limin zhang

Department of Accounting, Finance and Information Systems

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**EDUCATION**

Ph.D., University of Arizona 2006

Major: Management Information Systems

Minor: Computer Science

Dissertation: “Semantic-Based Contextual Search: A Theoretical Framework and a Medical Application Prototype”

Advisor: Sudha Ram, Ph.D.

M.S., University of Illinois at Urbana-Champaign 1998

Major: Library and Information Science

B.S., Tongji University, Shanghai, China 1995

Major: Management Information Systems

**Academic and professional experience**

Associate Professor, North Dakota State University 2013 – present

Undergraduate courses taught: Principles of MIS (MIS 370), Database Design for Business Applications (MIS 375), Information Systems (MIS 470)

Graduate courses taught: Information Resources Management (MIS 770)

Assistant Professor, North Dakota State University 2006 – 2013

Graduate Research/Teaching Assistant, University of Arizona 1999 – 2005

Participated in Regional Earth Science Application Center (RESAC) project and Hydrology Information System (HyDIS) project, both NASA-funded.

Courses taught: Introduction to Computing (MIS 111), Database Management for Business Managers (MIS 361), System Analysis and Design (MIS 341)

System Librarian/Programmer, Harvard University 1998 – 1999

Developed library information systems

Graduate Assistant, University of Illinois at Urbana-Champaign 1996 – 1998

Designed and conducted computer training to university staff; developed student record system for university admission office.

Software Engineer, Jin-Xin Computer System Engineering, Shanghai, China 1995 – 1996

Developed software applications and database systems

**Teaching**

North Dakota State University

*Undergraduate Courses*:

Principles of MIS (MIS 370)

Principles of MIS Online Section (MIS 370 online)

Database Design for Business Applications (MIS 375)

Information System (MIS 470)

*Graduate Course*:

Information Resources Management (MIS 770)

University of Arizona

*Undergraduate Courses*:

Introduction to Computing (MIS 111)

System Analysis and Design (MIS 341)

Database Management for Business Managers (MIS 361)

**Scholarship**

Refereed Journal Publications

Loy, M., Traub, R., **Zhang, L.**, Kotala, P., Breidenbach, J., Roemmich, M., and Nelson, R., “Beyond the Use of Robotics: Operations and Supply Chain Control for Effective Inventory Management in A Health System Pharmacy,” Annals of Information Systems, forthcoming.

Abbas, A., **Zhang, L.**, and Khan, S. U., “A Survey on Context-aware Recommender Systems using Computational Intelligence Techniques Computing,” Computing, March 2015.

Abbas, A., Bilal, K., **Zhang, L.**, and Khan, S. U., " A cloud based health insurance plan recommendation system: A user centered approach," Future Generation Computer Systems, vol. 43-44, pp. 99-109, February 2015.

Chen, F., **Zhang, L.**, and Latimer, J., “How Much Have My Co-Workers Contributed? The Impact of Identifiability and Feedback on Social Loafing in Asynchronous Virtual Collaboration,” International Journal of Information Management, vol. 34, no. 5, pp. 652-659, 2014.

Abbas, A., **Zhang, L.**, and Khan, S. U., "A Literature Review on the State-of-the-Art in Patent Analysis," World Patent Information, vol. 37, pp. 3-13, 2014.

Hussain, H., Malik, S. U. R., Hameed, A., Khan, S. U., Bickler, G., Min-Allah, N., Qureshi, M. B., **Zhang, L.**, Yongji, W., Ghani, N., Kolodziej, J., Zomaya, A. Y., Xu, C.-Z., Balaji, P., Vishnu, A., Pinel, F., Pecero, J. E., Kliazovich, D., Bouvry, P., Li, H., Wang, L., Chen, D., and Rayes, A. "A Survey on Resource Allocation in High Performance Distributed Computing Systems," Parallel Computing, vol. 39, no. 11, pp. 709-736, 2013.

Chen, F., **Zhang, L.**, and Latimer, J., “An Exploratory Study of Social Loafing in Asynchronous Virtual Collaboration,” International Journal of Information and Decision Sciences, vol. 6, no. 2, 2014.

**Zhang, L.**, Chen, F., and Latimer, J. “Managing Virtual Team Performance: An Exploratory Study of Social Loafing and Social Comparison,” Journal of International Technology and Information Management, vol. 20, no. 1, 2011.

**Zhang, L.**, Currim, S., and Currim, F., “Competitive Intelligence Task Analysis and Retrieval: An End-User Approach,” Review of Business Information Systems, vol. 15, no. 2, 2011.

Andersen, M., Hong, D., and **Zhang, L.**, “IT, CSR and Industry Relationships: A Descriptive Study,” International Journal of Management and Information Systems, vol. 15, no. 3, 2011.

Valentini, G. L., Lassonde, W., Khan S. U., Min-Allah, N., Madani, S. A., Li, J., **Zhang, L.**, Wang, L., Ghani, N., Kolodziej, J., Li, H., Zomaya, A., Y., Xu, C., Balaji, P., Vishnu, A., Pinel, F., Pecero, J. E., Kliazovich, D., and Bouvry, P., "An Overview of Energy Efficiency Techniques in Cluster Computing Systems," Cluster Computing, vol. 14, 2011.

Refereed Conference Publications/Presentations

Chen, F., **Zhang, L.**, and Latimer, J., “Social Loafing or Not: An Exploration of Virtual Collaboration”, The 5th China Summer Workshop on Information Management (CSWIM 2011), Harbin, China, June 25-26th, 2011.

**Zhang, L.**, Chen, F., and Latimer, J., “Effects of Identifiability and Perceived Co-Worker Effort on Virtual Team Performance,” In Proceedings of the 6th Midwest Association for Information Systems Conference (MWAIS 2011), Omaha, Nebraska, USA, May 20-21, 2011.

Loy, M., Traub, R., **Zhang, L.**, Kotala, P., Breidenbach, J., Roemmich, M., and Nelson, R., “Beyond the Use of Robotics: Operations and Supply Chain Control for Effective Inventory Management in A Health System Pharmacy,” The 2nd Symposium on Healthcare Advancements in Research and Practice (SHARP 2.0), Moorhead, Minnesota, April 28-29, 2011.

Andersen, M., Hong, D., and **Zhang, L.**, “IT, CSR and Industry Relationships: A Descriptive Study,” The 2011 New Orleans International Business & Economics Conference, New Orleans, Louisiana, March 14-16, 2011.

Currim, S., **Zhang, L.**, and Currim, F., “Exploratory Competitive Intelligence through Task Complexity Analysis,” In Proceedings of the 5th Midwest Association for Information Systems Conference (MWAIS 2010), Moorhead, Minnesota, USA, May 21-22, 2010.

Chen, F., **Zhang, L.**, and Latimer, J., “Social Comparison and Social Loafing: An Exploratory Study of Anonymous Ideation in Virtual Teams,” In Proceedings of the 43rd Hawaii International Conference on System Sciences (HICSS 2010), Kauai, Hawaii, USA, January 5-8, 2010.

Currim, S., **Zhang, L.**, and Tanniru, M., “Allocation to Drive ‘right’ Software Investment: A Model and Propositions through A Pilot Study,” The Arizona Exposium on Frontiers in Information Technology & applications, Tucson, Arizona, USA, February 29-March 1, 2008.

**Zhang, L.**, and Currim S., “Searching competitive intelligence by end users: A context-based approach,” In Proceedings of the 6th Workshop on E-business (WEB 2007), Montreal, Quebec, Canada, December 9, 2007

**Zhang, L.**, Ram, S., and Zeng, D., “Contextual Web Search Based on Semantic Relationships,” In Proceedings of the 15th Workshop on Information Technologies and Systems (WITS 2005), Las Vegas, Nevada, December 10-13, 2005.

Ram, S., Khatri, V., **Zhang, L.**, and Zeng, D. “GeoCosm: A Semantics-Based Approach for Information Integration of Geospatial Data”, in Lecture Notes in Computer Science, Hiroshi Arisawa, Yahiko Kambayashi, Vijay Kumar, Heinrich C. Mayr, and Ingrid Hunt ( Eds.), 2002, pp. 152-165.

Ram, S., Zeng, D, Khatri, V., and **Zhang L.**, “Efficient and Scalable Query Planning in Distributed Open Environments”, In Proceedings of the 11th Workshop on Information Technologies and Systems (WITS 2001), New Orleans, December 15-16, 2001.

Working Papers

“Popular Posts versus Unpopular Posts on Social Network: An Exploratory Study of Pinterest” (with Wei, W.)

“Web Search Context: Improving Web Search Effectiveness Using Semantic Relationships” (with Ram, S. and Zeng D.)

**service**

Committee Service at NDSU

Chair, AFIS PTE Committee 2014 – present

Member, CoB Ad Hoc PhD Committee 2014 – present

Member, CoB MBA Committee 2013 – present

Member, AFIS Curriculum Committee 2013 – present

Member, MIS-CS Committee 2006 – present

Member, University Faculty Senate Library Committee 2011 – 2015

Member, MIS Search Committee 2014

Member, AFIS PTE Committee 2013 – 2014

Chair, AFIS Curriculum Committee 2012 – 2013

Member, AFIS Curriculum Committee 2009 – 2012

Chair, MIS Search Committee 2011 – 2012

Member, AFIS Scholarship Committee 2009 – 2011

Member, CoB Search Committee for Director of Center for

Global Initiatives and Leadership 2008 – 2009

Member, MIS Search Committee 2008 – 2009

Member, CoB ad hoc Steering Committee 2007 – 2009

Member, MBA Committee 2007 – 2008

Member, CoB Scholarship Committee 2006 – 2009

Invited Journal Review

Reviewer, International Journal of Information Management 2014, 2015

Reviewer, Informs Journal on Computing 2014

Reviewer, Knowledge and Information System 2013

Reviewer, Cluster Computing 2012

Reviewer, Knowledge and Information System 2011

Reviewer, MIS Quarterly 2010, 2011

Reviewer, Information Systems Research 2010

Reviewer, Knowledge and Information System 2008, 2009

Reviewer, Journal of Database Management 2008

Reviewer, Electronic Commerce Research and Applications 2006

Conference Involvement

Program Committee, the 9th China Summer Workshop on Information Management 2015

Program Committee, the 6th Midwest AIS Conference 2011

Program Committee, the 5th Midwest AIS Conference 2010

Program Committee, the 19th Workshop on Information Technologies and Systems 2009

Reviewer, the 8th Workshop on e-Business 2009

Reviewer, the 15th Americas Conference on Information Systems 2009

Reviewer, the 5th Workshop on e-business 2006

**MEMBERSHIPS**

Association of Information Systems (AIS)

**Graduate student supervisory**

Doctoral Dissertation Committees

Syeda Hina, Department of Transportation and Logistics 2014 – present

Assad Abbas, Department of Electrical and Computer Engineering 2012 – present

Pratap Kotala, Department of Computer Science 2010 – 2014

Raed Seetan, Department of Computer Science 2013

Mohammed Akour, Department of Computer Science 2011 – 2013

Monsur Ahmed, Department of Transportation and Logistics 2009

Master’s Supervisory Committees

AaKanksha Rastogi, Department of Computer Science 2014

Nithisha Mucha, Department of Computer Science 2014

Sarjan Shrestha, Department of Computer Science 2014

Alemayehu Gebremariam, Department of Computer Science 2014

Munmum Gupta, Department of Computer Science 2014

Manish Singh, Department of Computer Science 2013

Santosh Dandey, Department of Computer Science 2013

Md. Minhaz Chowdhury, Department of Computer Science 2013

Reshma Hegde, Department of Computer Science 2013

Bandana Garg, Department of Computer Science 2013

Sonu Sharma, Department of Computer Science 2012 – 2013

Arti Katiyar, Department of Computer Science 2012

Neha Kale, Department of Computer Science 2012

Ryan McCulloch, Department of Computer Science 2012

Vindhya Jonnalagadda, Department of Computer Science 2012

Judi Novotny, Department of Computer Science 2011 – present

Benedict Shamo, Department of Construction Management & Engineering 2011 – present

Debajyoti Dash, Department of Computer Science 2011

Karthiksivaram Murugesan, Department of Computer Science 2011

Ramesh Lanke, Department of Computer Science 2011

Anita Sundaram, Department of Computer Science 2011

Akanksha Jaidev, Department of Computer Science 2011

Bethlehem A. Gronneberg, Department of Computer Science 2010 – 2012

Anupama Reddy Annapureddy, Department of Computer Science 2010 – 2011

Vijayanand Surayarapu, Department of Computer Science 2010

Joel Hensley, Department of Computer Science 2009 – 2010

Sri Harsha Yamparala, Department of Computer Science 2009

Senad Cimic, Department of Computer Science 2009

Megha Manan, Department of Computer Science 2007