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Professional Preparation

Univ. of Electronic Sci. & Tech. China	Chengdu, China	Elec & Eng.	B.S. 2006
Univ. of Gävle	Gävle, Sweden	Geoinformatics	M.S. 2009
Dublin Institute of Technology	Dublin, Ireland	Spatial Info. Sci.	Ph.D. 2013
Univ. of Illinois at Urbana-Champaign	Urbana, USA	GIScience	Postdoctoral, 2016

Appointments

2016 -- present	Research Associate	Social Science Research Institute, Pennsylvania State University
2016 -- present	ICS Associate	Institute for CyberScience (ICS), Pennsylvania State University
2016	Lecturer	Dept. of Geography and GIScience, Univ. of Illinois at Urbana-Champaign
2014 -- 2016	Postdoctoral Associate	CyberGIS Center for Advanced Digital and Spatial Studies, National Center for Supercomputing Applications (NCSA), Univ. of Illinois at Urbana-Champaign

Products

Five Products Most Closely Related to the Proposed Project:

- 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, DOI: 10.1080/13658816.2017.1406943
- 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, 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, DOI: 10.3390/ijgi5100187
- Jiang, B., Ma, D., **Yin, J.** and Sandberg, M. 2016. Spatial Distribution of Tweet Numbers and Densities in Cities. *Geographical Analysis*, DOI: 10.1111/gean.12096

Five Other Significant Products:

- 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, DOI: 10.1080/13658816.2014.988715

- Jiang, B. and **Yin, J.** 2014. Ht-Index to Quantify the Fractal or Scaling Structure of Geographic Features. *Annals of the Association of American Geographers*, 104(3), pp. 530-540, DOI: 10.1080/00045608.2013.834239
- Yin, J.** and Carswell, J.D. 2013. Spatial Search Techniques for Mobile 3D Queries in Sensor Web Environments. *ISPRS International Journal of Geo-Information*, 2(1), pp.135-154, DOI: 10.3390/ijgi2010135
- 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
- Jiang, B., Zhao, S. and **Yin, J.** 2008. Self-organized natural roads for predicting traffic flow: a sensitivity study. *Journal of statistical mechanics: Theory and experiment*, P07008, DOI: 10.1088/1742-5468/2008/07/P07008

Synergistic Activities

Program committees

- Session Chair for *Big Movement Data for Geospatial Analytics on Urban Interactions*, Symposium on Human Dynamics in Smart and Connected Communities, 2017 AAG Annual Meeting, Boston, Massachusetts, April 5 - April 9, 2017
- Session Chair for *Understanding Urban Dynamics Based on Movement Big Data*, 2016 AAG Annual Meeting, San Francisco, California, March 29 - April 2, 2016
- Program committee member for *International Conference on Location-based Social Media Data*, Athens, Georgia, USA, March 5-7, 2015

Reviewer for Journals

Reviewer for *International Journal of Geographical Information Science (IJGIS)* (2010, 2014, 2015, 2016, 2017); *Computers, Environment and Urban Systems (CEUS)* (2009, 2010, 2013, 2014, 2015, 2016); *Geographical Analysis* (2016, 2017); *Journal of Geographical Systems* (2016); *Demography* (2016, 2017); *Environment and Planning B: Planning and Design* (2016); *Science China* (2015); *PLOS One* (2013, 2015); *Cities* (2014); *Cluster Computing* (2016, 2017); *ISPRS International Journal of Geo-Information* (2013, 2014, 2015); *Journal of Location Based Services* (2013)