**Junjun Yin, Ph.D.**

Population Research Institute, Social Science Research Institute, The Pennsylvania State University

**A. PROFESSIONAL PREPARATION**

Univ. of Electronic Sci. & Tech. of China Electronics & Engineering B.S. 2006

Univ. of Gävle Geoinformatics M.S. 2009

Dublin Institute of Technology Spatial Information Science Ph.D. 2013

Univ. of Illinois at Urbana-Champaign Geographic Information Science Postdoctoral 2016

**B. APPOINTMENTS**

Pennsylvania State University (2016–present)

Research Associate, 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**

Gao, Y., Wang, S. Padmanabhan, A., Yin, J. and Cao, G. 2018. Mapping Spatiotemporal Patterns of Events Using Social Media: A Case Study of Influenza Trends. *International Journal of Geographical Information Science*, 32(3), pp. 425-449.

Soliman, A., Soltani, Q., Yin, J., Padmanabhan, A., and Wang, S. 2017. Social sensing of urban land use based on analysis of Twitter users’ mobility patterns. *PLoS One*, 12(7) (DOI:10.1371/journal.pone.0181657).

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*, 31(7), pp. 1293-1313.

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 (DOI: 10.3390/ijgi5100187).

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 (DOI: 10.1103/PhysRevE.80.021136).

**D. Ongoing Research Projects**

Co-I. “Cognitive Changes Associated with Hormonal Treatment for Breast Cancer”. Health

& Environment initiative seed grant, lead I: Prof. Sheri A. Berenbaum, $49,972. Project dates: 07/01/2017—06/30-2019

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