2002. Correspondence of Clusters in Point Pairs. *The 98th Annual Meeting of the Association of American Geographers*. Los Angeles, CA. March 19-23.

Lu, Y. 2001. Where are the Vehicles? –The Spatial Relationships between Vehicle Theft and Recovery Locations. *The 5th Annual International Crime Mapping Research Conference: Translating Research Into Practice*. Dallas, TX. December 1-5.

Lu, Y. 2001. The Spatial Pattern of Journey-after-Crime. *Annual Meeting of Southwest Division of AAG*. Fort Worth, TX. November 11-14.

Lu. Y. 2001. The Spatial and Temporal Pattern of Vehicle Thefts in Buffalo, New York. *The 97th Annual Meeting of the Association of American Geographers*. New York, NY. February 27 – March 3.

Lu, Y. 2000. Spatial Cluster Analysis of Point Data: Location Quotients Versus Kernel Density. *2000 UCGIS Summer Assembly*. Portland, Oregon. June 21-24.

Lu, Y. 1999. Multi-location Event Analysis: Using GIS Technology on Journey-to-Crime Research. *95th Association of American Geographers Annual Meeting*, Hawaii. March 24-27.

Lu, Y. 1998. Health Service Site Access Analysis Using Internet GIS. *Geographic Information Systems in Public Health: the Third National Conference*. San Diego, CA. August 18-20.

Lu, Y. 1998. Social Implications of Developing GIS: A Cost-Benefit Analysis. *Spatial Information Technology Towards 2000 and Beyond: Geoinformatics 98*. Beijing, China. June 17-19.

Lu, Y. and G. Lin. 1996. Improving Accessibility to Spatial Information on the Internet. *Spatial Technologies, Geographic Information, and the City, NCGIA Research Conference*, Baltimore, MD. September 9-11.

KEYNOTE SPEECHES AND PANELS

2025. Closing Plenary Panelist, Symposium on Geospatial Approaches to Pressing Grant Challenges: Global Pandemics, Climate Change, and Food Security. *The Annual Meeting of the American Association of Geographers*. Detroit, MI. March 24-28, 2025.

2024. Spatially-integrated Investigations – the Cans, the Cannots, and the Next Steps for Geospatial Sciences. *The 14th Academic Forum on Spatially Integrated Social Sciences and Humanities*. Nanchang, Jiangxi Province, China. June 28-30, 2024.

2023. Mapping and Empowerment for Social Change. Panelist. *XII Race, Ethnicity, and Place Conference – Middle Atlantic Division of AAG Annual Meeting*. Washington DC. October 11-13, 2023.

2023. The Thinker – Does Road Cross the Park? – A Special Session honoring David Mark. Panelist. *Annual Meeting of the American Association of Geographers.* Denver, CO. March 23-27, 2023.

2021. Supporting Women in GISceience. Panelist. *The 28th International Conference on Geoinformatics – GISciences for a Resilient Society.* Nanchang, China (hybrid). October 31 - November 5, 2021.

2021. Women's Leadership Roles in Geography: What they look like – What they are like. Panelist. *Applied Geography Conference 2021 (virtual).* November 14-16, 2021.

2021. GIS and Community Health. Panel organizers (with Enki Yo). *The 2021 UCGIS Symposium (virtual)*. June 7-9, 2021.

2019. Gender Concerns in the Geography Workplace. Panelist. *The 42nd Applied Geography Conference*, Charlotte, North Carolina. October 23-25, 2019.

2019. GIS in Higher Education. Panel Organizer and Chair. *GeoInformatics 2019 – the 27th Annual Conference of the International Association of Chinese Professionals in GIScience*, Sydney, Australia. July 1-7, 2019.

2019. Promoting Diversity in Geography at the AAG Leadership Symposium. Panelist. *Annual Meeting of the American Association of Geographers*, Washington DC. April 3-7, 2019.

2018. Crime Prevention through Environmental Design – A Renewed Lens by GeoSpatial Technologies. Keynote speech at *the 5th International Conference on Crime Geography and Crime Analysis.* Guangzhou, China. July 6-8, 2018. (J. Cregg as co-author)

2018. Human Dynamics – A Renewed Lens for Examining Man-Environment Relationship. Panelist. *GeoInformatics 2018 – the 26th Annual Conference of the International Association of Chinese Professionals in GIScience*, Kunming, China. June 28-30, 2018.

2018. Career Development in GIS – Gender Issues and Workplace Environment. Panelist. *GeoInformatics 2018 – the 26th Annual Conference of the International Association of Chinese Professionals in GIScience*, Kunming, China. June 28-30, 2018.

2017. Public Health through the Lens of GIS - Keynote speech *at GIS Day of the Texas Department of State Health Services*. Austin, TX. November 15, 2017.

2017. Defining the scale for health geography investigation. Panelist. *GeoInformatics. 2017 – the 25th Annual Conference of the International Association of Chinese Professionals in GIScience*, Buffalo, NY. August 2-4, 2017.

2012. Getting Your First Academic Job. Panelist. *Annual Meeting of the American Association of Geographers*, New York City, NY. February 24-28, 2012.

INVITED TALKS

2026. 3. 27. Urban Gentrification in East Austin: Measure It, Experience It, and Capture It. *Colloquium talk. Department of Geography. Texas A & M University*

2023.10.6. Environmental Exposure Assessment: Can we integrate Eulerian and Lagrangian frameworks? *Colloquium talk. Department of Geography, University at Buffalo –The State University of New York*

2022. 11.11. Environmental Exposure & Health Effects: Community Experience as well as Individual Stories. *Colloquium talk, Department of Geography and the Environment, University of North Texas*.

2022.3.23. Gentrification as Perceived and Experienced – Health Impacts for the Gentrified Neighborhood. *Colloquium talk, Department of Geography and Planning, Queen's University*

2022.2.10. Gentrification and Health: Measured, Perceived, and Experienced. *Great Problems, Great Minds Seminar Series, Department of Social Sciences, Illinois Institute of Technology*

2021. 12. 06. Health in Urban Development – Whose Health and Where? *Zijing Symposium Speech Series on Global Change, Department of Earth System Science, Tsinghua University*.

2021. 11.12. An Integrated Eulerian-Lagrangian Framework for Individual-based Exposure Assessment. *Colloquium talk, School of Geosciences. University of South Florida*.

2021. 3. 5. Define Space, Define Place – Understand Social and Environmental Context of Health. Colloquium talk at the EOHS Research Seminar Series, *The University of Texas. Health Science Center at Houston, School of Public Health, University of Texas*.

2018. 7. 17. GISys. & GISci. for Geographic Exploration. *Taiyuan University of Technology.* Taiyuan City, Shanxi Province, China.

2018. 7. 11. GIS for Whose Space? The Opportunities and Challenges Faced by Contemporary GIScience. *Collaborative Innovation Center of the Wisdom Central Plains of Henan Province*, Zhengzhou City, Henan Province, China.

2018. 7. 3. GIS for Whose Space – Challenges and Opportunities in an Era of Big Data. *Institute of Agriculture Resources & Regional Planning, Chinese Academy of Agriculture Sciences*. Beijing, China.

2017. 04.28. GIS-Supported Health Studies and Crime Analyses. *Faculty of Geography, Universidad Autónoma del Estado de México,* Toluca, México.

2016. 06. 17. GIS-Supported Environmental Health Investigations. *School of Geography, Shanxi Normal University*, Linfen, Shanxi Province, China.

2016. 06. 15. Environmental Health Studies under the Support of GIS. *School of Resource and Environment Sciences, Shanxi Agriculture University*, Taiyuan, Shanxi Province, China.

2016. 06. 14. Investigating the Health Effects of the Environment. *School of Geography, and Center for Scientific Development of Fenhe Basin, Taiyuan Normal University*, Taiyuan, Shanxi Province, China.

2016. 06.06 Environmental Health Investigation and GIS. *School of Geography and Remote Sensing, Beijing Normal University*, Beijing, China.

2016. 06.02, 07, & 08 Crime and Criminal Studies Under the Support of Geospatial Information and Analysis. *School of Police Information System and Engineering*, and *School of Criminal Justice, People's Public Security University*, Beijing, China.

2013. 06.28 Sharing of Health and Disease Data versus Protection of Citizen Privacy and National Interest, National Workshop on GIS for Public Health, *Beijing Normal University*, China.

2012. 06.26. GIS and Spatial Statistics – Towards Discovery in Human Geography. School of Geography and Planning, *Sun Yat-Sen University*, Guangzhou, China.

2012. 06. 19. Spatial Analysis of Air Pollution and Childhood Respiratory Diseases. *Guang Zhou University*, Guangzhou, China.

2012. 06. 13. Spatial Variation of Adverse Health Effects of Ozone Pollution. *South China Normal University*, Guangzhou, China.

2012. 06. 11. Wildfire Risk Analysis at Wildland-Urban Interface. *Inner Mongolia Normal University*. Huhehaote, China.

2011. 10.13. How Did I become a Scientist? *Central Texas Chapter of the Association of Women in Science.* San Marcos, TX.

2011. 7. 3. Spatiotemporal Analysis of Crime and Criminals' Travel Patterns. *Chinese People's Public Security University*. Beijing, China.

2011. 3. 7. Livable City – The Megacities on the Other Side of the Earth. *Student Planning Organization, Texas State University – San Marcos.* San Marcos, TX.

2009. 9. 11. How Much Do They Love Their City – Urban Livability in Beijing. *Department of Geography Brown Bag Talk, Texas State University – San Marcos*. San Marcos, TX.

2009. 6. 5. Livable City – A Spatial Analysis of Transportation Convenience in Beijing. *Peking University.*

2009. 4. 28. The Application of GIS in Social and Economic Studies. *Beijing Union University.*

2009.3.11. GIS and Spatial Analysis: Towards Discoveries in Human Geography. *School of Geography, Beijing Normal University.*

2008.12.24. Spatial and Empirical Analysis for Urban Studies. Colloquium Talk at the *School of Social Development and Public Policy, Beijing Normal University*, Beijing, China.

2008. 11. 26. GIS and Geographical Analysis on Social Development and Public Policy Issues. *School of Social Development and Public Policy, Beijing Normal University*, Beijing, China.

2008. 10. 12. How to Better Prepare College Students for Job Marketing: Thoughts on Course Development and Student Training. *2008 Beijing Symposium on the Education and Training of Professionals in Real Property Development and Management*. Beijing Union University, Beijing, China.

2007. 7. 11. Spatial Variation of the Adverse Health Effects of Ozone Pollution. *Chinese Academy of Science*. Beijing, China.

2007. 7. 11. Cluster Correspondence: Definition, Scale, and Operational Neighborhood. *Chinese Academy of Science*. Beijing, China.

2007. 7. 5. Understanding Crime from a Spatial Perspective. *Chinese People's Public Security University*. Beijing, China.

2007. 6. 25. Spatial Autocorrelation of Paired-locations: Cluster Correspondence, Scale, and Operational Neighborhood. *Institute of Remote Sensing, Peking University*. Beijing, China.

2007. 6. 24. Spatial Aspects of Crime Analysis. *Chinese People's Public Security University*. Beijing, China.

2006. 1. 20. Catch Me If You Can – Using GIS and Spatial Statistics for Crime Analysis. *Department of Geography, University of California at Los Angeles*.

2004. 3. 9. Geography and GIS in China. *GAMMA THETA UPSILON Geographical Honor Society, Texas State University Chapter*.

2001. 1. 23. Vehicle Thefts in Buffalo, New York – Distribution and Determinants. *Department of Geography, Southwest Texas State University*.

2001. 1. 17. Vehicle Thefts in Buffalo, New York. *Department of Geography, The University of North Carolina at Greensboro*.

GRANT SUPPORTS AND ACTIVITIES

2024-27 National Science Foundation Award. "Geospatial Sciences Alliance for International Women Faculty Advancement (GAIA). **Member** of the Advisory Board. $1M Project. PI: Jieun Lee, Co-PIs: G. Langham, A. Rock, L. Ramasubramanian. (Grant# 2404263 and 2404264)

2023-26 National Academies of Sciences, Engineering, and Medicine - Gulf Research Program and Robert Wood Johnson Foundation Award, "Community-driven Geospatial Approach to Improving Public Health Data Systems in Beaumont-Port Arthur, Texas." **Co-PI** and **Project Leader** at Texas State University. $1.5M Project PI: Dr. Ayodeji Iyanda, Prairie View A&M University. (Grant# SCON-10000855) (NCE to February 2026)

2018-19 MIRG (Multidisciplinary Internal Research Grant), Texas State University. "Does Social Media Make Us Sick? – A Pilot Study of the Effects of Social Media on Physiological Reactivity and Mental Health." **Co-PI.** $23,784. (PI: K. Howard; other Co-PIs: N. Ceballos, T. Grimes, S. Dailey, S. Lee, S. Sharma)

2018 Travel Award for international and interdisciplinary activities, Center for International Studies, Texas State University. $1,000.00

2018 Accelerated Funding from the Provost Office, Texas State University, "Social Media and Mental Health among College Students". **PI.** $12,000. (Co-PI: K. Howard, and T. Grimes)

2014-16 National Science Foundation, "NSF CC*IIE Networking Infrastructure: Enabling and Improving Data-Driven Research at Texas State University". ***Senior Personnel (Dr. X. Chen as PI)***. $499,896. (Grant# 1440637)

2013- Rising Scholarly Travel Activity and Research (S.T.A.R.) Grant, Texas State University, to support students from my research group to travel to the conference and present research papers. Each award was up to $1,500.

2011-13 National Science Foundation of China, "The Specialization and Concentration of Urban Functions in a 2-D Space – A Case Study of Beijing". ("□□□□□□□□□□—□□□□□□□□□□") ***Co-PI (Dr. Y. Yao from Renmin University, Beijing, as PI)***. ¥386,000.00 for three years. (Grant# 41071111)

2010-11 Texas State University Faculty Fellow Funding, "Service-Learning: An Effective Approach to Combine Training and Education for GIS Students". ***PI***. $1,500.

2008-10 National Institute of Justice. "A Randomized Experiment of License Plate Recognition Technology in Mesa, AZ". ***PI.*** Subaward from the Police Executive Research Forum for $33,000. (Grant# 2007-IJ-CX-0023)

2008-09 Bureau of Justice Assistance. "Criminal Hunting Paths: An Analysis of the Spatial Behavior of Recidivists". ***Co-PI (Dr. K. Rossmo as PI).*** $149,758. (Grant#: 2007-DD-BX-K093)

2008 Beijing Municipal Commission of Development and Reform. "Coordinating between Beijing and its Surrounding Areas for the Development of National Main Functional Regions". ¥80,000. **One of the two PIs**.

2005-07 Environmental Protection Agency. "Evaluation of Groundwater Chemistry in Gonzales County, Texas and Educational and Technical Assistance to Groundwater Conservation Districts in Texas." ***Co-PI (A. Sansom as PI).*** $145,400.

2005 Office of the Governor of Texas, Criminal Justice Division, "Spatial Pattern and Socio-economic Analysis of Juvenile Offense and Offenders' Travel Behavior in Dallas and Surrounding Counties: One of the two components for the Risk Assessment Instrument Pilot Project". ***PI.*** Subcontract through the Center for Safe Communities & Schools, Texas State University. $8,500.

2004 Texas State University Library Research Grants. "Urbanization in Socialist China: A planning process or a marketing process?" ***PI.*** $1,300.

2004 United States Department of Defense. "Border Health and Environment Threats Security". ***Co-project director*** on a team formed by researchers across Texas State Universities ***(Dr. F. Zhan as project director at Texas State University –San Marcos)***. $94,933 for Texas State University – San Marcos geography team for the first year of a multi-year project.

2003-05 National Institute of Justice, Office of Science and Technology. Geographic Patterns and Profiling of Illegal Crossings of the Southern U.S. Border. ***As a GIS Consultant (Dr. K. Rossmo as project director** at Texas State University – San Marcos**).***

2003 Southwest Texas State University Research Enhancement Program. "Building the Right Roads – A GIS-based Traffic Analysis Method to Identify Location Needs for New Roads and Road Expansion". ***PI.*** $8,000.

GRANT SUPPORTED PROJECT REPORTS & DATA SETS

Chang, C-F., A. Iyanda, C. Jones, H. Kelley, G. Carrillo, J. Erdely, T. Lu, **Y. Lu**, X. Huang, and D. Han. 2026. *Social and Environmental Determinants of Health in Beaumont and Port Arthur Gulf Communities* [Dataset]. Harte Research Institute. https://doi.org/10.7266/5JY9M5AK

Lu, T., A. Iyanda, **Y. Lu**, C-F. Chang, G. Carrillo, D. Han, J. Erdely, X. Huang, C. Jones, K. Kelley. 2026a. *Criteria Air Pollutant in Beaumont-Port Arthur, Texas* [Dataset]. Harte Research Institute. https://doi.org/10.7266/852A9378

Lu, T., A. Iyanda, **Y. Lu**, C-F. Chang, C-F., G. Carrillo, D. Han, J. Erdely, X. Huang, C. Jones, K. Kelley. 2026b. *VOC Air Monitoring in Beaumont and Port Arthur, Texas (Nov 2024–May 2025)* [Dataset]. Harte Research Institute. https://doi.org/10.7266/926F2TQH

Iyanda, A., C-F Chang, J. Erdely, G. Carrillo, C. D. Han, X. Huang, T. Lu, and **Y. Lu**. 2026. *Community-Driven Geospatial Approach to Improving Public Health Data Systems in Beaumont-Port Arthur, Texas (Final Report)*. Submitted to the National Academy of Science, Engineering, and Medicine (Gulf Research Program) & the Robert Wood Johnson Foundation.

Lu, Y. 2024. *Community-Driven Geospatial Approach to Improving Public Health Data Systems in Beaumont-Port Arthur, Texas (Progress Report)*. Submitted to NAS -RWJF via Texas A&M Prairie View University.

Lu, Y. 2011. *Incorporating Service-Learning into Undergraduate GIS Teaching*. Final report for the Service-Learning Fellowship (2010-11), submitted to Service-Learning Initiative of Texas State University.

Rossmo, K., **Y. Lu**, and P. Blair. 2009. *Criminal Hunting Path: An Analysis of Spatial Behavior of Recidivists.* Final project report submitted to Bureau of Justice Assistance, Office of Justice Programs, The U. S. Department of Justice.

Tian, M., and **Y. Lu.** 2008. *A Study on the Coordination between Beijing and the Surrounding Areas for the Development of National Main Functional Regions.* Project report submitted to the Beijing Municipal Commission of Development and Reform.

Lu, Y. 2008. *Trip Assignment Project on Journey-after-vehicle-theft in Mesa, Arizona*. Project report on the sub-awarded project from the project, *A Randomized Experiment of License Plate Recognition Technology in Mesa, AZ*, which is funded by the National Institute of Justice through the Police Executive Research Forum. Submitted to PERF on August 13, 2008.

Zhan F. B., **Y. Lu**, A. Giordano, and E. J. Hanford. 2006. *Project Data Report: Initial Database Development for a Border Disease Surveillance System in Relation to Migrating Workers, Disease Vectors, and Drug Resistant Disease in the Mexico-Texas.* Border Health Initiative Project Status Report. Submitted to Brooks City-Base Foundation, Inc., under PIA FA8901-04-3-0001 and CPO FA89-1-04-3-5000.

Lu, Y. 2005. *Juvenile Justice Delinquency Intervention Project, 2003 – 2004: Project Report on Geographic Mapping and Socio-economic Analysis*. Project Report. Submitted to the Center for Safe Communities & Schools, as part of the Risk Assessment Instrument Pilot Project, supported by Office of the Governor through the Criminal Justice Division.

Zhan F. B., **Y. Lu**, A. Giordano and E. J. Hanford. 2005. Texas-Mexico Border Health and Environmental Security Initiative - GIS for Texas-Mexico Border Environmental Health Tracking. Border Health Initiative Project Task Report. Submitted to Brooks City-Base Foundation, Inc., under PIA FA8901-04-3-0001 and CPO FA89-1-04-3-5000.

CONSULTANCIES

2018-19 Deidentification & Masking of Health Data. Children's Optimal Health, Austin, TX (unpaid; volunteered service to non-profit organization)

ACADEMIC HONORS AND AWARDS

2026 Nominee for the Mariel M. Muir Excellence in Mentoring Award, Texas State University

2024 Spirit of Geography Award, the Highest Award of the Department, Department of Geography and Environmental Studies, Texas State University

2021 Outstanding Leadership Award, Department of Geography, Texas State University

2020 Outstanding Leadership Award, Department of Geography, Texas State University

2020 Teaching Award of Honor, Texas State University Alumni Association.

2019 International Studies Administrator of the Year. Center for International Studies, Texas State University

2016 Alpha Chi Favorite Professor, Alpha Chi National College Honor Society.

2016 College of Liberal Arts Achievement Award for Excellence in Scholarly/Creative Activity, Texas State University.

2016 Elsevier Atlas Award for publication of research paper with broad impact (paper citation: Wu, X., **Y. Lu**, S. Zou*, L. Chen*, and B. Xu 2015. Impact of climate change on human infectious diseases: Empirical evidence and human adaption. *Environment International.* 86: 14-23)

2014 - Honorary Professor of International Studies, Texas State University

2014 Alpha Chi Favorite Professor, Alpha Chi National College Honor Society.

2014 Faculty Development Leave in Fall 2014, Texas State University

2013 Outstanding Professor Award, Graduate Forum, Department of Geography, Texas State University

2012 Distinguished Teaching Achievement Award for Higher Education, National Council for Geographic Education.

2012 Service of Excellence Award, International Association of Chinese Professionals in Geographic Information Sciences.

2011 Travel Award from NSF through AAG to attend and present a research paper at the International Geographical Union Regional Conference in Santiago, Chile.

2010 Favorite Professor, Texas State University, the Alfred H. Nolle Chapter of the Alfred Chi National College Honor Society

2010-11 Faculty Fellow, Texas State University Service-Learning Initiative.

2008-09 Faculty Development Leave in Fall 2008, Presidential Research Leave Award for Spring 2009, Texas State University.

2008 University Foundation of Excellence Award, Texas State University – San Marcos

2008 Elected to *Marcus Who's Who in America*, 110th edition (2009 edition).

2007- Named numerous times by the Graduating Student Recognition of Campus Support Program at Texas State University. The program recognizes faculty members who make a significant impact on students' academic careers

2007 Funding from the Mapping and Analysis for Public Safety (MAPS) program of the National Institute of Justice to attend and present a research paper at the Ninth Crime Mapping Research Conference. Pittsburgh, Pennsylvania. March 28-31.

2007 Member of the Expert Advisory Group for the Geographic Profiling in Counter-terrorism Project that was awarded to the Center for Intelligence and Information at Texas State University by the National Geospatial-Intelligence Agency (NGA)

2004 Funding from the Mapping and Analysis for Public Safety (MAPS) program of the National Institute of Justice to attend and present a research paper at the Seventh Annual International Crime Mapping Research Conference. Boston, Massachusetts. March 31 – April 3.

2003 Young Scholars (PhD '98 or later) Travel Award (with a Maximum Award), U.S. National Committee for International Cartographic Association (ICA), 21st International Cartographic Conference (ICC), Durban, South Africa. Aug. 10-16.

2002 ESRI UCGIS Young Scholar Award. University Consortium of Geographic Information Sciences, Athens, Georgia. June 26-30.

2001 Funding from the National Institute of Justice to attend and present a paper at the Fifth Annual International Crime Mapping Research Conference. Dallas, Texas. December 1 – 4.

2000 Graduate Student Paper Award, 2000 University Consortium for Geographic Information Science (UCGIS) Annual Summer Assembly. Portland, Oregon. June 21-24.

2000 GIScience Bowl Winner, University Consortium of Geographic Information Science (UCGIS), June, Portland.

1999 Elected to Who's Who Among Students in American Universities and Colleges in recognition of outstanding merit and accomplishments as a graduate student of the State University of New York at Buffalo – Graduate School.

1999 Student Travel Award from AAG for the 95th AAG Annual Conference. Hawaii. March 24-27.

1999 Student Travel Award and finalist for the Student Paper Competition, AAG GIS Specialty Group. 95th AAG Annual Conference, Hawaii. March 24-27.

1999 Student Travel Award, AAG Economic Geography Specialty Group, 95th AAG Annual Conference. Hawaii. March 24-27.

1998 Graduate Student Fellowship, National Center for Geographical Information Analysis (NCGIA), for the 3rd National Conference on GIS in Public Health. San Diego, California. August 18-20.

1998 Student Travel Grant from the Graduate School, State University of New York at Buffalo, for the 3rd National Conference on GIS in Public Health. San Diego, California. August 18-20.

1996 Fellowship from the National Center for Geographic Information and Analysis (NCGIS), for NCGIA conference on Spatial Technologies, Geographic Information, and the City. Baltimore, Maryland. September 9-11.

EDITORIAL AND REVIEW ACTIVITIES

Member of Editorial Board:

Annals of the American Association of Geographers (2018 - 2026)
Computers, Environment and Urban Systems (2012 -)
International Journal of Society Systems and Science (IJSSS) (2007- 2013)
International Journal of Sustainable Society (IJSSoc) (2007 -)
The Open Environment Sciences (ISSN 1876-3251) (2007- 2015)

Guest Editor:

Computers, Environment and Urban Systems 36(2) (a special issue on Pervasive Location Acquisition Technologies)
Journal of Prevention and Intervention in Community 53(3) (a special issue on Cardiovascular Diseases and Risk Factors in the Minoritized Community)
Big Earth Data (a special issue on Uncertainty in Big Geodata)
Applied Sciences (a special issue on Spatial Data and Technology Applications)

Manuscript Reviewer:

Annals of GIS (8)
Annals of the American Association of Geographers (10)
Armed Forces & Society (1)
Applied Geography (2)
Artificial Intelligence in Medicine (1)
Cartographica (1)
Cartography and Geographic Information Science (5)
Cities (3)
Computers, Environment and Urban Systems (37)
Criminology (1)
Cureus (1)
Discrete Dynamics of Nature and Society (2)
Environment and Planning B (2)
Environment International (4)
Environmental Geochemistry and Health (2)
Epidemiology and Infection (1)
Frontier in Public Health (1)
Geographical Analysis (2)
Geographic Information Science (1)
Geographical Information Systems and Crime (edited by Wang, F. and published by IDEA Group Publishing) (1)
GeoInformatica (1)
GeoJournal (2)
Global Urban Monitoring and Assessment Through Earth Observation (edited by Weng, Q and published by CRC Press) (1)
Habitat International (1)
Humanities & Social Sciences Communications (1)
International Criminal Justice Review (2)
International Journal of Digital Earth (1)
International Journal of Geographic Information Sciences (IJGIS) (4)
International Journal of Health Geographics (1)
International Journal of Risk Assessment and Management (1)
International Journal of Society Systems and Science (IJSSS) (3)
International Journal of Sustainable Society (IJSSoc) (4)
International Journal of Urban Studies (1)
ISPRS International Journal of Geo-Information (2)
JMIR mHealth and uHealth (1)
JMIR Public Health and Surveillance (1)
JMIR Research Protocols (1)

Journal of Criminal Justice (3)
Journal of Geographical Systems (3)
Journal of Historical Geography (1)
Journal of Location Based Services (1)
Journal of Prevention and Intervention in the Community (4)
Journal of Transport Geography (1)
Journal of Prevention and Intervention in the Community (1)
Kartographische Nachrichten (1)
Papers of Applied Geography Conferences (3)
Policing: An International Journal of Police Strategies & Management (1)
Proceedings of GeoInformatics: international Conferences 2007- (30+)
Proceedings of ICNAAM 2009, 2010 (3)
Public Health (2)
Science of the Total Environment (1)
Scientific Reports (2)
Social Science & Computer Review (1)
Spatial and Spatio-temporal Epidemiology (1)
The Journal of Forensic Sciences (1)
The Professional Geographer (5)
Transactions in GIS (9)
Urban Geography (1)
Urban Studies (2)
World Medical & Health Policy (1)

Grant Reviewer:

Czech Science Foundation
Canada Foundation for Innovation: John R. Evans Leaders Fund
Health and Medical Research Fund (HMRF), Food and Health Bureau (FHB) of Hong Kong
La Caixa Foundation Research
National Science Foundation: BCS – Human-Environment and Geographical Sciences Program
National Science Foundation: BCS – Geography and Spatial Sciences program
National Science Foundation: BCS – Geography and Regional Science program
National Science Foundation: SES – Law and Social Sciences Program
National Science Foundation: SES – Methodology, Measurement, and Statistics Program
National Science Foundation: T-APRRR – Trans-Atlantic Platform Recovery, Renewal, and Resilience in a Post-Pandemic World

National Academy of Sciences, Engineering, and Medicine, the Science & Technology Development Fund (STDF): U.S.–Egypt Science and Technology Joint Fund
University Transportation Research Center, Region II, US Department of Transportation

Other Reviews:

Jacques May Thesis Prize, Health and Medical Geography Specialty Group, American Association of Geographers
Student Paper Competition, Graduate Student Affinity Specialty Group, American Association of Geographers
Student Paper Competition, SAM Specialty Group, American Association of Geographers

TEACHING EXPERIENCES

Courses Taught at Texas State University:

Undergraduate level courses:

Fundamentals of GIS (GEO2426)
Management and Implementation of GIS (GEO 2427)
Health Geography (GEO 3351)
Advanced GIS (GEO 3426)
Design and Implementation of GIS (GEO 4427)
Independent Study (GEO 4190)
Geography of Crime (GEO4355)

Master's level courses:

Geographic Information Systems I (GEO 5418)
Geographic Information Systems II (GEO 5419)
Geographic Analysis (GEO 5309)
Problems in Applied Geography – Health Geography (GEO5395)
Independent Study (GEO 5190, GEO 5290, GEO 5390)
Directed Research (GEO 5335)
Thesis (GEO 5399A, GEO 5399B, SUST 5399, SUST 5399B)

Ph.D. level courses:

Advanced Research Design (GEO7300)
Advanced Topics in GIScience (GEO 7361)
Seminar in Geographic Information Science (GEO 7372)
Independent Study (GEO 7390)
Dissertation (GEO 7X99)
Geographic Information Systems (GEO7417)

Course Taught as Visiting Professor)

Geographic Information Systems (co-taught in Spring 2009, Peking University)
GIS for Social and Economic Studies (2013 Summer International School, People's University)

Course(S) and Curriculum Developed:

Geography of Crime (Senior Level and Master's Level stack course)
Advanced Topics in GIScience (Ph.D. Seminar)
Topics in Geographic Information Science (Ph.D. Seminar)
Geographic Information System I (Master Level)
Geographic Information System II (Master Level)
Advanced GIS II (Undergraduate Level)
Health Geography (Undergraduate & Master's Level)

GRADUATE STUDENTS

As Advisor and Doctoral Dissertation Committee Chair:

Lin, Shing (August 2007) (Current position: Senior Product Engineer with ESRI)
A GIScience Investigation into the Relationship between Childhood Respiratory Diseases and Unhealthy Ozone Levels: Environmental Inequity and Health Disparity in the Houston Area

Fang, Tianfang (December 2012) (Current position: Manager, ICF – Business Consulting and Services)
A Pseudo Individual Real-Time Measurement for Assessing Air Pollution Exposure in Selected Texas Cities

Parr, David (August 2015) (Current position: Teaching Assistant Professor, University of North Carolina – Chapel Hill)
The Production of Volunteered Geographic Information: A Case Study of OpenStreetMap in the United States

Pickett, Jackson (December 2015, Independent Scholar & Physician)
Investigation of Gender and Race Effects on Promotion in Departments of Geography in the United States

Biegas, Tamara Christine (May 2017) (Current Position: Associate Professor, Harford Community College, Bel Air, Maryland)
Adolescent Overweight and Obesity: A Geographic Inquiry

Scholz (Wang), Ruojing (May 2018) (Current position: GIS specialist, Minnesota Department of Transportation)
Space-time Modeling of Urban Population Daily Travel-Activity Patterns Using GPS Trajectory Data

Jin, H. Hannah (May 2019) (Current position: Associate Professor of Instruction, School of Geosciences, University of South Florida)
Examining the Geography of Food Deserts and Food Swamps in Austin, Texas

Iyanda, Ayodeji (May 2021) (Current position: Tenure-track Assistant Professor, Prairie View A & M University)
Geographic Investigation of Gentrifying Neighborhoods and Chronic Health Conditions in East Austin, Texas

Singh, Chayanika (August 2022) (Current position: Assistant Professor of Teaching, Department of Geography, The Ohio State University)
Exploring the relationship between Housing Environments and Physical Functioning of older Americans at the Household and Neighborhood levels

Love, Christine (May 2024; Regional Manager, Advanced Law Enforcement Rapid Response Training (ALERRT) Center, Texas State University)
Evaluating Preparedness and Lessening Casualties in Active Attack Events: Avoid. Deny. Defend.

Ekeanyanwu, Chikodinaka "Nakky" (December 2025) (Current position: GIS Analysis, Texas Department of Transportation)
A Geography of Flood Risk, Social Vulnerability, and Health Outcomes in Austin, Texas

Ansah, Hilary (May 2026)
Gentrification, Foodscape, and Food Access: A Case Study of East Austin, Texas

Lindsey, Keenon (3rd year, ABD)
Seeing Gentrification: A Deep Learning Approach to Visual Change Perception

Medel, Monica (ABD)
Crime Surveillance using Social Media: Combining Data Mining and GIS Method

Mills, David (ABD)
Using Real-time Data to Assess Estimated Air Pollution on Transportation Routes in the Greater Austin Area in Texas

Salimi, Sirwan (2nd year)

<u>As a Member on Doctoral Student Committees (within the Department):</u>

Anyanwu, Chijioke (May 2024)
Spatial Association between Maternal and Early Life Exposure to Air Pollution and Acute Respiratory Infection among Children in Nigeria

Burleson, Shelley (May 2019)
GIScience for Genocide Studies: Challenges and Methods for Managing and Analyzing Geohistorical Data

Cano Amaya, Laura (December 2014, Director of International Employment, Texas State University)

Resilience to What? Of What? Furthering the Development of Disaster Resilience Metrics

Chen, Xuwei (May 2006, Associate Professor with tenure, Northern Illinois University)
Microsimulation of Evacuation Strategies

Cook, Jeff (May 2007)
A Case Study Regarding Bioterrorism Readiness as a Function of Perceived Vulnerability and Ensuing Effect on Bioterrorism Vigilance among Healthcare Workers within Harris County Hospital District, Houston, Texas

Deka, Mark (May 2019)
The Geography of Farmworker Health: A Mixed-method Exploratory Analysis of Chronic Disease

Egan, Kristine (May 2006)
Geographic Analysis of Terrorscape: the Spatial Pattern of Risk, Exposure and Vulnerability to the Urban Terror Threat

Hanford, Elaine J (December 2010)
Investigating Health Consequences from Major Flood Occurrences in South-Central Texas Through the Lens of Frame Theory and Analysis, Assessing Awareness, and Communicating Risk

Hartsell, Alisa (August 2024)
The Legal Violence of Liminal Status: Navigating United States Immigration Courts and Asylum Seeking

Lopez, Christine (May 2021)
Community Geography, Place Identity, And Environmental Stewardship: What Motivates Volunteerism at Environmental Nonprofits?

Nicosia, David (December 2013)
Simulating Uncertainty in Volunteered Geographic Information

Patton, Matt (December 2014)
Examining Teachers; Attitudes and Believes towards Messages for Teaching Geography in K-12 Education from Leaders in Geographic Education

Ponstingel, John (May 2021)
The Role of Social Institutions in Latinx Voter Turnout: A Case Study of Seven Counties in Texas

Seal, Kathleen (December 2014)
Value, Meaning, and Therapeutic Notions of the Appalachian Trail

Tucci, Michele (May 2011)
For an Urban History of Milan, Italy: The Role of GIScience

Tian, Nancy Jianhua (August 2010)
Racial, Socioeconomic, and Geographic Disparities of Female Breast Cancer in Texas

Wan, Neng (August 2011)

Disparities of Colorectal Cancer Survival in Texas

Wang, Xujiao Joy (August 2019)

Location-based Social Media for Activity Space Modeling

Wei, Guixin Fred (August 2018)

Assessment of Personal Exposure to Air Pollution Based on Trajectory Data

Wilson-DeLima, Ionara (December 2007)

A Spatial Epidemiological Analysis of Oral Clefts and Volatile Organic Compounds in Texas

Wu, Derek (May 2006)

Census Population Disaggregation based on Remotely Sensed Data

Wu, Guangyu (May 2008)

Regional Climate Change and its Impacts on Water Resources in Texas

Yao, Zhijun (May 2011)

Cluster Analysis of Health Data Involving General Disease Cluster Shapes and Multiple Variables

Yorke, Charles (May 2010)

A Three-Component Model of Hazards of Place

Grubh, Kumudan (ABD)

Effect of Spatial Configuration on Surface Urban Heat Island in the Fastest Growing City in The U.S.

As an External Member / Reader on Doctoral Dissertation Committees:

Chai, April School of Criminal Justice and Criminology, Texas State University (2025)

Friz, Christian School of Criminal Justice and Criminology, Texas State University (2024)

Sirsi, Shashwat Department of Biology, Texas State University (2021)

Gong, Yongxi, Peking University (2011)

Huang, Qian, Peking University (2011)

Noh, Keeyoon School of Criminal Justice, Texas State University (2019)

Wang, Daming, Peking University (2010)

Wang, Yong, Tsinghua University (2013)

As Advisor and Chair of Master's Students' Committees:

Akinloye, Deji (Sustainability MS Student) (December 2025)

Uran Emission Patterns and Air Quality Disparities: A Spatial-Statistical Analysis of GHG Emissions across U.S. Cities

Bashar, T.M. Junaid (August 2024)

An Examination of Hospital Accessibility and Its Relationship with Socioeconomic Factors in Central Texas

Belschner, Andrew (December 2004)

Using Gravity Techniques in Location Analysis: A GIS Case Study of Bowling Centers in Central Texas

Bracewell, Jeff (May 2006)

Visual Impact from Facility Towers at LBJ National Historical Park

Campbell, Michelle (May 2006)

Juvenile Crime in North Texas: A Spatial and Temporal Analysis

Cregg, James (August 2018)

A Study of CPTRD and Defensible Space Factors and Their Relationship to Crime Risk in Beaumont, Texas

Davidson, Aja (December 2010)

Reveal Accessibility to Emergency Services for Fatal Motor Vehicle Crashes in Texas

Ekeanyanwu, Chikodinaka "Nakky" (December 2021)

Examination of Flooding Risk and Vulnerability of Onion Creek Neighborhood in Austin: Who Are Impacted and Why?

Fletcher, Justin (August 2008)

Patterns of Identity Thefts in Austin, Texas

Friedel, Hans (May 2011)

Urban Food Deserts in the Austin Metro Area

Islam, Fahad Bin (May 2026)

Modeling Spatial & Temporal Variability of Ozone Using Inverse Distance Weighting and Kriging Methods in Beaumont-Port Arthur, Texas

Landauer, Robert (May 2012)

Mapping Bicycle Facilities for the Texas State University Student Community – A Combined Supply and Demand-Based Approach

Lindsey, Keenon (May 2023)

Neighborhood as Spatial Unit for Studying Gentrification and Displacement in Austin, Texas

Lu, Fangda (August 2018)

Does Better Accessibility to Exercise Facilities Mean People Using Them More?

Maduneme, O Joseph (December 2006)

Using GIS to Map and Analyze School Violence in Texas, 2003

Martin, David (May 2005)

Environmental Justice Issues as Related to Hazardous Waste in Bexar County, Texas

Mills, David (August 2018)

Agent-based Modeling of the Transport of Ozone Generated by Point-source Emissions of Ozone Precursors

Parr, David (August 2008)

The Diffusion of GIScience Research: An Examination on Major GIScience Publications

Pickle, Joseph Ben (May 2004)

Diversity up in the Air: Radio Ownership Deregulation and Local Concentration of Co-owned Radio Stations in Texas

Poehlmann, Wesley P (May 2011)

An Analysis of Land Use Suitability and Conflict in Hays and Comal Counties in Texas Using GIS

Quarshie, Victor (Sustainability Studies Program MS student) (May 2026)

Examining the Association Between Open Parks and Dementia Prevalence Across Rural and Urban Counties in Texas

Sami, Olumuyiwa A (May 2005)

Using GIS and Remote Sensing Techniques to Measure Urban Sprawl in Austin

Soules, Jeremy (May 2010)

Transportation Network's Capacity to Support Emergency Evaluation in the City of Austin

Squires, Abigail L (May 2005)

A Geographic Understanding of Burglaries in San Antonio, Texas

Stefka, Sara (December 2010)

Disproportionality in Travis County Child Protective Services

Teng, Yahan (August 2017)

Diffusion of Twitter Messages on Dallas Mass Shooting: Patterns and Factors

Ulloa, Octavio (December 2013)

Association of Childhood Obesity, Dental Carries and the Food Environment at the School Level

Woodworth, Philip (May 2014)

Optimal Site Location of Emergency Facilities and Least Cost Paths in Response to Oil and Natural Gas Disasters: A Case Study of Panola County, Texas

Zell, Zoe (August 2016)

Incorporating Driver's License Data to Examine Obesity and Its Relationship with Access to Green Space in Central Texas

<u>As a Committee Member on Master's Students' Committees:</u>

Bakiera, Adam (August 2016)

Bass, Bill (December 2005)

Benke, Rachel (May 2005)

Bennett, Catrin (December 2012)

Brom, Aileen (December 2025)

Carter Lori (May 2008)

Chaturvedi, Kshitij (May 2003)

Chen, Xuejing (Beijing Normal University, June 2009)

Christian, Taylor (August 2013)

Clark, Adam (December 2016)
Cotter, Bitsy (August 2004)
Hou, Shuohan (Beijing Normal University, June 2009)
Grannis, Warren (May 2012)
Irwin, Anthony (August 2011)
Kreisner, Sarah (December 2010)
Lavy, Brendan (May 2013)
Lebron Bengochea, Adailin (August 2018)
Li, Wenjuan (Jiangxi Normal University & Beijing Union University, July 2009)
Liu, Xingjian (May 2010)
Liu, Yanmei (Beijing Normal University, June 2009)
McDaid, Guinevere (August 2013)
Meaker, John (May 2005)
Miller, Jill (December 2004)
Moser, Stewart (December 2007)
O'Brian, Bradford (May 2004)
Phillips, Phillicia (May 2013)
Quincy, Nicholas (May 2013)
Richard, James (August 2013)
Robert, Ethan (August 2016)
Rogers, Charles Matt (December 2015)
Skrobanek, Kenny (December 2010)
Smith, Nevada (December 2007)
Walker, Barry J. (May 2013)
Wallace, Jason (December 2013)
Whitworth, Eleanore D (December 2006)
Williams, Nikki (December 2005)
Zhang, Hua (Beijing Normal University, June 2009)
Zhou, Yu (Beijing Normal University, June 2009)

As Advisor for Honors Thesis

Chauvette, Kenedy (Graduate in May 2026; MPH, University of South Florida)
The Social Factors in Prevention: A Mixed-Method Analysis of Kindergarten Vaccination in Texas

SERVICES

University & College Level Service

Member, Graduate College Thesis and Dissertation Research Fellowship Committee (2026)

Member, Faculty Senate Budget Committee, Texas State University (2025 – 28)
Member, Texas State University Search Committee, Research Coordinators – Pre-Award, VP for Research Office (2025)
Member, Texas State University Grant Management Software RFP Bids Evaluation and Selection Team (2025)
Chair, Selection Committee, the University Humanities Research Excellence Award, Texas State University (2024, 2025, 2026)
Member, Texas State University Search Committee, Research Scientist for the Office of Research Development, Research Division, Texas State University (2024)
Chair, Search Committee for Director of School of Criminal Justice and Criminology (2022)
Member, University Committee for Review and Selection of Nominees for Andrew Carnegie Fellows Program (2023, 2024, & 2025)
Member, Academic Governance Committee, a Faculty Senate Committee (2022-24)
Panelist, New Chair /Director Training, Faculty Development (2022)
External Member, College of Science and Engineering Tenure & Promotion College Review Group (2021)
Panelist, Department Chair Training Pilot Program, Faculty Development (2020)
Member, Search Committee for University Faculty Ombudsman (2020)
Member, Search Committee for Director of the Meadows Center for Water and the Environment (2019 - 20)
Co-Chair, College of Liberal Arts Tenure & Promotion Policies Review Committee (2020-21)
Member, College of Liberal Arts Tenure & Promotion Review Group (since 2018; alternate member in 2017)
Member, College of Liberal Arts Curriculum Committee (2017 - 2018)
Member, Texas State University Graduate Council & Doctoral Council (2015 - 2017)
Member, Academic Program Review Team for School of Criminal Justice, Texas State University (2014)
External Reviewer for Tenure and Promotion, College of Liberal Arts (2013)
Faculty Member, Texas State University Women and Gender Research Collaborative (2011-2016)
Member, College of Liberal Arts Study Abroad Council (2018 -)
Member, College of Liberal Arts Research Enhancement Program Review Committee (2009-10)
Member, Texas State University Service-Learning Initiative Advisory Board (2009-2016)
Member, Asian Studies Board of Advisors, Center for International Studies (2006 - 2016)

Departmental Service

Alumni Reunion and Student Celebration Committee (Chair, 2017-18)
Associate Chair of the Department (2017 – 2018)
Chair of the Department (2018 – 2023)

Chair of the Graduate Committee (2015 – 2017)
Colloquium Committee (2004-06, 2010-11)
Communication and Recruitment Committee (2014-16)
Departmental Brown-Bag Talk Coordinator (2009-10)
Diversity Committee (2009-10)
Equipment Committee (2003-04, 2007-08)
Evaluation Committee (2005-06, 2009-11)
Faculty advisor for graduate students with a concentration in GIS / Cartography /Remote Sensing (2001- 04)
Faculty Search Committees (2001-08, 2011-12 (Chair), 2012-13, 2013-14(Chair), 2014-15, 2025-26)
Faculty Coordinator for the Revision of Undergraduate and Master-level GIS Courses (2009)
Faculty Liaison in GIS to the Undergraduate Committee (2012 – 2015)
Faculty Mentor (2010 –) (four tenure-track mentees since 2010)
Faculty Search Committees (2001-08, 2011(Chair), 2012, 2013 (Chair), 2015)
Geography Brown Bag Talk Series Coordinator (2009 – 10)
GIScience Faculty Group Coordinator (2012 –)
Graduate Committee (2001-04, 2011)
Instructor Review Group (2023 –)
MS/MAG Issues Ad Hoc Committee (2006-07)
Project advisor for "Developing Distance Learning Courses in Geographic Information Science at Southwest Texas State University" (2001-02)
Recruiting and Communication Committee (2014-17)
Scholarship and Award Committee (2004-05, 2006-07, 2017-18)
Travel Committee (2002-03)

Service to Community

Volunteer, Central Texas Food Bank, Austin, Texas (2017 –)
Volunteer, EANES Independent School District, Austin, Texas (2010 –)
Volunteer, Austin Great Wall Chinese School, Austin, Texas (2004 – 2018)
Served on the Technical Advisory Committee for Children's Optimal Health (an Austin-based non-profit organization) (2009 – 2012)
Volunteer Consulting for Children's Optimal Health (2018 – 2020)
Worked with the Cibolo Nature Center at the City of Boerne as a faculty advisor for their GIS-related activities (2004)

Service to Professional Organizations & Institutions

President-Elect, President, Past-President, University Consortium for Geographic Information Science (UCGIS), 2026-29

Member (elected) & Chair, Honors Committee, American Association of Geographers (2023 – 2026; Committee Chair during 2025-26)

Member, International Board, Graduate School of Creative Approaches to Public Spaces, Université Rennes 2, France (2020 –)

Member, Board of Directors, Race, Ethnicity and People Conferences (2018 - 2025)

Member (elected), Board of Directors, University Consortium for Geographic Information Science (UCGIS) (2022 – 2025)

Chair, Research Committee, University Consortium of Geographic Information Science (UCGIS) (2020 – 2022)

Chair, Research Award Committee, University Consortium for Geographic Information Science (UCGIS) (2019)

Member, Research Committee, University Consortium for Geographic Information Science (UCGIS) (2012 -2020)

Delegate of Texas State University to the University Consortium for Geographic Information Science (UCGIS) (2003 -)

Panelist, Strategic Planning Your Department Can Use – A Webinar of the American Association of Geographers. November 14, 2023.

Mentor, Critical Cartography and Pedagogy Workshop for Early Career Scholars, 12th Race, Ethnicity, and Place Conference. October 11, 2023. Washington DC. Funded by NSF Build and Broaden Program.

President Elect (2007-08), President (2008-09), Past President (2009-10), The International Association of Chinese Professionals in Geographic Information Sciences (CPGIS)

Chair (2010-11) and Member on the Board of Directors (2007-11), The International Association of Chinese Professionals in Geographic Information Sciences (CPGIS)

Delegate of Texas State University to Texas Geographic Information Council (TGIC) (2003-07)

External Reviewer, Creating a B.S. program in Geographic Information Systems & Technology, Department of Geography, University of Tennessee at Knoxville (2020)

External Reviewer for Faculty Promotion to Full Professor, University of Idaho (2026)

External Reviewer for Faculty Promotion to Full Professor, University of Central Florida (2026)

External Reviewer for Faculty Tenure & Promotion, University of Toronto (2025)

External Reviewer for Faculty Promotion to Full Professor, Case Western Reserve University (2025)

External Reviewer for Faculty Promotion to Full Professor, The University of Memphis (2023)

External Reviewer for Faculty Tenure & Promotion, University of North Texas (2021)
External Reviewer for Faculty Promotion to Full Professor, University of South Florida (2020)
External Reviewer for Faculty Promotion to Full Professor, University of Louisville (2017)
External Reviewer for Faculty Promotion to Full Professor, Oregon State University (2017)
External Reviewer for Faculty Hiring & Promotion, National Cheng Kung University (2017)
External Reviewer for Faculty Promotion to Full Professor, San Francisco State University (2015)
External Reviewer for Faculty Promotion to Full Professor, Georgia Southern University (2015)

Conferences & Workshops

Conference Program Committee, *CaGIS Conference 2026*. September 8-11, 2026. St. Louis, Missouri.
Conference Program Committee, *the 33rd International Conference on Geoinformatics – Geo-innovations for a Sustainable and Resilient Society*. July 19-22, 2-26. University Town (UTown), Singapore.
Conference Organizing Committee, *International Conference on Advances in Public Health & Nursing*. May 19-22, 2025. Osaka – Kyoto, Japan.
Conference Program Committee, *The 31st International Conference on Geoinformatics - GISciences for Sustainability*. August 13-16, 2024. Toronto, Canada.
Conference Program Committee, *CaGIS + UCGIS Symposium 2024*. June 3-6, 2024. Columbus, OH.
Conference Program Committee, *the 30th International Conference on Geoinformatics – Space-Time AI and Urban Analytics*. July 19-21, 2023. London, UK.
Conference Planning Committee, *the 11th REP/MAD-AAG Conference: Justice and the City in an Age of Social Division*. October 20-23, 2021. Baltimore, MD.
Conference Program Committee, *The 28th International Conference on Geo-Informatics*. November 2-5, 2021. Nanchang City, Jiangxi Province, China.
Conference Planning Committee, the 10th REP Conference: *Race, Ethnicity, and Place 2020 Online Conference*. October 21-23, 2020.
Conference Program Committee, *The 27th International Conference on Geo-Informatics: Remote Sensing and Big Social Data*. July 1-3, 2019. Sydney, Australia.
Conference Scientific Program Committee, *The 2019 Environmental Crime and Crime Analysis (ECCA) and the 6th Crime Geography and Crime Analysis (CGCA) Joint Conference*. June 14-17, 2019. Guangzhou, China.
Organizing Committee, *Geography, GIScience, and Health: Building an International Geospatial Health Research Network (IGHRN)*, American Association of Geographers Annual Conference. April 2-7, 2019. Washington DC.

Conference Planning Committee, *Race, Ethnicity, & Place IX – Engaged Scholarship: Fostering Civil & Human Rights*. October 23-25, 2018. Austin, TX.

Conference Organization Committee, *GIS & Health Conference*. May 17-18, 2018. Austin, TX.

Conference Scientific Program Committee, *The 5th International Conference on Crime Geography and Crime Analysis*. July 6-8, 2018. Guangzhou, China.

International Steering Committee and Conference Program Committee, *The 26th International Conference on GeoInformatics*. June 28-30, 2018. Kunming, China.

Conference Scientific Program Committee, *the 13th APRU Research Symposium on Multi-Hazards around the Pacific Rim*. Aug 28-29, 2017. Beijing, China.

Chair, Conference Program Committee, Conference Organizing Committee, *the 25th International Conference on GeoInformatics*, Aug 2-4, 2017. Buffalo, NY.

Conference Scientific Committee, *the 4th International Symposium on Crime Geography and Crime Analysis*, July 6-8, 2017. Guangzhou, China.

Conference Program and Steering Committee, *the 24th International Conference on GeoInformatics*, August 14-20, 2016. Galway, Ireland.

Panel Chair, *the 7th Annual International Research Conference for Graduate Students*, November 17-18, 2015. San Marcos, Texas.

Conference Scientific Guidance Committee, *International Symposium of Crime Geography*, July 3-5. 2015. Guangzhou, China.

Conference Program Committee, *the 23rd International Conference on Geo-Informatics*, June 19-21, 2015. Wuhan, China.

Conference Organizing Committee, *the 5th International Symposium on Integrated Spatial Studies of Humanity and Social Sciences*. June 28-30, 2015. Beijing.

Conference Program Committee, *the 22nd International Conference on GeoInformatics*, June 25-27, 2014. Kaohsiung, Taiwan.

Conference Technical Program Committee, *GRMSE 2013: International Conference on Geo-Informatics in Resource Management & Sustainable Ecosystem*. November 08-10, 2013. Wuhan, China.

Conference Program Committee, *the 21st International Conference on Geo-Informatics*, June 20-22, 2013. Kaifeng, China.

Conference International Steering Committee, *GeoInformatics 2012: The 20th International Conference.* June 15-17, 2012. Hong Kong.

Conference Program Committee, *GeoInformatics 2011: The 19th International Conference.* June 24-26, 2011. Shanghai, China.

Conference Organizing Committee and International Steering Committee, *GeoInformatics 2010: The 18th International Conference. June 18-20, 2010.* Beijing, China.

Co-Chair, Conference Program Committee, *GeoInformatics 2009: The 17th International Conference.* August 12-14, 2009. Fairfax, VA.

Chair, Organizing Committee, *CPGIS 2009 Summer Research Workshop*. June 18-19, 2009. Beijing, China.

Membership in Professional Organizations

American Association of Geographers
National Council for Geographic Education
The International Association of Chinese Professionals in Geographic Information Sciences