

Jun Luo

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Employment

- ❖ Professor, 08/2018-present, Department of Geography, Geology and Planning, Missouri State University.
- ❖ Associate Professor, 08/2011-08/2018, Department of Geography, Geology and Planning, Missouri State University.
- ❖ Assistant Professor, 08/2006-05/2011, Department of Geography, Geology and Planning, Missouri State University.

Education

- ❖ Ph.D., Geography, University of Wisconsin-Milwaukee, September 2001 – May 2006.
Dissertation Title: “Modeling Urban Growth and Spatial Structure in Nanjing, China with GIS and Remote Sensing”
Advisor: Dr. Yehua Dennis Wei
- ❖ M.S., Geography, Nanjing University, September 1998 - July 2001.
- ❖ B.S., Geography, Nanjing University, September 1992 - July 1996.

Research Interests

- ❖ GIS, Spatial Modeling.
- ❖ Urban/Economic Geography.
- ❖ China.

Publications

Refereed Articles

- ❖ **Luo, J.** 2017. Multi-spatiotemporal patterns of burglary crimes in Chicago: 2006-2016. *ISPRS Annals* (in press)
- ❖ **Luo, J.** 2017. Analyzing spatial accessibility to foods in GIS: A case of Springfield, MO. *IEEE-Geoinformatics 2017* (in press)
- ❖ **Luo, J.** 2016. [Analyzing potential spatial access to primary care services with an enhanced floating catchment area method](#). *Cartographica* 51(1): 12-24
- ❖ **Luo, J.** 2014. [Integrating Huff Model and floating catchment area method to analyze spatial access to healthcare services](#). *Transactions in GIS* 18(3): 436-448.
- ❖ Xin Miao, Xiaomin Qiu, Shuo-Sheng Wu, **Jun Luo**, Douglas Gouzie and Hongjie Xie. 2013. [Developing Efficient Procedures for Automated Sinhole Extraction from LiDAR DEMs](#). *Photogrammetry and Remote Sensing* 79(6): 545-554.
- ❖ Wei, Y.H.D., **J. Luo** and Q. Zhou. 2010. [Location decision and network configurations of foreign investment in urban China](#). *The Professional Geographer* 62(2): 264-283.
- ❖ **Luo, J.** and Y.H.D.Wei. 2009. [Modeling spatial variations of urban growth patterns in Chinese cities: The case of Nanjing](#). *Landscape and Urban Planning* 91(2): 51-64.
- ❖ **Luo, J.**, D. Yu and X. Miao. 2008. [Modeling urban growth using GIS and remote sensing](#). *GIScience & Remote Sensing* 45(4): 426-442.
- ❖ **Luo, J.** and N.K.Kanala. 2008. Modeling urban growth with geographically weighted multinomial logistic regression. *Geoinformatics 2008 and Joint Conference on GIS and Built Environment: The Built Environment and Its Dynamics, SPIE*.
- ❖ Gutiérrez, M., C. Rodríguez-Pineda, **J. Luo** and K. Mickus. 2008. [Geochemical processes contributing to the contamination of soil and surface waters in the Rio Conchos basin, Mexico](#). *Geosphere* 4(3): 600-611.
- ❖ **Luo, J.** and Y.H.D.Wei. 2006. Population distribution and spatial structure in transitional Chinese cities: A study of Nanjing. *Eurasian Geography and Economics* 47(5):585-603.
- ❖ Wei, Y.H.D., C.K. Leung, and **J. Luo**. 2006. [Globalizing Shanghai: foreign investment and urban restructuring](#). *Habitat International* 30(2): 231-244.
- ❖ **Luo, J.** 2005. Analyzing urban spatial structure with GIS population surface models. *UCGIS 2005 Summer Assembly electronic proceedings*.
- ❖ **Luo, J.** and Y.H.D.Wei. 2004. A Geostatistical modeling of urban land values in Milwaukee, Wisconsin. *Annals of GIS* 10(1): 49-57.

- ❖ **Luo, J.**, Y.K.Zhou and B.Z.Peng. 2001. A study of land use in Pingyang county of Zhejiang province, China. *Soil* 5: 247-252. (in Chinese)

Book Review

- ❖ Francis Harvey. 2008. *A Primer of GIS: Fundamental Geographic and Cartographic Concepts*. Guilford Press. Reviewed by **Jun Luo**, published in *The Professional Geographer* 61(4): 562-564.

Conference Presentations

- ❖ **Luo, J.** Time-Series and Predictive Analysis of COVID-19 In USA. Annual Meeting of Association of American Geographers (virtual). April 07-April 11, 2021.
- ❖ **Luo, J.** Explore multi-spatiotemporal patterns of burglary crimes in Chicago: 2000-2017. Annual Meeting of Association of American Geographers. Washington, DC. April 02-April 06, 2019.
- ❖ Luo, J. Mapping Solar Energy Potentials in an Urban Environment. Geoinformatics 2018. Kunming, China. June 28-30, 2018
- ❖ **Luo, J.** Spatialtemporal patterns for population mortality caused by chronic diseases: a case of Guangxi, China. Annual Meeting of Association of American Geographers. Boston, MA. April 04-April 08, 2017.
- ❖
- ❖ **Luo, J.** Multi-spatiotemporal patterns of residential burglary crimes in Chicago: 2006-2016. The second international symposium on spatiotemporal computing. Harvard University, MA. August 7-9, 2017
- ❖ **Luo, J.** Analyzing spatial accessibility to foods in GIS: A case of Springfield, MO. Geoinformatics 2017. Buffalo, NY. August 2-4, 2017
- ❖ **Luo, J.** Spatialtemporal patterns for population mortality caused by chronic diseases: a case of Guangxi, China. The 113rd Annual Meeting of Association of American Geographers. Boston, MA. April 5-April 9, 2017
- ❖ **Luo, J.** Multi-scale Spatial-Time cluster analysis of crime incidents. The 112nd Annual Meeting of Association of American Geographers. San Francisco, California. March 29-April 02, 2016.

- ❖ **Luo, J.** Analyzing spatial access to healthcare services with Huff Model and floating catchment area method. The 111st Annual Meeting of Association of American Geographers. Chicago, Illinois. April 21-25, 2015.
- ❖ **Luo, J.** Analyzing spatial access to health services in a GIS environment. *GIScience Research Track at ESRI User Conference 2014*. San Diego, CA, July 20-24, 2014
- ❖ **Luo, J.** Assessing Sinkhole risk in Springfield, MO with GIS. *The 109th Annual Meeting of Association of American Geographers*. Los Angeles, CA. April 9-13, 2013.
- ❖ **Luo, J.** Spatial-Temporal Analysis of Urban Land Use in GIS Environment. *The 107th Annual Meeting of Association of American Geographers*. Seattle, WA, April 12-16, 2011
- ❖ **Luo, J.** GIS and Public Health. *Joint Annual Public Health Conference-A Healthier Missouri, One Community at a Time*. Stoney Creek Inn, Columbia, MO, September 23-24, 2010.
- ❖ **Luo, J.** Exploring Pattern and Driving Factors of Urban Growth in Missouri with GIS and Remote Sensing. *The 106th Annual Meeting of Association of American Geographers*. Washington, DC, April 14-18, 2010
- ❖ **Luo, J., D. Yu and X. Miao.** Modeling urban growth of Springfield, MO with GIS and Remote Sensing. *The 105th Annual Meeting of Association of American Geographers*. Las Vegas, NE, March 22-27, 2009
- ❖ **Luo, J.** Modeling urban growth with geographically weighted multinomial logistic regression. . *The 104th Annual Meeting of Association of American Geographers*. Boston, MA, April 14-19, 2008
- ❖ **Luo, J.** Multiobjective land-use allocation using direct search. *The 103rd Annual Meeting Association of American Geographers*. San Francisco, CA, April 17-21, 2007.
- ❖ **Luo, J.** Modeling spatial variations of urban growth pattern. *The 102nd Annual Meeting of Association of American Geographers*. Chicago, IL, March 7-11, 2006.
- ❖ **Luo, J.** and Y.H.D.Wei. Population distribution, surface models, and spatial restructuring in transitional cities: a study of Nanjing, China. *Chinese Cities in Transition: The Next Generation of Urban Research, Part 4*. Shanghai Academy of Social Sciences, Shanghai, China, July 7-9, 2005.
- ❖ **Luo, J.** Analyzing urban spatial structure with GIS population surface models. *UCGIS Summer Assembly*. Jackson Hole, WY, June 28-July 1, 2005.
- ❖ **Luo, J.** and Y.H.D.Wei. Study on urban population surface and density function: a case of Nanjing, China. *The 101st Annual Meeting of Association of American Geographers*. Denver, CO, April 5-9, 2005.
- ❖ **Luo, J.** and Y.H.D.Wei. A Geostatistical modeling of urban land values in Milwaukee, Wisconsin. *56th Annual Meeting of the West Lakes Division of the Association of*

American Geographers and 58th Annual Meeting of the Wisconsin Geographical Society, Oshkosh, WI, October 7-9, 2004.

- ❖ **Luo, J.** Sociospatial disparity in urban China: a case study of Nanjing. *The 100th Annual Meeting of Association of American Geographers*. Philadelphia, PA, March 12-18, 2004.
- ❖ **Luo, J.** and Y.H.D.Wei. Urban growth and spatial restructuring in Nanjing, China. *The 2003 Meeting of the East Lakes & West Lakes Divisions of the Association of American Geographers*. Kalamazoo, MI, October 16-18th, 2003.

Awards, Grants and Fellowships

- ❖ Luo, J. PI. Web GIS applications for Shamrock Marketing Field Agents. Shamrock Marketing Services, Inc., 2020. \$11,368
- ❖ Luo, J. PI. Web GIS applications for Shamrock Marketing Field Agents. Shamrock Marketing Services, Inc., 2015. \$12,644
- ❖ Introduced Foreign Expert 2014. Bureau of Foreign Expert Affairs, Hebei, China via Geography Institute of Science Academy, Hebei, China
- ❖ Luo, J. Exploring Pattern and Driving Factors of Urban Growth in Missouri With GIS and Remote Sensing. Summer Faculty Fellowship, Missouri State University, 2010, \$6000.
- ❖ Luo, J. PI. Geospatial Science Development for Greene County Planning and Zoning. 2007-2009. \$86561.
- ❖ Luo, J. PI. Multiobjective Spatial Optimization of Sustainable Land Use Development. Faculty Research Grant of Missouri State University, Fall 2006. \$6700
- ❖ Finalist of the Honors Competition for Student Papers on Geographic Information Systems at AAG 2006 conference, Chicago, with \$500 travel award from AAG GIS Specialty Group.
- ❖ Travel Support from Urban China Research Network at SUNY-Albany to attend Chinese Cities in Transition: The Next Generation of Urban Research, Part 4 meeting in Shanghai Academy of Social Sciences, 2005.
- ❖ Student Paper Award, 2005, UCGIS Summer Assembly.
- ❖ Student Scholarship Award for the GITA (Geospatial Information & Technology Association) Annual Conference in Denver, 2005. GITA-Wisconsin Chapter.
- ❖ Small Grant Award, 2004, Urban China Research Network at SUNY-Albany, \$3000.
- ❖ Mary J. Read Fellowship, 2001-2005, Dept. of Geography, UW-Milwaukee.

- ❖ First Prize, Student GIS Project Competition 2004, UW-Milwaukee.
- ❖ Third Prize, Student GIS Project Competition 2003, UW-Milwaukee.
- ❖ Mary J. Read Travel Fund, Summer 2003, Dept. of Geography, UW-Milwaukee.
- ❖ Third Prize of Renmin scholarship, 1995, Nanjing University, China.
- ❖ Third Prize of Renmin scholarship, 1993, Nanjing University, China.

Research Projects Involved

- ❖ 2008-2011. Remaking Development Models in China: Globalization, the State, and Regional Development. Ford Foundation. PI: Y.H.D. Wei.
- ❖ 2001-2005. Business Organization and Network Relations of Foreign Manufacturing Ventures in the Yangtze Delta Region, China. NSF. PI: Y.H.D. Wei
- ❖ 1999-2001. Assessing Agriculture Land Value in Tianhe District, Guangzhou, China with GIS and Remote Sensing. Sponsored by Tianhe Land and Property Management Bureau.

Teaching Experiences

Courses taught at MSU

- ❖ *GEO 561/661-Intermediate GIS*
- ❖ *GEO 566/666-Advanced GIS*
- ❖ *GEO 573/673-Programming GIS*
- ❖ *GEO 562/662-Internet GIS*
- ❖ *GRY 100-World Regional Geography*
- ❖ *GRY 498-Placement Seminar*

Courses taught at UWM

- ❖ *Geography of Asia*
- ❖ *World Regional Geography*

Advising

Master Thesis Committee Chair

- ❖ Rebecca Stallings. Completed in May 2017
- ❖ Tania Banerjee. Completed in July 2017

- ❖ Alex Turner. Completed in May 2014
- ❖ Elijah Robison. Completed in July 2009
- ❖ Nagaraj Kapi Kanala. Completed in July 2009
- ❖ Daniel Kushin. Completed in May 2007

Master Thesis Committee Member

- ❖ Holly Duff. Completed in May 2017
- ❖ Matthew Thies. Completed in May 2017
- ❖ Lindsay Olson. Completed in May 2017
- ❖ Nickolas Bradley. Completed in May 2017
- ❖ Ralph Hill. Completed in July 2016
- ❖ David Huggins. Completed in May 2016
- ❖ Lynnette Li. Completed in November 2016
- ❖ Brian Fuller. Completed in July 2015
- ❖ Karen Zelzer. Completed in May 2015
- ❖ Ezekiel Kuehn. Completed in July 2015
- ❖ Andrew Foreman. Completed in July 2014
- ❖ Jenny Kissel. Completed in May 2014
- ❖ Joseph Strugis. Completed in May 2012
- ❖ Benjamin Weide. Completed in July 2011
- ❖ Jackie Ebert. Completed in July 2010
- ❖ Corey Brunk. Completed in July 2010
- ❖ Barrett Stanke. Completed in May 2010
- ❖ Cody McCleary. Completed in May 2010
- ❖ Lucas Rengstorf. Completed in May 2009
- ❖ Kathryn Barnad. Completed in May 2009
- ❖ Bradley Mitchell. 2009-present
- ❖ Joshua Stem. 2009-present
- ❖ David Speer. 2009-present

- ❖ David Faucet. 2008-present
- ❖ Melisa Cox. Completed in November 2008
- ❖ Aidong Chen. Completed in May 2008
- ❖ Brandon Haddock. Completed in July 2007
- ❖ Matt Peters. Fall 2006-present
- ❖ Rebecca Peterson. Completed in May 2007

Service

Professional Service:

Journal Reviewer:

- ❖ *Land.*
- ❖ *Habitat International.*
- ❖ *Environmental Earth Science.*
- ❖ *Journal of Transportation Geography.*
- ❖ *Sustainability.*
- ❖ *International Journal of Strategic Property Management.*
- ❖ *Transactions in GIS.*
- ❖ *Journal of Urban Planning and Development.*
- ❖ *Pedosphere.*
- ❖ *International Journal of Geographic Information Science.*
- ❖ *Journal of Regional Science Policy & Practice.*
- ❖ *Environmental Management.*
- ❖ *Applied Geography.*
- ❖ *Geographical Analysis.*
- ❖ *Landscape and Urban Planning.*
- ❖ *GIScience & Remote Sensing.*
- ❖ *Landscape Ecology.*

- ❖ *Cities.*
- ❖ *GeoCarto International.*
- ❖ *The China Review.*
- ❖ *Urban Geography.*
- ❖ *International Development Planning Review.*

Other

- ❖ Panelist. The 2nd International Symposium of Spatiotemporal Computing at Harvard University
- ❖ Chair of paper session. Risks and disasters in China 1. AAG 2017
- ❖ Chair of paper session. *China's Emerging City Regions III: Globalization, Innovation, and Development.* AAG 2009.
- ❖ Chair of paper session. *Thirty Years of Chinese Economic Reforms and Urban Environmental Changes: Special Sessions in Memory of Dr. Chor-Pang Lo (I: Economic Restructuring and Regional Development).* AAG 2008.

Service to university

- ❖ 2016-2017. Member of search committees for assistant professor in geotourism and assistant professor in planning.
- ❖ 2015-present. Member of CNAS College Council
- ❖ 2015. GGP Merit Review Committee
- ❖ 2014. Member of Advisory Board of Public Affairs Conferences at MSU 2014
- ❖ 2014. Coordinator for GGP Exhibit Booth at MO GIS Conference
- ❖ 2012-2014. Member of Graduate Council at MSU
- ❖ 2014-2016. Member of GGP Leadership Committee
- ❖ 2013-2016. Member of GGP Seminar Committee
- ❖ 2011-present. Geography/Geospatial Sciences/Planning Scholarship Selection Committee
- ❖ Spring 2017. . Remote Sensing Event Leader, Missouri Science Olympiad, Region VII.
- ❖ Spring 2016. . Remote Sensing Event Leader, Missouri Science Olympiad, Region VII.
- ❖ Spring 2015. Geological Mapping Event Leader, Missouri Science Olympiad, Region VII.

- ❖ Spring 2014. Geological Mapping Event Leader, Missouri Science Olympiad, Region VII.
- ❖ Spring 2013. Geological Mapping Event Leader, Missouri Science Olympiad, Region VII.
- ❖ Spring 2012. Remote Sensing Event Leader, Missouri Science Olympiad, Region VII.
- ❖ Spring 2011. Remote Sensing Event Leader, Missouri Science Olympiad, Region VII.
- ❖ Spring 2010. Remote Sensing *Event* Leader, Missouri Science Olympiad, Region VII.
- ❖ 2010. Mapping adult student's origins for Adult Student Service.
- ❖ Spring 2010. Remote Sensing *Event* Leader, Missouri Science Olympiad, Region VII.
- ❖ Spring 2008. Search Committee, Bill and Maret Cheek Scholarship.
- ❖ Spring 2009. Search Committee, Fagerlin-Johnson-Moeglin Field Studies Scholarship.
- ❖ Spring 2009. Remote Sensing Event Leader, Missouri Science Olympiad, Region VII.
- ❖ Spring 2008. Search Committee, Fagerlin-Johnson-Moeglin Field Studies Scholarship.
- ❖ Spring 2008. Remote Sensing Event Leader, Missouri Science Olympiad, Region VII.
- ❖ 2007. Mapping student origins for Vice President Donald Simpson
- ❖ 2007. Mapping contours of West Plains campus for Department of Design and Construction
- ❖ Spring 2007. Judge for Grand Awards, 47th Annual Ozarks Science and Engineering Fair.
- ❖ Spring 2007. Search Committee, Fagerlin-Johnson-Moeglin Field Studies Scholarship.
- ❖ Spring 2007. Remote Sensing Event Leader, Missouri Science Olympiad, Region VII.
- ❖ 2007. Judge for 47th Annual Ozarks Science and Engineering Fair
- ❖ Fall 2006. Member of Search Committee for tenure-track Assistant Professor in Cartography.
- ❖ 2004-2006. Student member of the technical committee of Department of Geography, UWM.
- ❖ 2002-2005. Open house service, Department of Geography, UWM.
- ❖ 1993-1995. Captain of department soccer team, Department of Geography, Nanjing University.

Professional Memberships

❖ 2003-Present. Association of American Geographers (AAG).