

Lixin Li, PhD

Education

PhD, Computer Science, University of Nebraska-Lincoln, 2003

MS, Computer Science, Southwest Jiaotong University, China, 1999

BS, Computer Engineering, Southwest Jiaotong University, 1997

Fellowships and Awards

Outstanding Ph.D. Award, for performance in the Ph.D. program for the 2002-2003 academic year, given by the Department of Computer Science and Engineering at the University of Nebraska-Lincoln, May 2003.

Work Experience

2003/08 to present: Assistant Professor, Dept. of Computer Sciences, Georgia Southern University

2001/05 to 2003/05: Research Assistant, Dept. of Computer Science and Engineering, University of Nebraska-Lincoln

2000/01 to 2001/05: Teaching Assistant, Dept. of Computer Science and Engineering, University of Nebraska-Lincoln

Teaching

Introduction to Java Programming

Programming Principles I

Programming Principles II

Theoretical Foundations

Database Systems

Advanced Database Systems

Geographic Information Systems

Advising

Served as academic advisor for 16 Bachelor-degree students.

Served as member in the graduate committee for a Master-degree student.

Supervised one Bachelor-degree student (with double major in Computer Sciences and Physics) for her honor program capstone project on "Utilizing MySQL/PHP/Java for Website Improvements".

Advised one Master-degree student (from School of Technology) for her research project on "3D Reconstructions from Sequences of 2D Medical CT Images".

Publications

Journals

Lixin Li, Peter Revesz, Interpolation Methods for Spatio-temporal Geographic Data, Journal of Computers, Environment and Urban Systems, 2004, Vol. 28, Issue 3, 201-227

Lixin Li, Youming Li, Reinhard Piltner, A New Shape Function Based Spatiotemporal Interpolation Method, Lecture Notes in Computer Science, 2004, Vol. 3074, 25-39

Lixin Li, Peter Revesz, A Comparison of Two Spatio-Temporal Interpolation Methods, Lecture Notes in Computer Science, 2002, Vol. 2478, 145-160

Huaxin Zeng, Lixin Li, Information Port and Its Basic Techniques, Computer Applications, October 1999, Vol. 19, No. 10, 1-6

Z. Jiang, Lixin Li, Huaxin Zeng, A QOS Control Oriented Pricing Policy, Computer Applications (Special Issue in Networks and MIS), November 1999

Huaxin Zeng, Lixin Li, Z. Jiang, Further Research on the Construction of Chengdu Information Port CDIP-NET, Computer Applications (Special Issue in Networks and MIS), November 1999, 1-6

Book chapters

Peter Revesz, Lixin Li, Constraint-Based Visualization of Spatiotemporal Databases, Advances in Geometric Modeling, Ed: Muhammad Sarfraz, John Wiley, 2003

Proceedings

Naijun Zhou, Lixin Li, Applying the MultiAgent Technology for Distributed Geospatial Information Services, 2005 IEEE-ICDM Workshop on MultiAgent Data Warehousing and MultiAgent Data Mining, 62-66, Houston, Texas, IEEE, November 2005

Reinhard Piltner, Lixin Li, Image based Modeling of Abdominal Aortic Aneurysms, The Second SECABC Fall Workshop on Biocomputing, 14-15, Atlanta, GA, Georgia State University, October 2005

Reinhard Piltner, Lixin Li, A Comparison of Mixed-enhanced Finite Elements, The Third MIT Conference on Computational Fluid and Solid Mechanics, 301, Cambridge, MA, Massachusetts Institute of Technology, June 2005

Wei Tu, Lixin Li, Reinhard Piltner, A Study of Smart Growth Initiatives using GIS: The case of Austin, Texas, The Sixth Annual National Conference on Digital Government Research, 267-268, Atlanta, GA, Digital Government Research Center, May 2005

Lixin Li, Reinhard Piltner, Voronoi Region-Based Spatiotemporal GIS Databases, The Fifth Annual National Conference on Digital Government Research, 355-356, Seattle, WA, Digital Government Research Center, May 2004

Lixin Li, Peter Revesz, The Relationship among GIS-Oriented Spatiotemporal Databases, The Fourth Annual National Conference on Digital Government Research, 375-378, Boston, MA, Digital Government Research Center, May 2003

Lixin Li, Peter Revesz, Visualization for Temporally Changing 3D Data, The Third Annual Midwest Meeting of the American Association for the Advancement of Science, 21, Omaha, NE, American Association for the Advancement of Science, November 2002

Peter Revesz, Lixin Li, Constraint-Based Visualization of Spatial Interpolation Data, The Sixth International Conference on Information Visualization, 563-569, London, England, IEEE, July 2002

Peter Revesz, Lixin Li, Representation and Querying of Interpolation Data in Constraint Databases, The Third Annual National Conference on Digital Government Research, 225-228, Los Angeles, CA, Digital Government Research Center, May 2002

Participation at Professional Meetings (Other than Presentation of Papers)

Program committee member and reviewer, The First International Symposium on Applications of Constraint Databases in conjunction with SIGMOD-PODS, 2004

Program committee member and reviewer, The Thirteenth International Symposium on Temporal Representation and Reasoning, 2006

Professional Society Activity

Member, IEEE (Institute of Electrical and Electronics Engineers)

Member, AAAS (American Association for the Advancement of Science)

Officership and Other Official Functions in Professional Associations

Reviewer, IEEE Transactions on Knowledge and Data Engineering

Attendance at Professional Meetings

IEEE-ICDM Workshop on MultiAgent Data Warehousing and MultiAgent Data Mining, Houston, Texas, 2005

The Second SECABC Fall Workshop on Biocomputing, Atlanta, GA, 2005

The Third MIT Conference on Computational Fluid and Solid Mechanics, Cambridge, MA, 2005

The Sixth Annual National Conference on Digital Government Research, Atlanta, GA, 2005

The First International Symposium on Applications of Constraint Databases in conjunction with SIGMOD-PODS, Paris, 2004

The Fifth Annual National Conference on Digital Government Research, Seattle, WA, 2004

IEEE meetings of Savannah Section, Savannah, GA, 2003

The Sixth Science in Savannah Symposium: Innovative Maritime Logistics for a Secure Homeland, Savannah, GA, 2003

The Seventh US National Congress on Computational Mechanics, Albuquerque, NM, 2003

The Fourth Annual National Conference on Digital Government Research, Boston, MA, 2003

The Sixteenth Annual Nebraska Biomedical Research Workshop, Omaha, NE, 2003

The Third Annual Midwest Meeting of the American Association for the Advancement of Science, Omaha, NE, 2002

The Third Annual National Conference on Digital Government Research, Los Angeles, CA, 2002

Grants

Faculty Research Grant, awarded \$6590 for the project "Computational Modeling for Biomedical Applications Using Methods from Biomathematics/Bioengineering/Bioinformatics", Georgia Southern University, 2004-2005.

Committees and Other Service Activities

University

Member, Senate Academic Standards Committee, 2003-present

CIT

Member, Chair Search Committee of Computer Sciences Department, 2004-2005

Member, Graduate Curriculum and Programs Committee, 2003-2005

Member, Student and Instructional Resource Committee, 2005-present

Volunteered as a representative for CIT on Georgia Southern University's annual scholars' day, February 26, 2005

Volunteered for the First CIT Golf Tournament, November 12, 2005

Department

Member, Curriculum Committee, 2003-2005

Member, Assessment Committee, 2005-present

Attended the commencement on December 10, 2004 and May 7, 2005