Junjun Yin, Ph.D.

Population Research Institute, Social Science Research Institute, The Pennsylvania State University, State College, PA, 16801, USA

A. PROFESSIONAL PREPARATION

Univ. of Illinois at Urbana-Champaign	Geographic Information Science	Postdoctoral	2016
Dublin Institute of Technology	Spatial Information Science	Ph.D.	2013
Univ. of Gävle	Geoinformatics	M.S.	2009
Univ. of Electronic Sci. & Tech. of China	Electronics & Engineering	B.S.	2006

B. APPOINTMENTS

Pennsylvania State University (2016–present)

Research Associate, the Computational and Spatial Analysis Core of the Population Research Institute, Social Science Research Institute

University of Illinois at Urbana-Champaign (2014–2016)

Postdoctoral Research Associate, Department of Geography and Geographic Information Science; CyberGIS Center for Advanced Digital and Spatial Studies; National Center for Supercomputing Applications

C. SELECTED RELEVANT PUBLICATIONS (from 10 peer-reviewed journal articles)

Yin, J., Soliman, A., Yin, D. and Wang, S. 2017. Delineate urban boundaries in Great Britain from the network of large scale Twitter user spatial interactions. *International Journal of Geographical Information Science*, pp. 1-21, DOI: 10.1080/13658816.2017.1282615

Yin, J., Gao, Y., Du, Z. and Wang, S. 2016. Exploring Multi-Scale Spatiotemporal Twitter User Mobility Patterns with a Visual-Analytics Approach. *ISPRS International Journal of Geo-Information*, 5(10):187.

Jiang, B., Yin, J. and Liu, Q. 2015. Zipf's Law for All the Natural Cities around the World. *International Journal of Geographical Information Science*, 29(3), pp. 498-522

Jiang, B., Yin, J. and Zhao, S., 2009. Characterizing the human mobility pattern in a large street network. *Physical Review E*, 80(2), p.021136.

D. Ongoing Research Projects

PI. "A cloud computing enabled GIS platform for the integration and synthesis of multi-layer geospatial data sources in urban studies: Understanding urban dynamics from geospatial Big Data". Microsoft Azure Data Science Research Award, $20,000. Project dates: 12/04/2016—12/03/2017.

Co-PI. "Ecological Migration in a Large-Scale Quasi-Experiment Design in China: Implications of Climate Change, Landscape Structure, Ecosystem Services and Government Intervention". IEEE Seed Grant Program, $25,000. Project dates: 04/15/2017—06/30-2018

PI. "Mining Twitter User Demographics as a First-Step in Big Data for Population Research". XSEDE (Extreme Science and Engineering Discovery Environment) Startup computational resource allocation award, $2,794.78 (50,000 SUs). Project dates: 03/27/2017—03/26-2018