

Curriculum Vitae

Mr. Rongxu Qiu

Department of Geography, University of Lethbridge
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Mobile: +14033602365 E-mail: rongxu.qiu@uleth.ca
Citizenship: China; Canadian Visa
Languages: English and Chinese

Education:

September 2012-Present: University of Lethbridge, Lethbridge, AB, Canada.
Ph.D candidate in Earth, Space, and Physical Science (Interdisciplinary Urban Studies).
September 2007-June 2010: East China Normal University, Shanghai, China.
Master of Science Degree in Geographic Information Science.
September 2003-June 2007: North East Forestry University, Harbin, China.
Bachelor of Science Degree in Geographic Information Science.

Research Interests:

Urban Spatial Inequality, Urban Land Use, Regional and Urban Planning, GIS & Spatial Analysis, Agent-based Modelling, Cellular Automata

Theses:

Ph.D. Supervisors: Wei Xu, Karl Staenz, John Zhang. Title: Computer Simulation of Geospatial Dynamics: How does Urban Land use Grow and Evolve?
M.Sc. Supervisor: Shan Li, Yuanfei Wang. Title: Spatial Pattern of Tourism Destination Circles in China: An ABS Analysis

Publications:

Rongxu Qiu, Wei Xu, Shan Li. Agent-based simulation of the spatial diffusion of tourist flows. *Journal of China Tourism Research*. (Accepted)
Jihong Li, Rongxu Qiu. A gravity-spatial entropy model for the measurement of urban sprawl. *Science China Earth Sciences*. (Accepted)
Rongxu Qiu, Wei Xu, John Zhang, 2015. The transformation of urban industrial land use in Shanghai: a quantitative method. *Journal of Urban Management*. 4(1):40-52.
ZHOU Jianbin, QIU Rongxu, 2012. The spatial characteristic of the population in Shanghai Peri-urban areas: case study in Jiading District. *Shanghai Urban Planning*. (03)(in Chinese).
QIU Rongxu, LI Shan, and WU Jing, 2009. A review and prospect of agent-based modeling in tourism simulation [J]. *Geography and Geo-Information Science*, 25(5): 102-107 (in Chinese).
LI Shan, QIU Rongxu, CHEN Ling, 2008. Cyberspace attention of tourist attractions based on Baidu index: temporal distribution and precursor effect [J]. *Geography and Geo-Information Science*, 24(6): 102-107 (in Chinese).

Conferences & Presentations:

'Computer simulation of urban land use growth', The 3rd International Conference on China Urban Development — Urbanization and Urban Transformation in China. June 5th - 7th, 2015, Shanghai, China.

‘Computer simulation of urban land use growth: a spatial genetic algorithm’, 2015 Annual Meeting of the Association of American Geographers (AAG). April 21th-25th, 2015, Chicago, USA.

Session Organizer, ‘Urban Infrastructure Governance and Urban Growth’. 2015 Annual Meeting of the Association of American Geographers (AAG). April 21th-25th, 2015, Chicago, USA.

‘Computer simulation of urban land use growth: a spatial Genetic Algorithm method’, 2015 Spatial Knowledge and Information-Canada. February 27th-29th, Banff, AB, CA.

‘Selling the city: Simulating co-evolution of industrial spatial structure and urban land use growth: The case of Shanghai’, 2014 Annual Meeting of the Canadian Association of Geographers (CAG). May 24th-30th, St Catharines, ON, CA.

‘Simulating co-evolution of industrial spatial structure and urban land use growth: The case of Shanghai’, 2014 Annual Meeting of the Association of American Geographers (AAG). April 8th-12th, 2014, Tampa, USA.

Session Organizer, ‘Urban Infrastructure Governance and Urban Growth’. 2014 Annual Meeting of the Association of American Geographers (AAG). April 8th-12th, Tampa, USA.

Second ABBY-NET Summer School. May 20-26, 2013, Kloster Banz, Bavaria, Germany.

‘Agent-based simulation of the spatial diffusion of tourist flows.’ 2013 Annual Meeting of the Association of American Geographers (AAG). April 9th-13th Los Angeles, CA, USA.

‘Measurement of urban sprawl in Calgary using spatial entropy model.’ 7th Annual multidisciplinary research conference – *Meeting of the Minds*. March 16th, 2013. University of Lethbridge, Alberta, CA.

‘A gravity-spatial entropy model for measurement of urban sprawl.’ March 7th-9th, 55th Annual Meeting of the Western Division of the Canadian Association of Geographers. University of Lethbridge, Alberta, CA.

‘Efficient City: A GIS Prospective.’ GIS Day (2012) of Lethbridge. November 14th, 2012, Oldman River Regional Services Commission (ORRSC), Lethbridge, AB, Canada.

‘A Study on the Proliferation of Tourist Flows in Sichuan Province Using Agent-based Simulation Method.’ The Annual Meeting of Geographical Society of China (2009). October 17-20th, 2009, Beijing, China (in Chinese)

‘Agent-Based Simulation Model in Tourism Geography Research.’ Fourth National Geography Graduate Academic Annual Meeting. October 16th, 2009, Beijing, China (in Chinese)

Research Experience:

May 2015-July 2015: Computer Simulation of Geospatial Dynamics. Funded by Mitacs Globalink Research (\$5,000). Project main investigator: designed, organized and planned interviews, questionnaires, field surveys; carried out human study ethics reviews; conducted data analysis; finalized report.

November 2013-January 2014: University of Lethbridge Master of Arts Program Review 2013: Self-Study Report. Study assistant: conducted data analysis; produced tables and graphs for final report.

September 2012-present: Food security assessment system. Funded by TECTERRA and Alberta Innovation and Technology (\$885,000). Graduate student research assistant: participated in field data collection, project discussions and communications; compiled final report.

September 2012-present: Water economics, policy and governance network. Funded by SSHRC (\$2,311,283). Graduate student assistant: participated in project discussions and results visualization.

September 2012-present: Industrial upgrading and development of China’s urban network. Funded by Ministry of Education, China (RMB200, 000). Project graduate student; joined project discussion, data analysis, and results visualization.

May 2009-May 2010: Measurement and optimization of regional spill-over effects of tourism. Project co-investigator: conducted literature review; drafted and implemented project application as second

investigator; lead model building, data collection and analysis, and computer simulation; first-authored one publication based on literature review.

June 2008-October 2008: Development action plan of Huzhou Leisure & Travel Center. Project graduate student research assistant: conducted interviews among government officials; joined in project and final report discussions; organized project meeting and assisted in project communications.

November 2007-June 2008: Tourism plan for Leibo & Leshui Lake and Mahu Lake, Sichuan, China. Project GIS analyst: responsible for land use and ecological suitability analysis using geo-spatial analysis technologies; participated in results dissemination.

Previous Professional Employment:

January 2011-July 2012: Urban planner and GIS specialist at Shanghai Urban Planning & Verifying Centre of Shanghai Municipal Planning, Land and Resources Administration Bureau. Managed Shanghai Urban Planning Database construction and maintenance; lead Urban Planning Computer Assistant Software development; conducted software dissemination and promotion.

June 2010- July 2012: Urban planner and GIS specialist and Shanghai Jiading Urban Planning & Design Institute. Lead official website and internal administration system development; participated in several urban utility planning projects; conducted urban population study.

Teaching Experience:

Teaching Assistant: Geographical Data and Analysis. Department of Geography, University of Lethbridge, Spring 2015.

Teaching Assistant: Geographical Data and Analysis. Department of Geography, University of Lethbridge, Fall 2014.

Teaching Assistant: Geographical Data and Analysis. Department of Geography, University of Lethbridge, Spring 2014.

Teaching Assistant: Geographical Data and Analysis. Department of Geography, University of Lethbridge, Fall 2013.

Teaching Assistant: Managing Global Greenhouse Gases (Environmental Science). Department of Geography, University of Lethbridge, Spring 2013.

Teaching Assistant: Advanced Geographical Information Systems (Lab). Department of Geography, University of Lethbridge, Fall 2013.

Teaching Assistant: Tourism Geography East China Normal University, Department of Geography, Shanghai, China September, Fall 2012.

Awards and Competitive Scholarships:

Mitacs Globalink Research Award, 2015.

University of Lethbridge Profiling Travel Award, 2015.

CAG Travel Award for the CAG Annual Conference, 2014.

GSA Travel Award for the AAG Annual Conference, 2013.

Best Ph.D. Oral Presentation “Ineke Dijks Award” 55th Annual Meeting of the WDCAD, University of Lethbridge, March 7-9, 2013.

Outstanding Annual Statistical Paper of Shanghai Statistical Commission, 2011.

East China Normal University Postgraduate Fellowships (B), 2007, 2008 and 2009.

North East Forestry University (NEFU) National Scholarship, 2006.

College of Forestry Merit Fellowship at NEFU. 2004 and 2005.