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Professional Preparation

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

Appointments

2014 – present	Lead, Earth and Environment Theme, NCSA
2013 – present	Founding Director, CyberGIS Center, UIUC
2013 – present	Full Professor (with tenure), Department of Geography and Geographic Information Science, UIUC
2010 – present	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. Commentary: “CyberGIS and Spatial Data Science”. *GeoJournal*. DOI: 10.1007/s10708-016-9740-0
- [2] **Wang, S.**, Liu, Y., and Padmanabhan, A. 2015. “Open CyberGIS Software for Geospatial Research and Education in the Big Data Era”. *SoftwareX*, DOI:10.1016/j.softx.2015.10.003
- [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] Cao, G., **Wang, S.**, Hwang, M., Padmanabhan, A., Zhang, Z., and Soltani, K. 2015. "A Scalable Framework for Spatiotemporal Analysis of Location-based Social Media Data". *Computers, Environment and Urban Systems*, 51: 70-82
- [2] Lin, T., **Wang, S.**, Rodríguez, L. F., Hu, H., and Liu, Y.Y. 2015. "CyberGIS-Enabled Decision Support Platform for Biomass Supply Chain Optimization". *Environmental Modelling & Software*, 70: 138-148
- [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
- 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 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) and Associate Editor of *SoftwareX* (Elsevier), Member of the Board on Earth Sciences and Resources of the U.S. National Academies