

Vijay Khatri

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Education

- PhD University of Arizona, *Tucson, AZ* (2002)
Dissertation Title: Bridging the Spatio-Temporal Semantic Gap: A Theoretical Framework, Evaluation and a Prototype System
Major: Management Information Systems, Eller College of Business and Public Administration
Minor: Computer Science, Department of Computer Science
Advisors: Professor Sudha Ram (Chair), Professor Pete Downey, Professor David Pingry, Professor Richard T. Snodgrass and Professor Pamela Slaten
- MBA Master of Management Studies, University of Bombay, *India* (1994)
- BE Bachelor of Engineering (*Major:* Electronics)
Malaviya Regional Engineering College, University of Rajasthan, *India* (1992)

Work Experience

Academic

- 08/02 – present Assistant Professor,
Kelley School of Business, Indiana University, *Bloomington, IN*
- 8/97 – 05/02 Department of Management Information Systems
Eller College of Management, University of Arizona, *Tucson, AZ*
- *Research Associate:* Hydrology Information Systems, a NASA-funded project
 - *Instructor:* Taught Database Management Systems: Summer 2000, Business Data Communications: Summer 1999 and Fall 1999, and Operations Management: Summer 1998, Fall 1998, Winter 1998/99 and Spring 1999

Business

- 8/95 – 8/97 Assistant Consultant/Consultant, *IBM Consulting Group, India*
- Understand and assess clients' management and technology in overall business environment
 - Analyze clients' problems and develop recommendations
 - Develop and manage client relationships
 - Understand target market and help develop proposals
 - Help facilitate workshops
- 6/94 – 8/95 Software Engineer, *Infosys Technologies Limited, India*
- Understand clients' business and technology environment
 - Develop software based on clients' requirements
- 5/93 – 6/93 Summer Trainee, *Blow Plast Limited, India*
- Developed a distribution strategy whereby the company's molded luggage could reach the rural buyers through a rural distribution network

Awards and Honors

Research

- Nominated for “Outstanding Junior Faculty Award” at Indiana University, 2005 and 2006. The award is sponsored by the Office of Academic Affairs and the Dean of the Faculties as well as the Office of Research and the University Graduate School.
- Paper submission nominated for the best paper award at HICSS 2005 in “Collaboration Systems and Technology” track, 2005.
- SBC Fellow, Indiana University, 2003.
- *Doctoral Consortium*, International Conference in Information Systems (ICIS), New Orleans, 2001.
- *Doctoral Consortium*, Americas Conference of Information Systems (AMCIS), Boston, 2001.

Teaching

- *Outstanding MSIS Faculty Award*, Students’ Choice by the MSIS Class of 2007, Spring 2007.
- *2006 Trustees’ Teaching Award*, Kelley School of Business, Indiana University, Spring 2007.
- Nominated for the 2006 and 2007 Sauvain Teaching Award by the ODT Department.
- *Outstanding Faculty Award*, Students’ Choice by the MSIS Class of 2006, Spring 2006.
- Dean’s Teaching Citation, Kelley School of Business: Fall 2002, Fall 2003, Spring 2004, Fall 2004, Spring 2005, Fall 2005, Spring 2006, Fall 2006, Spring 2007 (Total: 9).
- Nominated for the 2002 *Trustees’ Teaching Award at the Kelley School of Business*, Indiana University, 2003.
- *Jim L. LaSalle Award for Teaching Excellence by a Graduate Student Instructor*, Department of Management Information Systems, University of Arizona, Spring 2000.
- Nominated for *Outstanding Teaching Assistant Award* by the Department of Management Information Systems, Graduate and Professional Student Council, University of Arizona, 1999–2000.

Scholarships

- *Honorary member*, Gamma Gamma Chapter of Alpha Iota Delta, 2002.
- *Graduate College Fellowship*, Department of Management Information Systems, University of Arizona, 1998–2001.
- *Graduate Nonresident Tuition Waiver*, University of Arizona, 1997–2002.
- *Graduate Registration Scholarship*, Department of Management Information Systems, University of Arizona, 1999–2000 and 2001–2002.
- *Tuition Waiver and Merit Scholarship* by the Government of India for Technical Studies, 1988–1992.

Grants

- Productivity-based Summer Grant, Kelley School of Business, \$24,000, 2007.
- Productivity-based Summer Grant, Kelley School of Business, \$12,000, 2006.
- Grant-in-Aid, Office of the Vice President for Research, Indiana University, \$1500, 2004-2005.
- Ford Faculty Development Fund Grant, Kelley School of Business, \$2000, 2004.
- SBC, “Developing a Learner-Centric Collaborative Pedagogical Environment” (with V. Ramesh), \$14,600, 2003.
- Indiana University, Academic Achievement Grant, \$400, 2003.
- Research grant from Verizon Inc. and Sierra Wireless Inc., “Wireless Web Adoption: An Assessment of Techno-Readiness and Usability in the PDA Market” (with Anne P. Massey and V. Ramesh), \$5000, 2003.

Major Projects

User Characteristics and Technology Adoption

In this study, we focus on two areas: the technology readiness (TR) of users and Web interface usability. We propose that TR, the propensity of users to embrace and use new technologies, may provide explanations of consumer needs and desires as related to usability. We examine this relationship as well as how TR affects web and wireless Web site evaluations. Ultimately, a deeper understanding of the TR-usability relationship may facilitate the efforts of content providers regarding marketing and design strategies.

Partially Supported by: HP, Verizon and Sierra Wireless

Research Presented at/Published in: Austin Mobility Roundtable 2004, HICSS2005, *Decision Sciences Journal* (2007)

Technology Characteristics and Technology Adoption

The introduction of the Tablet PC with its sophisticated pen interface presents a unique opportunity that can help provide support for new modes of active learning. The objective of this project is to develop a prototype of the next generation learner-centric collaborative pedagogical e-learning environment. An e-learning environment supported by the software artifact will provide the infrastructure for inter-University interaction including Friday workshops and seminars.

Partially Supported by: SBC

Research Presented at/Published in: 5th annual IU/SBC Summer Leadership Forum, Microsoft Tablet Workshop (2004), *IEEE Transactions on Education* (2006)

Role of the Application Domain Knowledge

While prior research realizes the importance of application domain knowledge in conceptual schema comprehension, characterizing the effects of application domain knowledge, as yet, remains unexplored. This research conceives of conceptual schema comprehension as the integration of knowledge of application and information systems. The impact of the application domain was found to be contingent upon the type of schema comprehension task. In a follow-up study, using protocol analysis, we explore *how* knowledge of application and IS domains play a role in cognitive processing of problem solvers.

Partially Supported by: Grant-in-Aid, Indiana University

Research Published in: ER2006, *Information Systems Research* (2006)

Eliciting Geospatio-Temporal Database Requirements

Geographic information is increasingly employed in a wide array of applications including land information systems, environmental modeling, resource management, transportation planning, geo-marketing, geology, archaeology and mobility-related applications. This research focused on developing an approach for designing applications that need to organize data based on space and/or time.

Partially Supported by: NASA

Research Published in: ER2001, PICMET2001, *Annals of Mathematics and Artificial Intelligence* (2002), *IEEE Transactions on Knowledge and Data Engineering* (2004), *Information Systems* (2006), *IEEE Transactions on Professional Communications* (2006)

Hydrology Information Systems (HyDIS)

HyDIS was a collaborative project between researchers in hydrology and researchers in management information systems. The objective of the project was to demonstrate the possibility of integrating current and developing state-of-the-art in information technology, spatial analysis, and remote sensing to make comprehensive research-quality hydrologic and water resources data interactively and cost-effectively accessible by scientists. The project employed search agents, metadata, GIS tools, remote sensing processing algorithms, and hydrologic concepts to facilitate the integration of various hydrologically-relevant data sets to produce custom-tailored hydrologically oriented products.

Partially Supported by: NASA

Research Published in: DASWIS2001, WITS2001, *Photogrammetric Engineering & Remote Sensing* (2002)

Refereed Journal Research Articles

- Merete Hvalshagen and Vijay Khatri, “ODAP: An Ontological Approach for Expressing the Semantics of Analysis Patterns in Conceptual Modeling,” *Information Technology and Management*, *forthcoming*.
- Anne P. Massey, Vijay Khatri, and Mitzi M. Montoya-Weiss, “Usability of Online Services: The Role of Technology Readiness and Context,” *Decision Sciences Journal*, Vol. 38, No. 2, pp. 277-308, 2007. (<http://dx.doi.org/10.1111/j.1540-5915.2007.00159.x>).
- Anne P. Massey, V. Ramesh, and Vijay Khatri, “Design, Development and Assessment of Mobile Applications: The Case for Problem-Based Learning,” *IEEE Transactions on Education*, Vol. 49, No. 2, pp. 183-192, 2006. (<http://dx.doi.org/10.1109/TE.2006.875700>).
- Vijay Khatri, Iris Vessey, Sudha Ram, and V. Ramesh, “Cognitive Fit between Conceptual Models and Internal Problem Representations: The Case of Geospatio-Temporal Conceptual Schema Comprehension,” *IEEE Transactions on Professional Communication*, Vol. 49, No. 2, pp. 109-127, June 2006. (<http://dx.doi.org/10.1109/TPC.2006.875091>).
- Gove Allen, Akhilesh Bajaj, Vijay Khatri, Sudha Ram, and Keng Siau, “Advances in Data Modeling Research,” *Communications of the AIS*, Vol. 17, Article 30, 2006; based on the discussion panel “Advances in Conceptual Modeling” at the *Americas Conference on Information Systems, AMCIS 2005*. (<http://cais.isworld.org/articles/default.asp?vol=17&art=30>).
- Vijay Khatri, Sudha Ram, and Richard T. Snodgrass, “On Augmenting Database Design-Support Environments to Capture the Geo-Spatio-Temporal Data Semantics,” *Information Systems*, Vol. 31, No. 2, pp. 98-133, April 2006. (<http://dx.doi.org/10.1016/j.is.2004.10.001>).
- Vijay Khatri, Iris Vessey, V. Ramesh, Paul Clay, and Sung-Jin Park, “Understanding Conceptual Schemas: Exploring the Role of Application and IS Domain Knowledge,” *Information Systems Research*, Vol. 17, No. 1, pp. 81-99, March 2006. (<http://dx.doi.org/10.1287/isre.1060.0081>).
- Sudha Ram and Vijay Khatri, “A Comprehensive Framework for Modeling Set-based Business Rules during Conceptual Database Design,” *Information Systems*, Vol. 30, No. 2, pp. 89-118, April 2005. (<http://dx.doi.org/10.1016/j.is.2003.10.008>).
- Vijay Khatri, Sudha Ram, and Richard T. Snodgrass, “Augmenting a Conceptual Model with Geo-spatio-temporal Annotations,” *IEEE Transactions on Knowledge and Data Engineering*, Vol. 16, No. 11, pp. 1324–1338, November 2004. (<http://dx.doi.org/10.1109/TKDE.2004.66>).
- Vijay Khatri, Sudha Ram, Richard T. Snodgrass, and Grady O’Brien, “Supporting User-defined Granularities and Indeterminacy in a Spatiotemporal Conceptual Model,” *Annals of Mathematics and Artificial Intelligence*, Vol. 36, No. 1–2, pp. 195–232, 2002. (<http://dx.doi.org/10.1023/A:1015868307494>).
- Sudha Ram, Vijay Khatri, Yousub Hwang, and Stephen R. Yool, “Semantic Modeling and Decision Support in Hydrology,” *Photogrammetric Engineering and Remote Sensing*, Vol. 66, No. 10, pp. 1229–1239, October 2000. (http://www.asprs.org/publications/pers/2000journal/october/2000_oct_1185-1193.pdf).

Book Chapter

- Vijay Khatri, “Temporal Conceptual Models,” *Encyclopedia for Database Systems*, Editors: Ling Liu and M. Tamer Özsu, Springer, *forthcoming*.

Editorial

- Sudha Ram and Vijay Khatri, “Defining, Eliciting and Using Data Semantics for Emerging Domains,” preface by co-editors to the special issue on “*Defining, Eliciting and Using Data Semantics for Emerging Domains*,” *Journal of Database Management*, Vol. 18, No. 1, January-March 2007.

Vijay Khatri and Iris Vessey, “Schema-Based Conceptual Schema Understanding: The Role of IS and Application Domain Knowledge in Solving a Well-Structured IS Problem,” under review at *Information Systems Research*.

Vijay Khatri, Sudha Ram, Richard T. Snodgrass, and Paolo Terenziani, “Differentiating Telic-Atelic Data Semantics in Conceptual Design” under review at *Information Systems Research*.

Carol V. Brown and Vijay Khatri, “Designing Data Governance,” under review at the *Communications of the ACM*.

Journal Research Articles: Working Papers

Vijay Khatri, Sudha Ram, Richard T. Snodgrass, and Iris Vessey, “Strong vs. Weak Approaches to Conceptual Design: The Case of Temporal Data Semantics,” for submission to *IEEE Transactions on Software Engineering*.

Vijay Khatri, Sudha Ram and Richard T. Snodgrass “A Survey of Spatiotemporal Conceptual Models: A Linguistics Perspective,” for submission to *IEEE Transactions on Knowledge and Data Engineering*.

Journal Research Articles: In-Progress

“Integrating Usability with Technology Acceptance,” for submission to *Information Systems Research* (with Anne Massey and V. Ramesh); *status*: data analysis in progress.

“How does Application Domain Knowledge Matter for Ontologically Unsound Schemas?” for submission to *Information Systems Research* (with V. Ramesh and Iris Vessey); *status*: data analysis in progress.

“Modeling Schema Versioning in Conceptual Modeling” for submission to *ACM Transactions on Database Systems*; *status*: paper writing in progress.

“Eliciting Data Lifecycle Requirements” for submission to *Information Systems Research*; *status*: paper writing in progress.

“Data Governance in Organizations,” (with Carol V. Brown) *status*: data collection in progress.

Refereed Conference Proceedings

Vijay Khatri and Iris Vessey, “Does the Application Domain Really Matter? A Protocol Analysis Study to Explore Its Role in Conceptual Schema Understanding,” Proceedings of the *25th International Conference on Conceptual Modeling* (ER2006), LNCS 4215, Tucson, Arizona, Eds: D.W. Embley, A. Olivé, and S. Ram, pp. 548-551, November 6-9 2006 (*poster*).

Lois Delcambre, Vijay Khatri, Yair Wand, Barbara Williams, Carson Woo, and Mark Zozulia, “Eliciting Data Semantics via Top-Down and Bottom-Up Approaches: Challenges and Opportunities,” Proceedings of the *25th International Conference on Conceptual Modeling* (ER2006), LNCS 4215, Tucson, Arizona, Eds: D.W. Embley, A. Olivé, and S. Ram, p. 583, November 6-9 2006 (*discussion panel*).

Merete Hvalshagen, Vijay Khatri, and Changheon Lee, “Meta Ontology for Describing Analysis Patterns in Conceptual Modeling,” Proceedings of the *15th Workshop on Information Technologies and Systems* (WITS2005), Las Vegas, Eds: Kar Yan Tam and J. Leon Zhao, December 10-11 2005.

Glenn J. Browne, V. Ramesh, S. Balaji, and Vijay Khatri, “User Requirements Verification: Evaluating the Effect of Formality in Presentation Modeling Requirements,” in Proceedings of the *4th Symposium on Research in Systems Analysis and Design*, Cincinnati, Eds: V. Ramesh, Roger Chiang and Andrew Gemino, April 23-24 2005.

Anne Massey, Vijay Khatri, and V. Ramesh, “From the Web to the Wireless Web: Technology Readiness and Usability,” in Proceedings of the *38th Hawaii International Conference on Systems Sciences*, Big Island, Hawaii, January 3-6 2005. *Nominated for the best paper award in “Collaboration Systems and Technology” track*.

Vijay Khatri, Sudha Ram, V. Ramesh, and Iris Vessey, “Can expressiveness and simplicity be simultaneously achieved in conceptual modeling? Exploring the role of supplementary level of abstraction for spatio-temporal conceptual modeling,” in Proceedings of the *3rd Symposium on Research in Systems Analysis and*

Design, St. John's, Canada, Eds: Dinesh Batra, Jeffrey Parsons and Ramesh Venkataraman, June 12-13 2004.

Anne Massey, Vijay Khatri, and V. Ramesh, "Mobile Data Services: Linking Customers Beliefs to Wireless Web Usability," in the *Austin Mobility Roundtable*, Austin, Texas, Eds: Sharon Dunn and Sirkka Jarvenpaa, March 11-12 2004.

Robert Fuller, Vijay Khatri, and V. Ramesh, "In Search of the Missing Link: Integrating User Acceptance Research into Systems Development Methodologies," in the *2nd Symposium on Research in Systems Analysis and Design*, Miami, Eds: Dinesh Batra, Jeffrey Parsons and V. Ramesh, April 4-6 2003.

Sudha Ram, Daniel Zeng, Vijay Khatri, and Limin Zhang, "Efficient and Scalable Query Planning in Distributed Open Environments," Proceedings of the *11th Workshop on Information Technologies and Systems (WITS2001)*, New Orleans, Eds: Jeffrey Parsons and Olivia R. Liu Sheng, December 15-16 2001.

Sudha Ram, Vijay Khatri, Limin Zhang, and Daniel Zeng, "GeoCosm: A Semantics-Based Approach for Information Integration of Geospatial Data," Proceedings of the *Workshop on Data Semantics in Web Information Systems (DASWIS2001)*, Yokohama, Japan, Eds: Kamal Karlapalem and Mukesh Mohania, Lecture Notes in Computer Science 2465, pp. 152-165, November 29-30 2001.

Sudha Ram, Richard T. Snodgrass, Vijay Khatri, and Yousub Hwang, "DISTIL: A Design Support Environment for Conceptual Modeling of Spatiotemporal Requirements," Proceedings of the *20th International Conference on Conceptual Modeling (ER2001)*, Yokohama, Japan, Eds: Hideko S. Kunii, Arne Solvberg and Sushil Jajodia, pp. 70-83, November 27-30 2001.

Sudha Ram, Yousub Hwang, and Vijay Khatri, "Infomediation for E-Business enabled Supply Chains: A Semantics-based Approach," Proceedings of the *9th IFIP 2.6 Working Conference on Database Semantics*, Hong Kong, Eds: Robert Meersman, Tharam Dillon and Karl Aberer, pp. 217-231, April 25-28 2001.

Peer-Reviewed Conferences

Vijay Khatri and Iris Vessey, "Does Application Domain *Really* Matter? A Content Analysis of Its Role in Conceptual Schema Understanding," the *Sixth Annual SIG IS Cognitive Research Exchange Workshop*, Ed: Raymond M. Henry, Glenn J. Browne, and Norman Johnson, Milwaukee WI, December 10, 2006.

Vijay Khatri, Sudha Ram, and Richard T. Snodgrass, "DISTIL: Eliciting Geo-Spatio-Temporal Data Semantics," Demo at the *14th Workshop on Information Technology and Systems (WITS)*, Ed: Alex Tung, Washington DC, December 11-12 2004.

Anne Massey, Vijay Khatri, and V. Ramesh, "Mobile Data Services: Linking Customers Beliefs to Wireless Web Usability," Invited Research Presentation, *Decision Sciences Institute 2004 Annual Meeting*, Session Chair: Merrill Warkentin, November 20 2004.

Vijay Khatri, "Capturing Spatiotemporal Semantics for Database Design and Information Integration," Proceedings of the *Portland International Conference on Management of Engineering and Technology (PICMET 2001)*, Portland, Eds: Timothy R. Anderson, Thomas R. Gullede, Chaiho Kim, Kiyoshi Niwa and Hugo Tschirky, July 29-August 2 2001.

Presentations

Presentations at Conferences

"Does Application Domain *Really* Matter? A Content Analysis of Its Role in Conceptual Schema Understanding," presented at the *Sixth Annual SIG IS Cognitive Research Exchange Workshop*, Milwaukee WI, December 10, 2006.

"From the Web to the Wireless Web: Technology Readiness and Usability," presented at the *38th Hawaii International Conference on Systems Sciences*, Big Island, Hawaii, January 3-6 2005.

"Mobile Data Services: Linking Customers' Beliefs to Wireless Web Usability," presented at the *Austin Mobility Roundtable*, Austin, Texas, March 11-12 2004.

"In Search of the Missing Link: Integrating User Acceptance Research into Systems Development Methodologies," presented at the *2nd Symposium on Research in Systems Analysis and Design*, Miami, April 4-6 2003.

“Capturing Spatiotemporal Semantics for Database Design and Information Integration,” presented at the **Portland International Conference on Management of Engineering and Technology (PICMET 2001)**, Portland, July 29-August 2 2001.

Invited Presentations

“Schema-Based Conceptual Schema Understanding: The Role of IS and Application Domain Knowledge in Solving a Well-Structured IS Problem,” **Big 10 Conference, Purdue University**, West Lafayette, 2007.

The IT Industry in India, guest lecture for X293, **Kelley School of Business**, September 15, 2006.

Developing a Learner-Centric Collaborative Pedagogical Environment, Demo at the **5th annual IU/SBC Summer Leadership Forum, Informatics and Communications Technology Complex, IUPUI**, Indianapolis, May 13, 2005.

E-Seminar System, **Indiana University**, Bloomington, April 2005.

“Mobile Data Services: Linking Customer Beliefs to Wireless Web Usability,” **Big 10 Conference, Michigan State University**, East Lansing, 2003.

“Does Application Domain Knowledge Really Matter? Exploring Its Role in Comprehension of Conceptual Schemas,” **Indiana University**, Bloomington, November 2003.

“Bridging the Spatio-Temporal Semantic Gap: A Theoretical Framework, Evaluation and a Prototype,” **Indiana University**, November 2001.

Discussion Panels

Lois Delcambre, Vijay Khatri, Yair Wand, Barbara Williams, Carson Woo, and Mark Zozulia, co-moderator (with Carson Woo) on “Eliciting Data Semantics via Top-Down and Bottom-Up Approaches: Challenges and Opportunities,” **25th International Conference on Conceptual Modeling (ER 2006)**, Tucson, AZ, 2006.

Gove Allen, Akhilesh Bajaj, Vijay Khatri, Sudha Ram, and Keng Siau, panelist on “Advances in Conceptual Modeling” at the **Americas Conference on Information Systems (AMCIS 2005)** Omaha, Nebraska, 2005.

Doctoral/Honors Advising and Committee Activity

Doctoral

- Merete Hvalshagen, Co-chair

Independent Study

- *Graduate (S590): Chang Heon Lee, 2005*
- *Honors Undergraduate (X496): David Zuidema, 2005*

Teaching Experience

Doctoral

Technology Issues in Information Systems Research (S 601)

Kelley School of Business, Indiana University

Bloomington, IN

Spring 2005

(Number of students: 4)

Instructor Rating: 7.00/7.00

Graduate

Designing and Managing Organizational Data Assets (S 523)

Kelley School of Business, Indiana University

Bloomington, IN

Fall 2006 (Q II) (Number of students: 21)

Instructor Rating: 6.22/7.00

Fall 2006 (Q II) (Number of students: 36)

Instructor Rating: 6.43/7.00

Spring 2006 (Q II) (Number of students: 37)

Instructor Rating: 6.17/7.00

Spring 2006 (Q II) (Number of students: 30)

Instructor Rating: 6.43/7.00

Fall 2004 (Q I) (Number of students: 24)

Instructor Rating: 6.32/7.00

Fall 2004 (Q II) (Number of students: 22)

Instructor Rating: 6.65/7.00

Managing and Designing Database Systems (S 520)

Kelley School of Business, Indiana University

Bloomington, IN

| | | |
|-------------|--------------------------|-------------------------------------|
| Spring 2007 | (Number of students: 31) | <i>Instructor Rating: 6.40/7.00</i> |
| Spring 2006 | (Number of students: 20) | <i>Instructor Rating: 6.37/7.00</i> |
| Summer 2004 | (Number of students: 7) | <i>Instructor Rating: 7.00/7.00</i> |

Mobile Technologies (S 535)

Kelley School of Business, Indiana University

Bloomington, IN

| | | |
|-------------|--------------------------|-------------------------------------|
| Spring 2004 | (Number of students: 16) | <i>Instructor Rating: 6.06/7.00</i> |
|-------------|--------------------------|-------------------------------------|

*Undergraduate***Seminar in Business (X 293)**

Kelley School of Business, Indiana University

Bloomington, IN

| | | |
|-----------|--------------------------|------------------------------------|
| Fall 2007 | (Number of students: 49) | <i>Instructor Rating: NYA/7.00</i> |
|-----------|--------------------------|------------------------------------|

Data Management (S 307)

Kelley School of Business, Indiana University

Bloomington, IN

| | | |
|-------------|--------------------------|-------------------------------------|
| Fall 2007 | (Number of students: 30) | <i>Instructor Rating: NYA/7.00</i> |
| Spring 2007 | (Number of students: 44) | <i>Instructor Rating: 6.71/7.00</i> |
| Fall 2006 | (Number of students: 28) | <i>Instructor Rating: 6.81/7.00</i> |
| Spring 2006 | (Number of students: 33) | <i>Instructor Rating: 6.54/7.00</i> |
| Fall 2005 | (Number of students: 30) | <i>Instructor Rating: 6.22/7.00</i> |
| Spring 2005 | (Number of students: 36) | <i>Instructor Rating: 6.46/7.00</i> |
| Fall 2004 | (Number of students: 27) | <i>Instructor Rating: 6.50/7.00</i> |
| Spring 2004 | (Number of students: 33) | <i>Instructor Rating: 6.83/7.00</i> |
| Fall 2003 | (Number of students: 28) | <i>Instructor Rating: 6.86/7.00</i> |
| Fall 2002 | (Number of students: 21) | <i>Instructor Rating: 5.86/7.00</i> |
| Fall 2002 | (Number of students: 29) | <i>Instructor Rating: 6.65/7.00</i> |
| Fall 2002 | (Number of students: 30) | <i>Instructor Rating: 6.25/7.00</i> |

Database Management Systems (MIS 331)

Eller College of Business and Public Administration, University of Arizona

Tucson, AZ

| | | |
|-------------|--------------------------|-------------------------------------|
| Summer 2000 | (Number of students: 48) | <i>Instructor Rating: 4.93/5.00</i> |
|-------------|--------------------------|-------------------------------------|

Business Data Communications (MIS 307)

Eller College of Business and Public Administration, University of Arizona

Tucson, AZ

| | | |
|-------------|--------------------------|-------------------------------------|
| Fall 1999 | (Number of students: 50) | <i>Instructor Rating: 4.80/5.00</i> |
| Summer 1999 | (Number of students: 44) | <i>Instructor Rating: 4.66/5.00</i> |

Basic Operations Management (MIS 373)

Eller College of Business and Public Administration, University of Arizona

Tucson, AZ

| | | |
|------------------|--------------------------|-------------------------------------|
| Spring 1999 | (Number of students: 66) | <i>Instructor Rating: 4.40/5.00</i> |
| Winter 1998/1999 | (Number of students: 42) | <i>Instructor Rating: 4.70/5.00</i> |
| Fall 1998 | (Number of students: 57) | <i>Instructor Rating: 4.60/5.00</i> |
| Summer 1998 | (Number of students: 40) | <i>Instructor Rating: 4.36/5.00</i> |

To Indiana University

- *Indiana University*
 - *Mentor, IU Research Scholar, 2007–present*
- *Kelley School of Business*
 - *Kelley Scholar Mentor, 2003–present*
 - *Member, CMS Web Implementation Review Board (Content Management System), 2004–2005*
 - *Member, Undergraduate Policy Committee, 2005–2006*
 - *Member, MSIS Graduate Policy Committee, 2006–present*
 - *Faculty Sponsor, MSIS Association, 2006–present*
 - *Reviewer, Kelley Scholar Application, 2006*
- *ODT/IS Department*
 - *IS Ph.D. Committee, 2004–2006*
 - *IS Department Webmaster, 2004–2006*
 - *Judge*
 - *Accenture Case Competition, 2006*
 - *Crowe Case Competition, 2006*
 - *Deloitte Case Competition, 2007*
 - *Lilly Case Competition, 2004, 2005*
 - *Target Case Competition, 2007*
 - *IS Graduate Committee, 2003–2004*
 - *IS Undergraduate Committee, 2003–2004*
 - *IS Department Website Committee, 2002–2003*
 - *Course Coordinator: S307, 2004–present*

To the Field: Journal Reviewing

- ***Guest Associate Editor***
 - *Special Issue on Design Science Research, MIS Quarterly, 2006*
- ***Member of the Editorial Board***
 - *Journal of Database Management (JDM)*
- ***Co-Guest Editor***
 - *Special issue of the Journal of Database Management (January-March 2007) on “Defining, Eliciting and Using Data Semantics for Emerging Domains”*
- ***Ad-hoc Reviewer***
 - *Management Science*
 - *IEEE Transactions on Education (IEEE-Ed)*
 - *Communications of the ACM (CACM)*
 - *IEEE Transactions on Engineering Management (IEEE-EM)*
 - *Information Technology and Management (ITM)*
 - *Information Systems Management*
 - *Photogrammetric Engineering and Remote Sensing (PE&RS)*
 - *Data and Knowledge Engineering (DKE)*
 - *ACM Transactions on Database Management (ACM TODS)*
 - *Decision Support Systems (DSS)*
 - *IEEE Transactions on Professional Communication (IEEE-TPC)*
 - *Inform Journal of Computing (JoC)*
 - *Information Systems Research (ISR)*
 - *Journal of Association of Information Systems (JAIS)*
 - *The DATA BASE for Advances in Information Systems*

- **Prototype Coordinator**
 - 16th Workshop on Information Technologies and Systems (WITS2006), Milwaukee, WI, 2006.
- **Minitrack Co-Chair**
 - Systems Analysis and Design for IS Development in Distributed Environments, Association for Information Systems Special Interest Group on Systems Analysis and Design (SIGSAND), *Americas Conference on Information Systems: AMCIS 2006* (with Narayan Ramasubbu and Akhilesh Bajaj)
 - Conceptual Modeling and Database Design, Association for Information Systems Special Interest Group on Systems Analysis and Design (SIGSAND), *Americas Conference on Information Systems: AMCIS 2005* (with Roger Chiang)
- **Member, Program Committee**
 - *International Conference on Conceptual Modeling:*
 - ER2004 (Shanghai, China 2004)
 - ER2005 (Klagenfurt, Austria, 2005)
 - ER2006 (Tucson, USA 2006)
 - *Workshop on Information Technologies and Systems:*
 - WITS2004 (Washington DC, 2004)
 - WITS2005 (Las Vegas, 2005)
 - WITS2006 (Milwaukee WI, 2006)
 - WITS2007 (Montréal, Canada, 2007)
 - Workshop on *Exploring Modeling Methods in Systems Analysis and Design:*
 - EMMSAD2005 (Porto, Portugal, 2005)
 - EMMSAD2006 (Luxembourg, 2006)
 - EMMSAD2007 (Trondheim, Norway, 2007)
 - InSITE (Informing Science + IT Education) Conference, Rockhampton QLD Australia, June 25-28 2003
- **Session Chair**
 - *Workshop on Information Technologies and Systems:*
 - WITS2004 for Database Integration and Systems A&D, Washington, DC, 2004
 - WITS2005 for Conceptual Modeling, Las Vegas, 2005.
 - WITS2006 for Personalization, Milwaukee, WI, 2006
 - *Americas Conference on Information Systems (AMCIS2005):*
 - Conceptual Modeling and Database Design minitrack, Omaha, Nebraska, 2005
 - *International Conference of Information Systems (ICIS)*
 - Economics of Electronic Markets session, Seattle, 2003
 - *International Conference on Conceptual Modeling:*
 - ER2003 Tutorial, Chicago, 2003.
 - PICMET (*Proceedings of the Portland International Conference on Management of Engineering and Technology*)
 - Information/Knowledge Management: Manufacturing Industry” session, Portland, 2001
- **Discussant**
 - *International Conference of Information Systems (ICIS)*, Washington DC 2004, for “Technology and Systems Track.”
- **Ad-hoc Reviewer**
 - *International Symposium on Cooperative Database Systems for Advanced Applications*, 2001
 - *INFORMS Conference on Information Systems and Technology (CIST 2001)*
 - *International Conference on Design Science Research in Information Systems and Technology (DESRIST 2005)*
 - *International Conference on Conceptual Modeling (ER2001, ER2002, ER 2003)*
 - *Workshop on Information Technologies and Systems (WITS 2001-2003)*
 - *Hawaii International Conference on Systems Sciences (HICSS-38 2005)*
 - *Web-based Information Systems and Applications (Las Vegas 2005)*
 - *International Conference on Information Systems (ICIS 2002, 2003)*

Professional Development

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| May 20, 2003 | Geographic Information Systems as a Tool for Research and Teaching, Indiana University, Bloomington, IN |
| April 7–11, 2003 | MS-SQL Server, Indiana University, Bloomington, IN |
| March 21–22, 2003 | The Art and Craft of Discussion Leadership, Harvard Business School, Cambridge, MA |
| October 2000 | Introduction to XML, Extended University, University of Arizona, Tucson, AZ |
| August 14–16, 2000 | PL/SQL, Oracle Inc., Tucson, AZ |
| August 17–18, 2000 | Oracle Spatial, Oracle Inc., Tucson, AZ |

Affiliations

ACM
Association for Information Systems
IEEE Computer Society
Informs