

# JIANZHENG LIU

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## EDUCATION

- 2016      **PhD**, Department of Urban Planning and Design, The University of Hong Kong
- 2012      **MSc**, School of Urban Planning and Design, Peking University
- 2009      **BSc**, Department of Geography, East China Normal University

## EMPLOYMENT HISTORY/POSITIONS HELD

- Visiting Researcher, March 2017 – May. 2018, Department of Land Economy, University of Cambridge.
- Visiting Post-doctoral Fellow, Nov. 2016 – March 2017, School of Urban Planning and Design, Peking University.
- Post-doctoral Fellow, Oct. 2016 – June 2018, Faculty of Architecture, The University of Hong Kong.
- Assistant GIS Project Supervisor (part time), Mar. 2010 – Sept. 2010, Centre of Urban Studies at Peking University.

## PEER-REVIEWED ARTICLES (\* denotes corresponding author)

13. **Liu, J.**, J. Li, and W. Li. 2016. [Temporal patterns in fine particulate matter time series in Beijing: A calendar view](#). *Scientific Report*. doi: 10.1038/srep32221.
12. **Liu, J.**, W. Li, and J. Li. 2016. [Quality screening for air quality monitoring data in China](#). *Environmental Pollution*. doi: 10.1016/j.envpol.2016.06.037.
11. **Liu, J.**, J. Li, W. Li, and J. Wu. 2015. [Rethinking big data: A review on the data quality and usage issues](#). *ISPRS Journal of Photogrammetry and Remote Sensing*. doi: 10.1016/j.isprsjprs.2015.11.006.
10. **Liu, J.**, J. Li, W. Li, and J. Shaw. 2015. [Featured graphic: Mapping ethnic migration in mainland China from early 1960s to 2010](#). *Environment and Planning A*. 47 (12):1-3. doi: 10.1177/0308518X15616632. (Graphic article)
9. **Liu, J.**, and W. Li. 2014. [A nighttime light imagery estimation of ethnic disparity in economic well-being in mainland China and Taiwan \(2001–2013\)](#). *Eurasian Geography and Economics* 55 (6):691-714. doi: 10.1080/15387216.2015.1041147.
8. J. Wu, J. Zhu, W. Li, D. Xu, **J. Liu**. 2017. [Estimation of the PM2.5 health effects in China during 2000–2011](#). *Environmental Science and Pollution Research*. doi: 10.1007/s11356-017-8673-6.
7. Y. Ye, A. Yeh, Y. Zhuang, A. van Nes, **J. Liu**. 2017. [“Form Syntax” as a contribution to geodesign: A morphological tool for urbanity-making in urban design](#). *URBAN DESIGN International*. doi: 10.1057/s41289-016-0035-3.
6. Li, J., X. Liu, **J. Liu (\*)**, and W. Li (2016). [City profile: Taipei](#). *Cities*, 55, 1-8. doi: 10.1016/j.cities.2016.03.007
5. Sarkar, C., C. Webster, M. Pryor, D. Tang, S. Melbourne, X. Zhang, and **J. Liu**. 2015. [Exploring associations between urban green, street design and walking: Results from the Greater London boroughs](#). *Landscape and Urban Planning* 143: 112-125.
4. Li, J., and **J. Liu (\*)**, W. Li. 2017. The dilemma of urban natural conservation under contexts of land scarcity – the case of Hong Kong. *Urban Planning International* (in Chinese, published online)
3. Wu, J., Q. Lin, W. Li, **J. Liu**, and J. Peng, 2013. The Dynamic Extraction of Classification Rules for Land Consolidation through Object-Oriented Features Space Optimization. *Remote Sensing Technology and Application*, 28(5): 799-806. (in Chinese)
2. Wu, J., N. Qiao, J. Peng, X. Huang, **J. Liu**, and Y. Pan, 2013. Spatial Variation of Landscape Eco-Risk in Open Mine Area. *Acta Ecologica Sinica*, 33(12), 3816-3824. (in Chinese)
1. Wu J., **J. Liu (\*)**, X. Huang, J. Peng, and H. Li, 2012. Automatic identification of irrigation and drainage system in land consolidation area based on object-oriented classification. *Transaction of the CSAE*, 28(08), 25-31. (in Chinese)

## **BOOK CHAPTERS**

Zhou, X., **J. Liu**, A. G. O. Yeh, Y. Yue, and W. Li (2014). [The Uncertain Geographic Context Problem in Identifying Activity Centers Using Mobile Phone Positioning Data and Point of Interest Data](#). In Y. Leung & F. Harvey (Eds.), *Advances in Spatial Data Handling and Analysis: Select Papers from the 16th IGU Spatial Data Handling Symposium*. New York, USA: Springer. doi: 10.1007/978-3-319-19950-4\_7 (Book chapter)

## **RESEARCH GRANTS**

- ¥50,000     [“Urban Climate and its Impact on Mental and Social Well-being of Residents: Empirical Evidence from China”](#), *Urban China Initiative 2015 Grant Project* (Feb. 2015 – Dec. 2015)  
Principal Investigator: **J. Liu**, Co-Investigator: J. Li
- ¥5,600     “Study on extraction technology of land use information based on high resolution satellite imagery”, *Presidential Research Fund of Peking University Shenzhen Graduate School*, 2011  
Principal Investigator: **J. Liu**, Co-Investigator: L. Huang, K.Y. Pan
- ¥3,000     “Development and Application of Farmland Information System on the Town of Pujiang in Shanghai Based on GIS”, *Science Shop Undergraduate Program of East China Normal University*, 2009  
Principal Investigator: **J. Liu**, Co-Investigator: Y. Shen, P.X. Hu, H.S. Zhang

## **PRESENTATIONS AND COLLOQUIUMS**

2017. Annual Meeting of the Association of American Geographers, Boston, MA, USA, April 5-9. Presentation title: *Temporal Patterns in Fine Particulate Matter Time Series in Beijing: A Calendar Views*.
2016. RGS-IBG Annual International Conference 2016, London, UK, 30 August - 2 September 2016. Presentation title: *Temporal Patterns in Fine Particulate Matter Time Series in Beijing: A Calendar Views*.
2016. International Conference on Geographies of Health and Living in Cities: Making Cities Healthy for All, organized by Department of Geography at The University of Hong Kong, Hong Kong, China, June 21-24, 2016. Presentation title: *Temporal Patterns in Fine Particulate Matter Time Series in Beijing: A Calendar Views*.
2015. Third International Conference on Social Policy and Governance Innovation: Smart and Inclusive Growth in Urbanization, organized by Department of Asian and Policy Studies in The Hong Kong Institute of Education and School of Public Administration in South China University of Technology, Guangzhou, China, Nov 28-29, 2015. Presentation title: *Rethinking big data: A review on the data quality and usage issues*.
2015. The 9th International Association for China Planning (IACP) Conference, Chongqing, 19 to 21 June 2015. Presentation title: *A Nighttime Light Imagery Estimation of Ethnic Disparity in Economic Well-being in Mainland China and Taiwan (2001-2013)*.
2014. Annual Meeting of the Association of American Geographers, Tampa, Florida, USA, April 8-12. Presentation title: *Delineating and Characterizing Life Space in a City Using POIs and Mobile Phone Data*.
2013. International Conference on China's Urban Transformation and Restructuring, Guangzhou, China, December 13-15. Presentation title: *Measuring ethnic disparity in economic well-being in China using DMSP/OLS night-time imagery*.

## **HONORS AND AWARDS**

[Best Presentation Award](#), awarded for the Best Presentation in 15<sup>th</sup> Academic Conference for Postgraduate Students in Construction Management & Real Estate, by The HKPolyU CIB Student Chapter in Department of Building & Real Estate of The Hong Kong Polytechnic University on 22 June 2016

[Karen R. Polenske Best Paper Award](#), awarded by International Association for China Planning in its annual conference in Chongqing, June 2015

Qian Xue-sen Paper Award of Excellence, awarded by Hangzhou International Urbanology Research Council, Nov. 2015.

University Postgraduate Fellowship, awarded by The University of Hong Kong, Dec. 12, 2012 (36/approx.750)

Top Class Scholarship for Outstanding Academic Performance, awarded by Peking University, June 2009 (4/35)

Top Class Scholarship for outstanding Academic performance, awarded by East China Normal University, Sep. 2006 (1/44)

## **REFEREES**

Available on request.