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Professional Preparation

Tianjin University, Tianjin, P. R. China	Computer Engineering	BS, 1995
Peking University, Beijing, P. R. China	Geography	MS, 1998
The University of Iowa, Iowa City, IA, USA	Computer Science	MCS, 2002
The University of Iowa, Iowa City, IA, USA	Geography	PhD, 2004

Appointments

2017 – present Department Head, Department of Geography and Geographic Information Science, UIUC
2013 – present Founding Director, CyberGIS Center, UIUC
2013 – present Full Professor (with tenure), Department of Geography and Geographic Information Science, UIUC
2007 – present Faculty Affiliate, NCSA
2014 – 2017 Lead, Earth and Environment Theme, NCSA
2010 – 2017 Associate Director for CyberGIS, NCSA
2007 – 2013 Senior Research Scientist, NCSA
2010 – 2013 Associate Professor (with tenure), Department of Geography and Geographic Information Science, UIUC
2007 – 2010 Assistant Professor (tenure-track), Department of Geography, UIUC
2005 – 2007 Research Scientist, Academic Technologies of Information Technology Services, the University of Iowa
2004 – 2007 Adjunct Assistant Professor, Department of Geography, the University of Iowa
2002 – 2005 Assistant Research Scientist, Academic Technologies of Information Technology Services, the University of Iowa

Closely Related Products

- [1] **Wang, S.** (2016) "CyberGIS and Spatial Data Science". *GeoJournal*, 81(6): 965-968
- [2] **Wang, S.**, Liu, Y., and Padmanabhan, A. (2015) "Open CyberGIS Software for Geospatial Research and Education in the Big Data Era". *SoftwareX*, 5: 1-5
- [3] **Wang, S.**, Anselin, L., Bhaduri, B., Crosby, C., Goodchild, M. F., Liu, Y., and Nyerges, T. L. (2013) "CyberGIS Software: A Synthetic Review and Integration Roadmap". *International Journal of Geographical Information Science (IJGIS)*, 27(11): 2122-2145

- [4] Wright, D. J. and **Wang, S.** (2011) "The Emergence of Spatial Cyberinfrastructure". *Proceedings of the National Academy of Sciences*, 108 (14): 5488–5491
- [5] **Wang, S.** (2010) "A CyberGIS Framework for the Synthesis of Cyberinfrastructure, GIS, and Spatial Analysis". *Annals of the Association of American Geographers*, 100 (3): 535-557

Other Significant Products

- [1] 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". *IJGIS*, 32(3): 425-449
- [2] Hu, H., Lin, T., **Wang, S.**, and Rodriguez, L. (2017) "A CyberGIS Approach to Uncertainty and Sensitivity Analysis in Biomass Supply Chain Optimization". *Applied Energy*, 203: 26-40
- [3] **Wang, S.**, Hu, H., Lin, T., Liu, Y., Padmanabhan, A., and Soltani, K. (2014) "CyberGIS for Data-Intensive Knowledge Discovery". *ACM SIGSPATIAL Newsletter*, 6(2): 26-33
- [4] **Wang, S.**, Liu, Y., Wilkins-Diehr, N., and Martin, S. (2009) "SimpleGrid Toolkit: Enabling Geosciences Gateways to Cyberinfrastructure". *Computers and Geosciences*, 35: 2283-2294
- [5] **Wang, S.** and Armstrong, M. P. (2009) "A Theoretical Approach to the Use of Cyberinfrastructure in Geographical Analysis". *IJGIS*, 23 (2): 169-193

Synergistic Activities

- Award/Honor: Improving Our Workplace Award (IOWA), the University of Iowa, 2006; National Science Foundation CAREER Award, 2009-2015; Helen Corley Petit Scholar, College of Liberal Arts and Sciences, UIUC, 2011-2012; Centennial Scholar, College of Liberal Arts and Sciences, UIUC, 2013-2016; Richard and Margaret Romano Professorial Scholar, College of Liberal Arts and Sciences, UIUC, 2018-2021
- Leadership: Invited talk for Federal Agency and Department Briefing on GIScience and Cyberinfrastructure: Making Connections, February 7, 2008; President of the University Consortium for Geographic Information Science (UCGIS), 2016-2017
- Pedagogical: Taught a number of courses and tutorials in the areas of geographic information science and systems (GIS), distributed systems, high performance parallel and distributed computing, and environmental and geospatial problem solving
- Software: Author of several software tools and systems in the areas of GIS, middleware, and data-intensive applications and sciences, including for example, the GISolve Middleware and CyberGIS Software Environment (<http://cybergis.org>) with tens of thousands of users
- Service: Action Editor of *GeoInformatica* (Springer); Associate Editor of *SoftwareX* (Elsevier); Member of the Board on Earth Sciences and Resources of the U.S. National Academies of Sciences, Engineering, and Medicine, 2015-2017; Member of the NSF Extreme Science and Engineering Discovery Environment (XSEDE) Advisory Board, 2016-present