

## DR. XINGONG LI

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### EDUCATION

University of South Carolina (Columbia)	Geography	Ph.D., 2000
Nanjing University (China)	Geography	M.S., 1992
Nanjing University (China)	Geology	B.S., 1989

### PROFESSIONAL EXPERIENCE

2003 – present	Assistant professor, Department of Geography, University of Kansas
2000 – 2002	Assistant professor, Department of Geography & Planning, Appalachian State University
1992 – 1996	Research associate, State Key Laboratory of Resources and Environment Information Systems, Chinese Academy of Sciences

### PEER REVIEWED PUBLICATIONS

- Li, X., C. Larson, and A. Rex (2005) Creating buffers on surfaces. *Cartography and Geographical Information Science*, 32(3): 195-210
- Li, X., M. Harman, and S. Wang (2005) Improving lake/reservoir water quality modeling using an environmental model and GIS. *GIScience & Remote Sensing*, 42(4): 320-332
- Li, X. (2005). Deriving directional variance from covariance matrix. *Transactions in GIS*. 9(3):443-445
- Li, X. and M. Hodgson (2004) Vector field data model and operations. *GIScience and Remote Sensing*, 41(1): 1-24
- Hodgson, M. X. Li, and Y. Chen (2004) A parameterization model for transportation feature extraction. *Photogrammetric Engineering & Remote Sensing*. 70(12): 1399-1404
- Lin, H., Q. Wan, X. Li, J. Chen, and Y. Kong (1997) GIS-based multi-criteria evaluation support system for investment. *Environment Management and Planning B*, 24(2): 403-414.
- Li, X. and T. Chi (1995) The design and implementation of a feature-oriented GIS. *Remote Sensing Technology and Applications*. 10(4): 65-70.
- Li, X., F. Qiu, and S. Zhan (1995) Application of GPS and GIS in vehicle real-time monitoring. *Remote Sensing Technology and Applications*, 10(2): 33-37.
- Wu, B., M. Zhang, and X. Li (1994) Development of GIS. *Acta Geographical Sinica*. 49(8): 632-640.

### PROCEEDING ARTICLES AND MANUALS

- Harman, M., X. Li, and S. Wang (2004) GIS extension for BATHTUB—software and users manual. *Kansas Biological Survey Publication No. 122*.
- Li, X. (1998) Distributed storm runoff modeling using GIS. *Proceedings of GIS/LIS'98 Annual Conference*, Fort Worth, Texas, pp: 68-75

Li, X. (1997) Development of Neural Network Spatial Interpolator for Precipitation Estimation. *Proceedings of GIS/LIS'97 Annual Conference*, Cincinnati, Ohio. pp: 653-662.

## CONFERENCE PRESENTATIONS

- Li, X. (2005) Creating buffers on surfaces. *The Annual AAG Conference*, Denver, CO.
- Li, X. (2004) Wind farm siting using GIS in western North Carolina. *The Annual ASPRS Conference*, Denver, CO.
- Li, X. (2004) Viewshed Characterization for Wind Farm Siting in Western North Carolina. *The twenty-fourth annual ESRI international user conference*, Redlands, CA.
- Li, X. (2002) Integrating Analytic Hierarchy Process with GIS through the COM technology, *The Annual ASPRS Conference*, Washington D.C.
- Li, X. (2000) Data model and operations for vector fields, *The First International Conference on Geographic Information Science*, Savannah, GA.
- Hodgson, M. and X. Li (1999) Shortest path considering the direction of movement, *The Annual ASPRS Conference*, Portland, OR.
- Hodgson, M. and X. Li (1998) Sensitivity analysis on feature extraction algorithm, *The Annual ASPRS Conference*, Tampa, FL.
- Carbone, G., Lloyd, R., Bunch, R. and Li, X. (1998) Comparison of different interpolation techniques with monthly precipitation data, *The Annual AAG Conference*, Boston, MA.
- Li, X. (1995) Digital road map for vehicle navigation, *International Symposium Geoinformatics'95 Hong Kong: RS, GIS and GPS in sustainable development and environmental monitoring*.

## RESEAR GRANTS

- Li, X., Investigator, (2005) NSF Center for Polar Research and Remote Sensing, National Science Foundation, \$19,000,000 (5 years)
- Li, X., PI, (2005) Conservation Evaluation and Assessment Project (CEAP) for the Cheney Reservoir Watershed, US Department of Agriculture, \$18,000 (9 months)
- Li, X., PI, (2004) Developing a GIS Extension for Lake Water Quality Model BATHTUB, US Environmental Protection Agency (through Kansas Biological Survey) \$15,000 (6 months)
- Li, X., Co-PI, (2002) Feasibility Analysis of Wind Energy for the Mountain Regions of North Carolina, U.S. Department of Energy, \$19,810 (2 years)

## TEACHING EXPERIENCE

2003-present      Assistant Professor. Department of Geography, University of Kansas.  
*Principles of Geographic Information Systems (GIS)*: introductory GIS  
*Intermediate GIS*: upper division GIS  
*Geographic Information Science*: upper division/graduate GIS  
*Seminar in GIS*: graduate seminar in GIS

2000-2002 Assistant Professor, Department of Geography & Planning, Appalachian State University.

*Introduction to GIS*: introductory GIS

*Physical Geography*: introductory physical geography

*Advanced GIS*: upper division/graduate GIS

*Application Programming in GIS*: upper division/graduate GIS

*Remote Sensing Digital Image Processing*: upper division/graduate remote sensing

## **SERVICE**

2003-2004 *The Team Award Recipient* for The GIS Day Planning Team, University of Kansas

Committee service at the University of Kansas: *Undergraduate Studies Committee, Graduate Studies Committee, Instructional Technology Funds Committee.*

Department point of contact for internships.

KU delegate to the University Consortium for Geographic Information Science (UCGIS).

Reviews for: *International Journal of Geographic Information Science, Geomatica, National Science Foundation.*

## **PROFESSIONAL AFFILIATIONS**

Association of American Geographers (AAG)

American Society for Photogrammetric Engineering and Remote Sensing (ASPRS).