

Leo R. Vijayasaraty
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Director, MCIS
College of Business
Colorado State University
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January 2023

Education

Ph.D. Florida International University, Miami, FL. 1994
Major: Management Information Systems
Thesis: Consequences of Interorganizational Information Systems: An Empirical Investigation of the Effects of EDI Use on Interorganizational Relationships in the Retail Industry (Advisor: Professor Daniel Robey).

MBA Marquette University, Milwaukee, WI. 1988

B.Com. Loyola College, Chennai, India. 1985

Research Interests

Design, development, implementation and consequences of information systems and applications

Teaching Interests

Application Design and Development, Database Design and Management, Business Intelligence, Data Mining/Analytics

Academic Experience

Chair, CIS	Colorado State University	June 2019 –
Director, MCIS	Colorado State University	September 2018 –
Professor	Colorado State University	July 2017 –
Associate Professor	Colorado State University	July 2003 – June 2017
Assistant Professor	Colorado State University	August 2000 – June 2003
Assistant Professor/ Coordinator of MIS	North Dakota State University	August 1996 – July 2000
Assistant Professor	Barry University	September 1993 - May 1996

Instructor	Florida International University	January 1990 -August 1993
Research Assistant	Florida International University	September 1988 - December 1990
Research Assistant	Marquette University	June 1987 - August 1988

Courses Taught

Undergraduate Courses

Application Design and Development
 Introduction to Management Information Systems
 Managing Information Technology
 Database Design and Management
 Database Programming
 Electronic Commerce: Marketing on the Internet
 Object-Oriented Analysis and Design
 Entrepreneurship
 Web Application Development
 First-Year Seminar in Business
 Business Intelligence

Graduate Courses

Database Management Systems
 Decision Support Systems
 Managing Information Systems
 Business Visual Application Development
 E-Business Application Technologies
 Business Intelligence
 Applied Data Mining and Analytics

Doctoral Dissertation Committees

Bryan Boots, Networks and Trust: Systems for Understanding and Supporting Internet Security, 2022. (External Member)

Jill Speece, Integrating MBSAP with Continuous Improvement for Developing Resilient Healthcare Systems, 2021. (External Member)

Hajar Homayouni, Anomaly Detection and Explanation in Big Data, 2020. (External Member)

Mohammed Al-Refai, Towards Model-Based Regression Test Selection, 2019. (External Member)

Ibrahim Meftah Lazrig, Privacy Preserving Integration and Sharing of Sensitive Data, 2018. (External Member)

Dieudonne M. Kadimbadimba, On Designing Large, Secure and Resilient Networked Systems, 2018. (External member)

Krill Belyaev, On Component-Oriented Access Control in Lightweight Virtualized Server Environments, 2017. (External member)

Awad A. Younis Mussa, Quantifying the Security Risk of Discovering and Exploiting Software Vulnerabilities, 2016. (External member)

Fadi Wedyan, Data-Flow Testing for Aspect-Oriented Programs, 2011. (External member)

Tai Xin, A Framework for Processing Generalized Advanced Transactions, 2006. (External member)

Master of Science Thesis Committees

Joy Ghosh, Automatic Detection of Constraints in Software Documentation, 2021. (External Member)

Vignesh Pagadala, Towards Efficient Implementation of Attribute-Based Access Control, 2021. (External Member)

Min Kyung Shin, An Empirical Comparison of Four Java-Based Regression Test Selection Techniques, 2020. (External Member)

Rejina Basnet, Integration of Task-Attribute Based Access Control Model for Mobile Workflow Authorization and Management, 2019. (External Member)

Hossein Shirazi, Unbiased Phishing Detection Using Domain Name Based Features, 2018. (External Member)

Diptendu M. Kar, Digital Signatures to Ensure the Authenticity and Integrity of Synthetic DNA Molecules, 2018. (External member)

Hajar Homayouni, An Approach for Testing the Extract-Transform-Load Process in Data Warehouse Systems, 2017. (External member)

Leo Vigneshwaran Sudalaikkan, Preservation of Low Latency Service Request Processing in Dockerized Microservice Architectures, 2016. (External member)

Dieudonne M. Kadimbadimba, On the Design of a Secure and Anonymous Publish-Subscribe System, 2012. (External member)

Kevin Burnett, Modeling and Querying Uncertain Data for Activity Recognition Systems Using PostgreSQL, 2012. (External member)

Kyle Haefner, Using a Trust Model to Prevent Spam over Internet Telephony, 2009. (External member)

Mariappan Rajaram, A Secure Logging Architecture to Support Computer Forensics, 2008. (External member)

Burke Webster, Implementation of a Secure and Anonymous Electronic Voting Protocol, 2008. (External member)

HyunChul Joh, Digital Content Protection in View of Usage Control Model, 2007. (External member)

Kishore Peravali, Database Connection Pool Manager, 2000. (External member)

Suman S. Ayyagari, Expert System Builder, 1999. (External member)

Ramesh Paturu, A Prototype of a Office Information System to Manage Document Flows, 1998. (External member)

Master of Science Plan B Committees

Yugesh Reddy Kambham, Coverity Migration and Dashboard Web Application at Hewlett-Packard, 2013 (Chair)

Shika Suman, Competitive Benchmarking and Quality Measurement Dashboard at Hewlett-Packard, 2013 (Chair)

Bill Gargan, Data Steward Project, 2013 (Member)

Lisa Martin, Palm Pest Screening Aid for iPhone App, 2013 (Member)

Thomas Jones, Cloud Computing: Small Business Options, 2103 (Chair)

Yazhu Yan, CSU CSSA Web-Based Renovation, 2012 (Chair)

Eric Tisdale, CAHS User System, 2012 (Chair)

Neal Feierabend, Bentham Project: Counseling Clinic Software System, 2012 (Chair)

Edith Holbert, Communications Database, 2012 (Chair)

Muralidharan Dhurvas, Product Management and Analytics at PayPal, 2012 (Chair)

Todd Shannon, Wild Real Estate Services Property Management System, 2012 (Chair)

Sripriya Srinivasan, Dairy Cow Well-being Monitor System, 2012 (Chair)

Frederic S. Fitzsimmons, Demystifying SQL: A highlight of difficulties to learning database queries, 2012 (Co-chair)

Adam Carpenter, Career center relationship management system, 2011 (Member)

Ryan Neff, The Volatility Index vs. Liquidity: What roles do they play? 2011 (External member)

Matthew D. Trice, idTools.org, 2011 (Chair)

Omar BaniSalman, Online Meal Ordering Website, 2011 (Chair)

Tom Biedscheid, Financial Aid Process Tracker, 2011 (Chair)

Nathan Nishimoto, ERP System of Woodward Governor, 2011 (Member)

Rebecca Crow, Westbourne Properties LLC – Brokerage Transaction Management System, 2011 (Member)

Andy Bailey, Colorado State University Parking Services Website, 2011 (Member)

Theodore Kponssi, An online payment system for Benin & Togo, 2010 (Chair)

Aish Sawie, Diffusion of information technology in Yemeni government organizations: Exploring auditors'

perceptions about the adoption and use of computer-based information technology, 2010 (Chair)

Daniel Warren, Colorado State Forest Service – Fire Division Training Administration and Documentation Web Site, 2010 (Chair)

Ilham Hbaci, Women’s Clinic System, 2010 (Member)

Cassandra Deemer, Social Petworking, 2010 (Member)

Chao-Pei Chen, Website Enhancement for Fort Collins Music Teachers Association, 2010 (Chair)

Broderick Taylor, Moot House Invoice Overhaul, 2010 (Member)

Jia Li, United States Forest Service Volunteer Scheduling and Reporting Programs’ Website, 2010 (Member)

Bruce Bugbee, Bidder Behaviours on eBay: Collectibles and Commodities, 2010 (Member)

Hussein Al Rousan, Agriculture and Land Use Greenhouse Gas Inventory Tool, 2010 (Chair)

Prasanna Venkatesh, Agriculture and Land Use Greenhouse Gas Inventory Tool, 2010 (Chair)

Paul Miller, Web-based CRM for Pastor & Miller, LLC, 2010 (Member)

Travis Neidert, CartoPac Field Solutions Implementation for Abandoned Mine Lands in the National Parks System, 2009 (Member)

Ammon Redman, Fire Service Tracking, 2009 (Member)

Santhiprada Dusi, Error Log Monitoring Support for PS Technology on Mainframe Computers, 2009 (Co-Chair)

Michael Petrelli, www.CSURamsBaseball.com, 2008 (Chair)

Elizabeth McKenna, Knowledge Information Management, 2008 (Member)

Zhassulan Sarsenov, Project HR for IT Specialists and Organizations, 2008. (Chair)

Kevin Yu, Kurukulla: Online Dating Service, 2007. (Chair)

Marwan Z. Obeidat, Integration of Resource Management Application, 2007. (Member)

Omaima Elrasheid, Fort Collins Public Defender Office Database System, 2006. (Chair)

Reisha Koning, DL1Import: Transforming an Unmanaged C++ Data Structure for Use in a Managed C# Environment using Structured Storage Input Data, 2005. (Chair)

Subodh Nilose, Commission Enhancement Project, 2005. (Member)

Vladimir V. Ostromensky, A Survey of Software Development Practices, 2005. (Member)

David J. Brown, Call-in Employee Report Tracker, 2004. (Member)

John Mathew, Web-based Allergy Questionnaire for Dr. Lawrence Gargas, 2004. (Chair)

Ranjan Saikia, Decision Support System for United States Geological Survey, 2003. (Chair)

Sriraman Ramachandran, Web-enabled Student Information System, 2002. (Chair)

D. Bergin, HC Berger Brewery Database Integration and Expansion, 2002. (Member)

Xiwen Wang, Poudre Health Services District Human Resource Management System, 2002. (Chair)

Yanfang He, Legacy Land Trust Database System, 2001. (Chair)

Bachelor of Science Honors Thesis Committees

Amanda Waters, Koka.com, 2018 (Chair)

Alexander Dickey, The FREEdge Website, 2018 (Chair)

Andrew Trujillo, SQL, CSS, HTML & PHP Website, 2017. (Co-chair)

Allison Eret, Designing a New Website and Training Manual for a Client (Associated Students of Colorado State University), 2015. (Co-chair)

Kaitlyn Kenyon, The Fort Collins Cat Rescue and Spay/Neuter Clinic Website Development Project & Social Media Case Study, 2013. (Chair)

Emily Strausbaugh, Working with a Client to Develop an Effective, Informative Website, 2013. (Member)

Zach Frick, Academic Advancement Center Website, 2007. (Chair)

Nathan R. Watchorn, Knowledge Management, 2003. (Faculty advisor for exchange student from the University of Tasmania, Australia)

Refereed Journal Articles

Shin, M. K., Sudipto, G., Vijayasathy, L. R. 2022. An Empirical Comparison of Four Java-Based Regression Test Selection Techniques. *Journal of Systems and Software*, 186, April, Article 111174.

Roberts, N., Qahri-Saremi, H. and Vijayasathy, L.R. 2021. Understanding IT Value at the Managerial Level: Managerial Ambidexterity, Seizing Opportunities, and the Moderating Role of Information Systems Use. *The Data Base for Advances in Information Systems*, 52(3), 39-55.

Butler, C., Vijayasathy, L.R., Roberts, N. 2020. Managing Software Development Projects for Success: Aligning Plan- and Agility-Based Approaches to Project Complexity and Project Dynamism. *Project Management Journal*, 51(3), 262-277.

Casterella, G. and Vijayasathy, L.R. 2019. Query Structure and Data Model Mapping Errors in

- Information Retrieval Tasks. *Journal of Information Systems Education*, 30(3), 178-190.
- Vijayarathy, L.R., Casterella, G. 2016. The Effects of Information Request Language and Template Usage on Query Formulation. *Journal of the Association for Information Systems*, 17(10), 674-707.
- Vijayarathy, L. R., Butler, C. 2016. Choice of Software Development Methodologies – Do Project, Team and Organizational Characteristics Matter? *IEEE Software*, 33(5), 86-94.
- Roberts, N. H., Campbell, D., Vijayarathy, L. R. 2016. Using Information Systems to Sense Opportunities for Innovation: Integrating Post-Adoptive IS Use Behaviors with the Dynamic Managerial Capability Perspective. *Journal of Management Information Systems*, 33(1), 45-69.
- Vijayarathy, L.R., Gould, S. and Gould, M. 2015. “Cues for Better Writing: Empirical Assessment of a Cueing Application’s Effectiveness”. *Business and Professional Communication Quarterly*, 78(4), 476-493.
- Weydan, F., Ghosh, S. and Vijayarathy, L.R. 2015. “An Approach and Tool for Measurement of State Variable Based Data-Flow Test Coverage for Aspect-Oriented Programs.” *Information and Software Technology*, 59(3), 233-254.
- Irwin Casterella, G. and Vijayarathy, L.R. 2013. “An Experimental Investigation of Complexity in Database Query Formulation Tasks.” *Journal of Information Systems Education*, 24(3), 211-222.
- Vijayarathy, L.R. and Turk, D. 2012. “Drivers of Agile Software Development Use: Dialectic Interplay between Benefits and Hindrances.” *Information and Software Technology*, 54(2), 137-148.
- Vijayarathy, L.R. 2010. “An Investigation of Moderators of the Link between Technology Use and Supply Chain Performance.” *Information & Management*, 47(7-8), 364-371.
- Vijayarathy, L.R. 2010. “Supply Integration: An Investigation of its Multidimensionality and Relational Antecedents.” *International Journal of Production Economics*, 124(2), 489-505.
- Vijayarathy, L.R. and Turk, D. 2008. “Agile Software Development: A Survey of Early Adopters.” *Journal of Information Technology Management*, 19(2), 1-8.
- Hayne, S.C., Smith, C.A.P., and Vijayarathy, L.R. 2005. “The Use of Pattern-Communication Tools and Team Pattern Recognition.” *IEEE Transactions on Professional Communications*, 48(4), 377-390.
- Vijayarathy, L.R. 2004. "Predicting Consumer Intentions to Use Online Shopping: The Case for an Augmented Technology Acceptance Model." *Information & Management*, 41 (6), 747-762.
- Hayne, S.C., Smith, C.A.P., and Vijayarathy, L.R. 2003. “Who Wins on eBay: An Analysis of Bidders and Their Bid Behaviours.” *Electronic Markets: The International Journal of Electronic Commerce & Business Media*, 13 (4), 282-293.
- Vijayarathy, L.R. 2003. “Psychographic Profiling of the Online Shopper.” *Journal of Electronic Commerce in Organizations*, 1 (3), 48-72.
- Vijayarathy, L.R. 2003. “Shopping Orientations, Product Types and Internet Shopping Intentions.” *Electronic Markets: The International Journal of Electronic Commerce & Business Media*, 13 (1), 67-79.

Vijayasathay, L.R. 2002. "Product Characteristics and Internet Shopping Intentions." *Journal of Internet Research: Electronic Networking Applications and Policy*, 12 (5), 411-426.

Vijayasathay, L.R. 2002. "Internet Taxation, Privacy and Security: Opinions of the Taxed and Legislated." *Quarterly Journal of Electronic Commerce*, 3 (1), 53-71.

Vijayasathay, L.R. 2001. "Beyond Beliefs: The Impact of Shopping Orientations, Product Types, and Shopping Aids on Attitude and Intention to Use Online Shopping." *Quarterly Journal of Electronic Commerce*, 2 (2), 99-113.

Vijayasathay, L.R. and Jones, J.M. 2001. "Do Internet Shopping Aids Make a Difference? An Empirical Investigation." *Electronic Markets: The International Journal of Electronic Commerce & Business Media*, 11 (1), 75-83.

Vijayasathay, L.R. and Jones, J.M. 2000. "Print and Internet Catalog Shopping: Assessing Attitudes and Intentions." *Journal of Internet Research: Electronic Networking Applications and Policy*, 10 (3), 191-202.

Vijayasathay, L.R. and Jones, J.M. 2000. "Intentions to Shop Using Internet Catalogs: Exploring the Effects of Product Types, Shopping Orientations, and Attitude towards Computers." *Electronic Markets: The International Journal of Electronic Commerce & Business Media*, 10 (1), 29-38.

Jones, J.M. and Vijayasathay, L.R. 1999. "Shopping Mode Images of Internet- and Print-Catalogs: Individual Perceptions vs. Important Others' Perceptions." *WebNet Journal*, October-December, 28-36.

Jones, J.M. and Vijayasathay, L.R. 1998. "Internet Consumer Catalog Shopping: Findings from an Exploratory Study and Directions for Future Research." *Journal of Internet Research: Electronic Networking Applications and Policy*, 8 (4), 322-330. (Citation of Excellence by ANBAR Electronic Intelligence)

Vijayasathay, L.R. and Robey, D. 1997. "The Effects of EDI on Market Channel Relationships in Retailing." *Information & Management* 33 (2), 73-86.

Vijayasathay, L.R. and Tyler, M.L. 1997. "Adoption factors and Electronic Data Interchange Use: A Survey of Retail Companies." *International Journal of Retail & Distribution Management* 25 (9), 286-292.

Sabherwal, R., and Vijayasathay, L.R. 1994. "An Empirical Investigation of the Antecedents of Telecommunication-based Interorganizational Systems," *European Journal of Information Systems* 3 (4), 268-284.

Vijayasathay, L.R., and Sabherwal, R. 1994. "Organizational Integration and the Use of Telecommunication Technologies for Internal Links: An Empirical Investigation," *Journal of High Technology Management Research* 5 (1), 77-99.

Robey, D., Smith, L.A., and Vijayasathay, L.R. 1993. "Perceptions of Conflict and Success in Information Systems Development Projects," *Journal of Management Information Systems* (10:1), 1993, 123-139.

Refereed Conference Proceedings

Vijayasathay, L.R. and Irwin, G. "Declarative Programming and Cognitive Load: Strategies for Reducing Task Complexity." Proceedings of the 2013 International Decision Sciences Institute Conference, Bali,

Indonesia.

Vijayasarathy, L.R. "Profiling Supply Chain Integration: Differences in Practices, Relationships and Performance between Integration Stages." Proceedings of AMCIS 2010, Lima, Peru.

Turk, D. and Vijayasarathy, L.R. "Agile Software Development Use: An Empirical Developer's Survey." Proceedings of the 2009 International Conference on Information Systems & Software Engineering, Chennai, India (Best Paper Award).

Vijayasarathy, L.R. "Antecedents and Consequences of Integration in the Supply Chain", Proceedings of 2009 International Decision Sciences Institute Conference, Nancy, France.

Vijayasarathy, L.R. and Turk, D. "Determinants of Agile Software Development Use: A Survey of Early Adopters", Proceedings of ISOneWorld 2009 Conference.

Turk, D., Vijayasarathy, L.R., and Clark, J. "An Empirical Investigation of Models Versus Prototypes in Systems Development", Proceedings of AMCIS 2006, Acapulco, Mexico.

Hayne, S.C., Smith, C.A.P., and Vijayasarathy, L.R. "Training for Collaboration and Cognitive Alignment." Proceedings of AMCIS 2005, Omaha, NE (Best Paper Award).

Vijayasarathy, L.R. "Technology Use in Supply Chain Management." Proceedings of the ISOneWorld 2005 conference.

Vijayasarathy, L.R., Clark, J., and Turk, D. "Use of Models in Programming: A Preliminary Investigation." Proceedings of the ISOneWorld 2005 Conference.

Hayne, S.C., Smith, C.A.P., and Vijayasarathy, L.R. "Team Pattern Recognition: Sharing Cognitive Chunks Under Time Pressure." *Proceedings of the Hawaii International Conference on System Sciences*, 2005.

Hayne, S.C., Smith, C.A.P., and Vijayasarathy, L.R. 2004. "The Use of Pattern Sharing Tools and Team Pattern Recognition." *Proceedings of the IFIP International Conference on Decision Support Systems*, Tuscany, Italy.

Turk, D.E., Vijayasarathy, L.R., and Cark, J.D. 2003. "The Value of Conceptual Modeling in Database Development: An Experimental Investigation." *Proceedings of the Evaluation of Modeling Methods in Systems Analysis and Design 2003 Conference*, Velden, Austria.

Turk, D.E., Vijayasarathy, L.R., and Cark, J.D. 2003. "Assessing the Value of Modeling in Systems Development: A Research Agenda." *Proceedings of the 2nd Annual Symposium on Research in Systems Analysis and Design*, Miami, FL.

Vijayasarathy, L.R. 2002. "An Extension of the Technology Acceptance Model to B2C E-Commerce." *Proceedings of the Decision Sciences Institute Annual Meeting*.

Vijayasarathy, L.R. 2001. "Consumer Perspectives on Internet Taxation, Privacy, and Security." *Proceedings of the Decision Sciences Institute Annual Meeting*.

Vijayasarathy, L.R. and Jones, J.M. 2000. "The Impact of Shopping Aids on Online Shopping Perceptions." *Proceedings of the Decision Sciences Institute Annual Meeting*.

Vijayasathay, L.R. and Jones, J.M. 1999. "Consumer Attitudes and Intentions towards Internet Catalog Shopping: The Impact of Product Characteristics and Shopping Orientations." *Proceedings of the Decision Sciences Institute Annual Meeting*, 335-337.

Vijayasathay, L.R. and Jones, J.M. 1999. "Perceptions of Internet shopping: An Experimental Comparison of New Entrant and Established Catalogers." *Developments in Marketing Science* 22, 35.

Vijayasathay, L.R. and Jones, J.M. 1998. "Internet Shopping: Consumer Perceptions and Behavioral Intentions." *Proceedings of the Decision Sciences Institute Annual Meeting*, 415-417.

Jones, J.M. and Vijayasathay, L.R. 1998. "Preliminary Results from an Experiment on Perceptions of Internet Catalog Shopping and Traditional Catalog Shopping." *Proceedings of the Decision Sciences Institute Annual Meeting*, 418-419.

Vijayasathay, L.R. and Jones, J.M. 1998. "Perceptions of On-Line Shopping and Catalog Shopping." *Proceedings of the WebNet 98 Conference*, CD 1998/249.pdf.

Olson, K. and Vijayasathay, L.R. 1998. "Electronic Commerce - An IS Perspective." *Proceedings of the WebNet 98 Conference*, CD 1998/856.pdf.

Green, C., Schrader, R.W., and Vijayasathay, L.R. 1998. "A Web-Mediated Opportunity for University-Corporate Partnership." *International Business Schools Computing Association 26th Annual Conference Proceedings*, 30-37.

Jones, J.M. and Vijayasathay, L.R. 1998. "Internet Shopping: Findings from an Exploratory Study and Research Propositions." *Developments in Marketing Science* 21, 349.

Gochenouer, J. and Vijayasathay, L.R. 1998. "Internet Measurement and Forecasting," *Contemporary Business Readings*, 170-176.

Vijayasathay, L.R. and Jones, J.M. 1997. "The Moderating Role of Need for Cognition on On-Line Shopping and Catalog Shopping," *Proceedings of the Decision Sciences Institute Annual Meeting*, Volume 2, 645-646.

Kirs, P.J., Muralidhar, K., and Vijayasathay, L.R. 1994. "Assessing MIS Journal Criteria: An AHP Evaluation," *Proceedings of the Decision Sciences Annual Meeting*, 1125-1127.

Vijayasathay, L.R., and Kirs, P.J. 1993. "Training Methods and Learning Performance: A Comparison of Exploration-based and Instruction-based Training Strategies on Novice Users' Learning of a Computer System," *Proceedings of the Decision Sciences Institute Annual Meeting*, 981-983.

Vijayasathay, L.R. 1993. "Resource Dependence Theory: Implications for Interorganizational Information Systems Research," *Proceedings of the Decision Sciences Institute Annual Meeting*, 809-811.

Book Chapter

Vijayasathay, L.R. 2004. "A Psychographic Approach to Segmenting the Electronic Shopper." In Mehdi Khosrow-Pour (editor), *Social and Cognitive Impacts of E-Commerce on Modern Organizations*, Idea Group Publishing, 90-118.

Non-Refereed (Invited) Journal Article

Butler, C., Turk, D., Vijayarathy, L. 2015. Agile Software Development Use: An Empirical Developer's Survey. *Agile Product Management and Software*, www.cutter.com/article/agile-software-development-use-empirical-developers-survey-470616.

Working Paper

David S. Krause, Daniel Tranchita, and Leo R. Vijayarathy. 1988. "Baseball Cards and Other Collectible Items: Are They Prudent Investments?" *Working Paper 88-105*, Marquette University, WI.

Presentations

An empirical comparison of four Java-based regression test selection techniques, Presentation at the Automated Software Engineering (ASE) Conference, October 10-14, 2022, Oakland, MI (with Min Kyung Shin and Sudipto Ghosh; Presenter: Sudipto Ghosh).

Employment Opportunities for International MCIS Students/Graduates, CIS Advisory Council Meeting, Fort Collins, CO, April 2017.

Improving Query Formulation Task Performance, Joint Presentation with Gretchen Irwin Casterella to the CIS Advisory Council, Fort Collins, CO, April 2016.

Analytics and Firm Performance, Joint Presentation with Nick Roberts to the CIS Advisory Council, Fort Collins, CO, April 2016.

Establishing a CIS Research Center, Joint Presentation with Stephen Hayne to the CIS Advisory Council, Fort Collins, CO, October 2013.

Declarative Programming and Cognitive Load: Strategies for Reducing Task Complexity. Co-authored with Gretchen Irwin Casterella. Presented at the 12th International Decision Sciences Institute and 18th Asia Pacific DSI Joint Meeting, Bali, Indonesia, July 2013.

Improve Student Writing: Scribe Bene Software, Colorado Learning and Teaching with Technology Conference, Boulder, August 4, 2011 (with Michael D. Gould and Susan M. Gould; presenters Michael and Susan Gould).

Business Intelligence Course in the CIS program, CIS Advisory Council Meeting, Fort Collins, CO, April 2011.

Profiling Supply Chain Integration: Differences in Practices, Relationships and Performance between Integration Stages. Presented at AMCIS, Lima, Peru, August 2010.

Agile Software Development Use: An Empirical Developer's Survey. Presented at the International Conference on Information Systems & Software Engineering, Chennai, India, December 2009.

Antecedents and Consequences of Integration in the Supply Chain, Presented at the International Decision Sciences Institute Conference, Nancy, France, June 2009.

Software Development Approaches: Conceptual Frameworks and Some Empirical Findings. Research

Seminar Presentation with Dan Turk. Indian Institute of Management – Bangalore, India, July 2008.

Integration in the Supply Chain, Presentation at the 38th Annual Meeting of the Decision Sciences Institute, Phoenix, AZ, November 2007.

The Art and Science of Software Development: Can Businesses Afford its Artsiness? A Contingent Approach for Maximizing Business Value. Joint Presentation with Dan Turk to the Colorado State University Computer Science Department's Software Engineering Group, October 2007.

Agile Software Development, Presentation at the 37th Annual Meeting of the Decision Sciences Institute, San Antonio, TX, November 2006.

Technology Use and Supply Chain Performance, Presentation at the 36th Annual Meeting of the Decision Sciences Institute, San Francisco, CA, November 2005.

Congreso Internacional de Ciencias Computacionales, "Use of Models in Java Programming: A Preliminary Investigation," Biblioteca Universitaria "Raul Rangel Frias," Universidad Autonoma de Nuevo Leon, Monterrey, Mexico, October 17-18, 2005 (invited presentation; with Jon Clark and Dan Turk; presenter: Jon Clark).

Chunking and Team Pattern Recognition. Presentation at the Information Systems' Special Interest Group on Cognitive Research Pre-ICIS Workshop, Seattle, December 2003. (with Stephen Hayne and C.A.P. Smith; Presenter: Stephen Hayne)

Information Technology in Supply Chain Management. Presentation at the 34th Annual Meeting of the Decision Sciences Institute, Washington D.C., November 2003.

Predicting Sniping in eBay Auctions. Presentation at the INFORMS Conference, San Jose, CA, November 2002 (with Stephen Hayne and C.A.P. Smith; Presenter: Stephen Hayne).

An Extension of the Technology Acceptance Model to B2C E-Commerce. Presented at the 33rd Annual Meeting of the Decision Sciences Institute, San Diego, CA, November 2002.

An Extension of the Technology Acceptance Model to B2C Commerce. Presented at Colorado State University College of Business Research Colloquium, Fort Collins, CO, February 2002.

The Impact of Shopping Aids on Online Shopping Perceptions. Presented at the 31st Annual Meeting of the Decision Sciences Institute, Orlando, FL, November 2000.

Consumer Attitudes and Intentions towards Internet Catalog Shopping: The Impact of Product Characteristics and Shopping Orientations. Presented at the 30th Annual Meeting of the Decision Sciences Institute, New Orleans, LA, November 1999.

Outstanding in the Field: Get Connected. Presented at the North Dakota Business Conference, October 27-28, 1999.

Academic Programs in the College of Business Administration. Presented at Discover NDSU Days, October 22, 1999.

Scholarship of Research, New Faculty Development Program at North Dakota State University, Fargo, ND, 1999.

MIS Program at NDSU. Informal Presentation at the NDSU Family Weekend, October 24, 1998.

Print and Internet Catalog Shopping. Presented at the 29th Annual of the Decision Sciences Institute, Las Vegas, NV, November 1998.

Electronic Commerce and Online Catalog Shopping. NDSU College of Business Faculty Seminar Presentation, February 1998.

Careers in Information Systems. Presented at the North Central Region 33rd Annual Career Day Program, October 1997.

MIS at NDSU. Presented at the NDSU Computer Science Industrial Advisory Council Inaugural Meeting, April 1997.

Integrating Computer Technology into the Classroom Experience. Presented at the NDSU Family Weekend, October 1996.

Resource Dependence Theory: Implications for Interorganizational Information Systems Research. Presented at the 24th Annual Meeting of the Decision Sciences Institute, Washington, D.C., November 1993.

Professional Development

MIS Academic Leadership Conference, Terry College of Business, University of Georgia, November 10-12, 2022.

SIGDSA Workshop: Analytics and Visualization with SAS, Cancun, Mexico, August 15, 2019.

Supervised Machine Learning Pipelines using SAS Viya, Cary, NC, July 24-25, 2019.

Deep Learning using SAS Software, Cary NC, July 23, 2019.

SAS Visual Data Mining and Machine Learning on SAS Viya: Interactive Machine Learning, San Diego, CA, January 8, 2019.

Supervised Machine Learning Procedures using SAS Viya in SAS Studio, San Diego, CA, January 9-10, 2019.

Decision Analytics Connecting People, Data, and Things Symposium, San Francisco, CA, December 12-13, 2018.

Survival Data Mining using SAS Enterprise Miner, San Diego, CA, January 10-11, 2018.

Analytics for Societal and Organizational Transformations Symposium, Seoul, South Korea, December 10, 2017.

Teradata Aster – Faculty Training Course, Stillwater, OK, June 19-21, 2017.

Innovations in Data Analytics Symposium, Dublin, Ireland, December 10-11, 2016.

National Retail Federation's Retail's Academic Symposium (invited and sponsored), New York, NY, August 7-9, 2016.

Business Analytics Congress, Fort Worth, TX, December 12-13, 2015

Big Data and Analytics Education Conference, Puerto Rico, August 11-14, 2015

Advanced Predictive Modeling Using SAS Enterprise Miner, San Diego, January 12-14, 2015

IBM Insight: Big Data & Analytics Education Conference, Las Vegas, NV, October 25-26, 2014.

SAS Visual Analytics for Professors, San Diego, CA, June 18-19, 2014.

Text Analytics using SAS Text Miner, San Diego, CA, June 16-17, 2014.

IBM Academic Initiative: SPSS Modeler for Predictive Analytics, Boulder, CO, June 11, 2014.

IBM Academic Initiative: Cognos for Business Intelligence, Boulder, CO, June 10, 2014.

Business Intelligence Congress III, Orlando, FL, December 15-16, 2012

Microsoft Windows 8 App Development Workshop, Denver, CO, August 17, 2012.

SAS Advanced Business Analytics Workshop, Cary, NC, July 9-13, 2012.

SAP Academic Conference, San Antonio, TX, March 22-24, 2012.

Applied Analytics using SAS Enterprise Miner Training Workshop, Cary, NC, July 19-22, 2011.

Business Intelligence Congress II, St. Louis, MO, December 11-12, 2010.

The Master Teacher Summer Institute: Improving Teaching and Learning Workshop, Fort Collins, CO, August 13-14, 2007.

"Course Technology Forum: Everything Just Changed", Longmont, CO, February 10, 2006.

"Introduction to Microsoft .Net Development" Denver, CO, July 7-8, 2003.

"Presenting Data and Information." Workshop presented by Edward Tufte, Denver, CO June 17, 2002.

"e-commerce and e-tailing: the Revolution continues." University of Minnesota Conference on Electronic Commerce, Minneapolis, March 27-28, 2000.

"e-Business: Opportunities, Challenges, and Winning Strategies." Second Annual Summer Immersion Course offered by The University of Montana and the Montana World Trade Center, August 1-4, 1999.

"e-Business: Electronic Channels to Customers and Suppliers." University of Minnesota Conference on Electronic Commerce, Minneapolis, November 9-10, 1998.

Schwan's College Partnership Outing, Marshall, MN, August 12-13, 1998.

"Keeping Promises in a Changing World of Technology." University of Minnesota Conference on Business to Consumer Electronic Commerce, Minneapolis, MN, November 10-11, 1997.

Cargill's Annual Junior Information Technology Challenge, Minneapolis, MN, January 17, 1997.

Service at Colorado State University

COB IT Client Services Manager Search Committee, 2021
COB Program Innovation Task Force, 2019-2020
Internal Advisory Board - Marketing Data Analytics Specialization of the MBA, 2018-
COB CIS Chair Search Committee, 2018-19
COB Associate Dean Search Committee, 2018
MCIS Advisor Search Committee, 2017
CIS Faculty Search Committee, 2015-2016
COB Website Steering/Advisory Committee, 2014-2016
IT Systems Administrator Search Committee, 2014
CIS Senior Faculty Search Committee, 2012-2013
CIS Junior Faculty Search Committee, 2012-2013
COB Undergraduate Core Review Committee, 2011-2012
Faculty Governance Committee, 2010-2022
COB Faculty Advisory Committee, 2009-2010
COB Policy Committee, 2008-2010
CIS Ad-hoc Committee for developing a Dual Concentration Option, 2008-2009
COB Assurances of Learning Committee, 2007-2014
COB CIS Chair Search Committee, 2006
COB Scholarship Committee, 2004-2010
COB Undergraduate Curriculum Committee, 2005-2006; Fall 2009
COB Associate Dean Search Committee, 2003
CIS Undergraduate Curriculum Committee, 2000-
Faculty Advisor, CIS Club, 2003-

Service at North Dakota State University

University Senate Library Committee (1996 - 2000)
Computer, Planning, and Goals Cluster Committee (1996 - 2000)
Computer, Planning, and Goals Software Advisory Committee (1997 - 2000)
Strategic Planning Committee (1997 - 2000)
MIS Steering Committee (1996 - 2000)
Practicum Committee (1998 - 2000)
Advising Committee (1998 - 2000)
Y2K Unit Representative (1998 - 2000)
College of Business Dean Search Committee (1998-1999)
Faculty Advisor: Student Chapter of the Association of Information Technology Professionals (1996-2000)

Service at Barry University

Analytic/Computer Skills Committee (1994-1996)
Undergraduate Curriculum Committee (1994-1996)
Faculty Development Committee (1995-1996)

Faculty Welfare and Benefits Committee (1994-1996)

Professional Service

Session Chair, ICIS, Copenhagen, Denmark, December 9-14, 2022.

Research Track Co-Chair, Pre-ICIS SIGDSA Symposium, Copenhagen, Denmark, December 10, 2022.

Session Chair, AMCIS, Minneapolis, MN, August 10-14, 2022.

Industry Track Co-Chair, Pre-ICIS SIGDSA Symposium, San Francisco, CA, December 12-13, 2018.

Research Track Co-Chair, Pre-ICIS SIGDSA Symposium, Seoul, South Korea, December 10, 2017.

Co-Organizer, Front Range Information Systems Research Seminar, Fort Collins, CO, October 6, 2017.

Founding Co-Organizer, Front Range Information Systems Research Seminar. Fort Collins, CO, November 18, 2016.

Conference Committee (Panels/Tutorials/Workshops Co-Chair), Americas Conference on Information Systems, 2007

International Editorial Review Board, *Journal of E-Business Research*, 2004-2009

Editorial Advisory Board, *International Journal of Cases on Electronic Commerce*, 2004-2009

Editorial Advisory Board, *Journal of Internet Research*, 2002-

Program Committee, *Information Resources Management Association International Conference*, 2005

Program Committee, *Information Resources Management Association International Conference*, 2004

Program Committee, *Conference on Information Systems and Technology*, 2003

Assistant to Dr. Joyce Elam, Program Co-Chair, International Conference on Information Systems, 1992

Ad-hoc reviewer for *Information Systems Research*, *Electronic Markets*, *IEEE Transactions on Engineering Management*, *Journal of Business and Management*, *IEEE Transactions on Professional Communication*, *Decision Sciences*, *Journal of Electronic Commerce Research*, *Journal of Organizational Computing and Electronic Commerce*, *International Journal of Production Economics*, *Information and Software Technology*, *Information & Management*, *Communications of the Association for Information Systems*, *Journal of Information Technology*, *Journal of Management Information Systems*, *Technical Gazette*, and *Proceedings of the International Conference on Information Systems*, Americas Conference on Information Systems, European Conference on Information Systems, *Decision Sciences Institute Annual Meeting*, *Inform's Conference on Information Systems and Technology*, Information Resources Management Association International Conference, Organizational Communications and Information Systems Division of the Academy of Management Meeting, and *International Business Schools Computing Association* national conferences.

Honors and Grants

- Colorado State University Office of International Programs Distinguished Service Award, 2022
- Colorado State University Computer Information Systems Department Research Grant Program, 2018
- Colorado State University Computer Information Systems Department Research Grant Program, 2017
- Colorado State University Computer Information Systems Department Research Grant Program, 2016
- Colorado State University Computer Information Systems Department Research Grant Program, 2015
- Colorado State University Computer Information Systems Department Research Grant Program, 2014
- Colorado State University Computer Information Systems Department Research Grant Program, 2013
- Colorado State University College of Business Research Grant Program, 2012
- Colorado State University Computer Information Systems Department Research Grant Program, 2012
- Colorado State University College of Business Dean's Scholars, 2011
- Colorado State University College of Business Kemble Family Research Fellow, 2011-2012
- Colorado State University College of Business Chuck and Gwen Lillis Faculty Fellow, 2010-2011
- Colorado State University International Programs' Institutional Partnership Grant, 2008-2009
- Colorado State University College of Business Research Grant Program, 2008
- Colorado State University International Programs' International Field Experience Award, 2008
- Colorado State University Institute for Learning and Teaching's Innovation Grant, 2007-2008.
- Colorado State University College of Business First Community Bank Faculty Fellow, 2007-2010
- Accenture Certificate of Outstanding Achievement in appreciation for contributions and dedication to the students, the College of Business and Colorado State University, Fall 2007.
- Colorado State University College of Business Research Grant Program, 2003/04.
- Supported 1/9th by Office of Naval Research "*Shared Information and Virtual Surfaces*" (Stephen C. Hayne – Principal Investigator), 2002, 2003, 2004, 2005
- NDSU Research and Consulting Committee Grant-in-Aid Award, 1999-2000.
- NDSU Faculty Development Committee Instructional Development Grant, 1999-2000.
- NDSU Development Foundation's Centennial Endowment Fund Grant, 1999.
- NDSU College of Business Administration Outstanding Research Award, 1997-1998.
- NDSU Mortar Board Award for Excellence in Academic Teaching, 1997-1998.
- Participant, Doctoral Student Consortium, Decision Sciences Institute Annual Meeting, 1991.
- Recipient, Outstanding Achievement in the Doctoral Program, Florida International University, 1989.