

Raj Sharman
Associate Professor and Director – MS and PhD Program (MSS)

Education

Ph.D. in Computer Science (August 1998)
Louisiana State University, Baton Rouge, Louisiana 70802

Master of Science in Industrial Engineering (May 1987)
Louisiana State University, Baton Rouge, Louisiana 70802

Master of Science in Industrial Management (June 1983)
Indian Institute of Technology, Bombay, India

Bachelor of Science in Metallurgical Engineering (June 1980)
Indian Institute of Technology, Bombay, India

Research

Journal Papers (Published / Accepted)

Ada, S., Sharman, R., Rao, H. R., Brennan, J., "Users' Preference for Emergency Notification Services in Campus Emergencies: An Empirical Investigation", *The IEEE Transactions on Professional Communication*. Conditionally Accepted.

Park, I., Sharman, R., and Rao, H. R., "Perceived Information Assurance, Risk, Resilience, and Information Systems Effectiveness in the context of Disasters", *Management Information Systems Quarterly (MISQ)*, Conditionally Accepted (April 2014).

Yaraghi, N., Ye, D., Sharman, R., Gopal, R., Ramesh, R., "Health Information Exchange as a Multi-sided Platform: Adoption, Usage and Practice Involvement in Service Co-Production", *Information Systems Research (ISR)*, Accepted (August 2014).

Yaraghi, N., Ye, D., Sharman, R., Gopal, R., Ramesh, R., Singh, R., Singh, G., "Professional and Geographical Network Effects on Healthcare Information Exchange Growth: Does Proximity Really Matter?" *Journal of the American Medical Informatics Association (JAMIA)*, Nov. 29, 2013.

Chen, R., Sharman, R., Rao, H. R., "Data Model Development for Fire Related Extreme Events," *Management Information Systems Quarterly*, March 2013.

Yaraghi, N., Ye, D., Sharman, R., Gopal, R., Ramesh, R., "Network Effects in Health Information Exchange Growth", *ACM Transactions on Management Information Systems*, Volume 4, Number 1, April 2013.

Valecha, R., Sharman, R., Rao, H. R., Upadhyaya, S., "An Investigation of Messaging for Emergency Response Systems", *ACM Transactions on Management Information Systems*, Volume 4, Number 1, April 2013.

Han, W., Ada, S., Sharman, R., Gray, R. "Factors Impacting the Adoption of Social Network Sites for Emergency Notification Purposes in Universities." Forthcoming in *International Journal of Business Information Systems* (Since Feb. 2014)

Xiao, N, Sharman, R., Singh, R., Singh, G., Rao, H. R., "Meaningful Use" of Ambulatory EMR: Does It Improve The Quality and Efficiency of Health Care?" *Health Policy and Technology*, Volume 1, Issue 1, March 2012, Pages 28–34.

- Xiao, N., Sharman, R., Rao, H. R., Singh, R. and Singh, G., "Factors Influencing Online Health Information Search: An Empirical Analysis of a National Cancer- Related Survey" *Decision Support Systems*, Nov. 2012.
- Ada, S., Sharman, R., Balkundi, P., "Impact of Meta-Analytic Decisions on the conclusions drawn on the Business Value of Information Technology", *Track*, Volume 54, August 2012, pp 521-533.
- Xiao, N, Sharman, R., Rao, H. R., and Dutta, S., "A Simulation-based Study for Managing Hospital Emergency Department's Capacity in Extreme Events", *International Journal of Business Excellence (IJBEX)*, Vol. 5, No. 1/12, 2012.
- Amo, L. C., Ada, S., Sharman, R., "The Role of Scholar Status in the Academic Publication Process", *International Journal of Doctoral Studies*, Vol. 7, 2012.
- Gupta, M and Sharman, R., "Determinants of Data Breaches: A Categorization Based on Empirical Investigation", *Journal of Applied Security Research*. Volume 7, Issue 3, 2012 pp. 375-395
- Singh, R., Sharman, R., Singh, A., Brooks, R., McLean, D., Singh, R., "Innovative Web-based Tool for Safer Transitions of Patients Through Healthcare Systems", *Advances in Computer Science and Information Engineering*, Volume 125, 2012, pp 187-194.
- Gupta, M., and Sharman, R., "Incorporating Social-Cultural Contexts in Role Engineering: An Activity Theoretic Approach". *International Journal of Business Information Systems*. Vol. 7, No. 1, 2011.
- Chen, R., Rao, H. R., Sharman, R., Upadhyaya, S., and Kim, J., "An Empirical Examination of IT-Enabled Emergency Response: The Cases of Hurricane Katrina and Hurricane Rita", *Communications of the Association for Information Systems (CAIS)*, 26(8), pp. 141-156, 2010.
- Gupta, M., and Sharman, R., "Activity Governance for Managing Risks in Role Design for SSO Systems", *Journal of Information Assurance and Security*. Volume 5, Issue 6, November 2010, Dynamic Publishers.
- Kim, M., Sharman, R., Rao, H. R., Upadhyaya, S., and Cook-Cottone. C. P., "Assessing roles of people, technology and structure in emergency management systems: A public sector perspective", *Behavior & Information Technology*, 14 Dec. 2010.
- Gupta, M. and Sharman, R. "Impact of Web Portal Announcements on Market Valuations: An Event Study", *International Journal of Web Portals*, Volume 2, Issue 4, pp 1-17, 2010.
- Wang, J., Sharman, R., and Zionts, S., "Functionality defense through diversity: a design framework to multitier systems", *Annals of Operations Research*, March, 2010.
- Ryu, C., Sharman, R., Rao, H. R., and Upadhyaya, S., "Security Protection Design for Deception and Real System Regimes: A Model and Analysis," *European Journal of Operations Research*, Volume: 201; Issue: 2; Pages: 545-556, March 2010.
- Gupta, M., and Sharman, R., "Secure Role Engineering design using Activity theoretic approach", *International Journal of Business Information Systems*, Accepted in May 2009.
- Chen, R., Sharman, R., Chakravarti, N., Rao, H. R., and Upadhyaya, S., "Emergency Response Information System Interoperability: Development of Chemical Incident Response Data Model," *Journal of the Association of Information Systems (JAIS)*, Vol. 9, No. 3, Article 7, 2008.
- Gupta, M., and Sharman, R., "Dimensions of Identity Federation: A Case Study in Financial Services". *Journal of Information Assurance and Security*, Volume 3, Issue 4, December 2008, pp 244- 256.
- Gupta, M., Bryan, D. and Sharman, "Enabling Business and Security through Technology Implementation: A Financial Services Case Study". *Journal of Applied Security Research*, 1936-1629, Volume 4, Issue 3, 2009, Pages 322 – 340, Taylor and Francis Group.

Tallau, L., Sharman, R. and Gupta, M., "Investment Decisions: Evaluating Balance Scorecard Method", to appear in the *International Journal of Business Information Systems*, Issue 6, No. 4, 2009.

Sharman, R., Kim, J. K., Rao, H. R., and Upadhyaya, S., "Lessons Learned from Katrina and Rita Hurricane Disasters: Results of a Delphi Study," *Journal of Information Science and Technology*, Vol. 5, No. 1, 2008.

Wang, J., Sharman, R., and Ramesh, R., "Content Management in Replicated Web Systems: A Feedback Learning Design Framework using Problem Decomposition and Controlled Simulation and Feedback Learning," *IEEE Transactions on Systems, Man, and Cybernetics*, Vol. 38, No. 1, pp 110-124, 2008.

Kim, J. K., Sharman, R., Rao, H. R., and Upadhyaya, S., "Efficiency of Critical Incident Management Systems: Instrument Development and Validation," *Decision Support Systems*, Vol. 44, No. 1, pp 235-250, 2007.

Ghosh, D., Sharman, R., Rao, H. R., and Upadhyaya, S., "An Investigation of Self-Healing Systems," *Decision Support Systems*, Vol. 42, No. 4, pp. 2164-2185, 2007.

Sharman, R., Ramanna, S.S., Ramesh, R., and Gopal, D. R., "Cache Architecture for On-Demand Remote Streaming on the Web," *ACM Transactions on the Web*, Vol. 44, No. 1, pp 23-49, 2007.

Zhang, H., Kishore, R., Sharman, R., and Ramesh, R., "Agile Integration Modeling Language (AIML): A Conceptual Modeling Grammar for Agile Integrative Business Information Systems," *Decision Support Systems*, Vol. 44, No. 1, pp 266-284, 2007.

Chen, R., Sharman, R., Rao, H. R., and Upadhyaya, S., "An Exploration of Coordination in Emergency Response Management," *Communications of the ACM (CACM)*, Vol. 51, No. 5, pp 66-73, 2008.

Cody, E., Sharman, R., Rao, H. R., and Upadhyaya, S., "Security in Grid Computing: A Review and Synthesis," *Decision Support Systems*, Volume 44, No. 4, pp 749-764, 2008.

Park, I., Sharman, R., Rao, H. R., and Upadhyaya, S., "Short Term and Total Life Impact Analysis of Malware in Computer Systems," *Decision Support Systems*, Vol. 43, No. 3, pp. 827-841, 2007

Chen, R., Sharman, R., Rao, H. R., and Upadhyaya, S., "Design Principles for Emergency Response Systems," *Information Systems and e-Business Management*, Vol. 5, No. 3, pp. 201-227, 2007.

Park, I., Sharman, R., Rao, H. R., and Upadhyaya, S., "The Effect of Spam and Privacy Concerns on Email Users' Behavior," *Journal of Information System Security*, Vol. 3, No. 1, pp. 39-63, 2007.

Lee, J. K., Upadhyaya, S., Rao, H. R., and Sharman, R., "Secure Knowledge Management and the Semantic Web," *Communications of the ACM (CACM)*, Vol.48, No.12, pp. 48-54, 2005.

Kishore, R., Sharman, R., and Ramesh, R., "Computational Ontologies and Information Systems: I. Foundations," *Communications of the Association for Information Systems*, Vol. 14, No.8, pp. 158-183, 2004.

Sharman, R., Kishore, R., and Ramesh, R., "Computational Ontologies and Information Systems: II. Formal Specification," *Communications of the Association for Information Systems*, Vol. 14, No. 9, pp. 184-205, 2004.

Sharman, R., Tyler, J. M., and Oleg, P., "A Fast and Accurate Method to Register Medical Images using Wavelet Modulus Maxima," *Pattern Recognition Letters*, Vol. 21, No. 6-7, pp. 447-462, 2000.

Pianykh, O.S., Tyler, J.M., and Sharman, R., "Nearly-Lossless Autoregressive Image Compression," *Pattern Recognition Letters*, Vol. 20, No. 2, pp. 221-228, 1999.

Journal Papers (Under Review)

Yaraghi, N., Ye, D., Sharman, R., Gopal, R., Ramesh, R., "Disclosure of Medical History on Health Information Exchange Platforms: Rational Drivers, Psychological Cues and Environmental Effects", *Information Systems Research (ISR)*, Submitted (August 2014).

Han, W., Sharman, R., Rao, H. R., "Campus Emergency Notification Systems: An Examination of Factors Affecting Compliance with Alerts", *Management Information Systems Quarterly*, Under revise and resubmit, Since June 2013.

Han, W., Sharman, R., Heider, A., Maloney, N., Yang, Min, Singh, R., "Impact of Electronic Diabetes Registry Use on Care Outcomes and Hospital Utilization", Under review at the Journal of the American Medical Informatics Association (JAMIA) under review since October 2014

Ivanov, A., Sharman, R. and Rao, H. R., 'Exploring Factors Impacting Sharing Health-Tracking Records', Health Policy and Technology, Under First Review since May 2014.

Journal Special Issue

Guest Editors: Santanam, R., Rao, H. R. and **Sharman, R.**, "Grand Challenges in E-Business", Information Systems and e-Business Management, Springer-Verlag Publications, 2011.

Books

Gupta, M., Walp, J., and Sharman, R., "Strategic and Practical Approaches for Information Security Governance: Technologies and Applied Solutions", IGI Global Inc., Hershey, Pennsylvania, USA, Feb. 29, 2012.

Gupta, M., Walp, J., and Sharman, R., "Threats, Countermeasures and Advances in Applied Information Security", IGI Global Inc., Hershey, Pennsylvania, USA, April 30, 2012.

Sharman, R. Das-Smith, S. and Gupta, M. (Eds), "Digital Identity and Access Management: Technologies and Frameworks", IGI Global Inc., Hershey, Pennsylvania, USA, Dec. 31, 2012.

Sharman, R., Rao H. R. and Santanam, R., "Exploring the grand challenges for next generation e-business", *Proceedings of the Workshop on E-Business*, Springer-Verlag Publications, Edited Book, December 2010. Published March 21, 2011.

Gupta, M., and Sharman, R. (Eds), "Handbook of Research on Social and Organizational Liabilities in Information Security," Idea Group Publishing Inc., Hershey, Pennsylvania, USA, 2008., ISBN: 978-1-60566-132-2, Nov. 20, 2009.

Gupta, M., and Sharman, R. (Eds), "Social and Human Elements of Information Security: Emerging Trends and Countermeasures," Idea Group Publishing Inc., Hershey, Pennsylvania, USA, 2008. ISBN: 978-1-60566-036-3 hardcover; 978-1-60566-037-0 soft-cover, Sept. 10, 2008.

Sharman, R., Kishore, R., and Ramesh, R., (Eds.) "Ontologies – A Handbook of Principles, Concepts and Applications in Information Systems", Springer, Boston, MA, 2007.

Book Chapters

R. Chen, R. Sharman, H.R. Rao, S.J. Upadhyaya, C.P. Cook-Cottone, "Coordination of Emergency Response: An Examination of the Roles of People, Process, and Information Technology", in: M. Turoff,

R. Hiltz, B. Van de Walle (Eds.), Information Systems for Emergency Management, M.E. Sharpe, September 2009.

Serkan A., Sharman, R. and Gupta, M. "Theories Used in Information Security Research: Survey and Agenda". *Handbook of Research on Social and Organizational Liabilities in Information Security*. (pp 279-292) Eds: Manish Gupta and Raj Sharman, IGI Publishing, Hershey, PA, USA. *Forthcoming*. (ISBN: 978-1-60566-132-5), March 2009.

Gupta, M. and Sharman, R., "Security-Efficient Identity Management Using Service Provisioning (Markup Language)", in *Handbook of Research on Information Security and Assurance*. Eds: Jatinder N.D. Gupta And Sushil Sharma, Idea Group Publishing, Hershey, PA, April, USA, ISBN: 978-1-59904-855-0, 2008.

Gupta, M. and Sharman, R., "Emerging Frameworks in User-focused Identity Management," in *Handbook of Research on Enterprise Systems*. Eds: Jantinder N. D. Gupta, S. K. Sharma and M. A. Rashid, Idea Group Publishing, Hershey, PA., (ISBN- 978-1-59904-859-8). Sepetmber 2008.

Gupta, M., Sharman, R., and Sanders, L., "Security Requirements Elicitation: An Agenda for Acquisition of Human Factors" in *Human and Social Elements of Information Security: Emerging Trends and Countermeasures*. Eds: M. Gupta and R. Sharman, Idea Group Publishing, Hershey, PA, USA., ISBN: 978-1-60566-036-3, 2008.

Gupta, M. and Sharman, R., "Pharming Attack Designs. Encyclopedia of Information Ethics and Security", Editor: Dr Marian Quigley, Idea Group Publishing, ISBN-10: 159140987, 2007.

Sharman, R., Kakanath, P., Rao, H. R., and Upadhaya, S., "Anti-virus Deployment Strategy for Enterprise Security," in "Enterprise Information Systems Assurance and System Security: Managerial and Technical Issues," Editors: Merrill Warkentin and Ray Vaughn, Idea Group Publishing, ISBN 159140912-8, 2006.

Awards

Best Paper (third): Valecha, R., Sharman, R., Rao, H. R., Upadhyaya, S., "Messaging Model for Emergency Communication" *Proceedings of the Mid-West Association for Information Systems (MWAIS 2012)*, Green Bay, Wisconsin, May 17-18, 2012.

Nominated for Best Paper Award, Yaraghi, N., Du, Y., Sharman, R., Gopal, R., Ramesh, R., "Interlinked Network Effects in Healthcare Information Exchange Growth", *Interlinked Network Effects in Healthcare Information Exchange Growth, Workshop on Information Technology and Systems (WITS 2011)*, Shanghai, China, December, 2011. [Also awarded best paper in the School of Management Poster Competition]

Best paper Award, Gupta, M., Sharman, R., and Rao, H. R., "Framing Effects of Crisis Response Communications on Market Valuation of Breached Firms", *Annual Symposium on Information Security*, Albany New York, June , 2011.

Best prototype Award, Valecha, R., Sharman, Monteiro, J, R, Rao, H. R., Upadhaya, S., Keerthana, S., Patel, M, Singh, A., Sharma, K., 'A Prototype of a FIRE-RELATED EXTREME EVENTZ SYSTEM (FREEZ)', *Workshop on Information Technology and Systems (WITS)*, St. Louis, Dec. 2010.

Best Prototype Award, 'A Prototype of a FIRE-RELATED EXTREME EVENTZ SYSTEM (FREEZ)', *Interlinked Network Effects in Healthcare Information Exchange Growth*, St. Louis, Dec. 2010. (with Rohit Valecha, H. R. Rao, Shambhu Upadhyaya, , S., Keerthana, B, Patel, M., Singh, A., Sharma, K).

Best Paper Award, Paper title "Content-Sensitive, temporally Adaptive Metadata" with Brendan Gilbert, Manish Gupta, H. R. Rao, Shambu Updhayaya and Kenneth P. Mortensen, Esq., 3rd Annual Symposium on Information Assurance (11th Annual New York State Cyber Security Conference), Albany, NY, June 4-5 2008.

Best Paper Award, Paper title “A Design Framework to Information System Functionality Defense through Diversity” with Jingguo Wang and Stanley Zionts, Americas Conference on Information Systems (AMCIS), 2006.

Freeman Faculty Fellow Award, Tulane University, Freeman School of Business, 2000-2001.

Seinsheimer Faculty Fellow Award, Tulane University, Freeman School of Business, 1999-2000.

Deans commendation for excellence in Teaching, LSU, College of Basic Sciences, 1998.

Outstanding Employee service Award - Outstanding contribution to the School of Veterinary Medicine, LSU for the year 1994.

Received “Shri P. B. Deshpande Award” for the best performance in Physics in the College (Ruparel College, Bombay, India at the First Year Science level).

Grants

- Co-PI, Office of the National Coordinator for Health Information Technology BEACON Award no. 90BC0003/01. Western New York Clinical Information Exchange (Awardee). Subcontract Award: *Health Information Technology Internship Program*. 5/2011- 3/2013. Co-Directors: Ranjit Singh, **Raj Sharman**.
- Co-PI, NSF Grant. The October 2006 Federal Disaster in Buffalo, NY: An Investigation of First and Second Responder Operations, SGER, \$29,995.
- Co-PI, UB2020 IRDF Grant. “Analyzing Emergency Response Management Systems in the Context of the Katrina and Rita Disasters-A First Responder Focus,” \$22,500.
- NSF Grant. \$8000, 2004-2005, Senior Personnel, PI’s H. Raghav Rao and Shambhu Upadhyaya.
- Co-PI, Air Force Research Laboratory (AFRL) Grant. \$5000, April 2004 – March 2005.
- PI, Ed. Tech Grant, HIPAA Compliant Medical Data Repository. \$8,000, UB EdTech, August 2004 – May 2005.
- PI, School of Management, State University of New York at Buffalo, Summer Research Award of \$5,400, March 2011.
- PI, School of Management, State University of New York at Buffalo, Summer Research Award of \$4,000, March 2010.
- PI, School of Management, State University of New York at Buffalo, Summer Research Award of \$6,000, March 2009.
- PI, School of Management, State University of New York at Buffalo, Summer Research Award of 5,000, March 2008.
- PI, School of Management, State University of New York at Buffalo, Summer Research Award of \$4,200, March 2007.
- PI, School of Management, State University of New York at Buffalo, Summer Research Award of \$4,000, March 2006.
- PI, School of Management, State University of New York at Buffalo, Summer Research Award of \$4,000, March 2005.
- PI, State University of New York, School of Management, Small Grants Award, approx. \$6000, January 2004- December 2010.
- PI, State University of New York, School of Management, Small Grants Award, \$800, January – December 2003.
- PI, School of Management, State University of New York at Buffalo, Summer Research Award of \$4,000, March 2003.
- PI, Individual Development Award, State of New York and United University Professions, competitively awarded; approx. \$600.00 each year, 2003, 2005, and 2006.

- Senior Personnel. Research Planning Grant for \$10,000. "Securing the Cyberspace – A Planning Proposal," Office of Vice President for Research, State University of New York at Buffalo, competitively awarded in November 2002.
- Workshop on Conceptual Modeling of Web (Business Model for E-Commerce using ER diagram and UML (NSF Fund), Individual support Amount \$2,500, Status – Awarded, 1999: PI: Dr. Peter Chen
- PI, Equipment Grant from Digital Equipment Corporation (1994). Awarded equipment worth \$3,500 for School of Veterinary Medicine, LSU. Area: Infrastructure enhancement.
- Internal Planning grant. Senior Personnel. Funded by the Dean of SOM and the Dean of Informatics, \$10,000, 2003-2004.

Refereed Conference Papers and Proceedings

Han, W., Mulgund, P., Sharman, R., Singh, G., Singh, R., "Self Health Management Mobile Application for Diabetic Patients and the Impact on Treatment Adherence", International Conference on Information Systems (ICIS 2014), Auckland, New Zealand, December 14-17, 2014.

Venkatesan, S., Han, W., Sharman, R., "A Response Quality Model for Online Health Communities", International Conference on Information Systems (ICIS 2014), Auckland, New Zealand, December 14-17, 2014.

Kisekka, V., Sharman, R., Rao, H. R., Upadhyaya, S., Gerber, N., "Investigating the Antecedents of Organizational Resilience in Hospitals", 5th Annual Workshop on Health IT & Economics, Washington DC, Oct. 10-11, 2014.

Venkatesan, S., Han, W., Sharman, R., Shastri, H., Singh, A., and Singh, R., "Credibility of Health Information – An Assessment of Online Diabetes Community", 5th Annual Workshop on Health IT & Economics, Washington DC, Oct. 10-11, 2014.

Han, W., Sharman, R., Singh, R., Singh, G., "Impact of Electronic Diabetes Registry Use on Care and Outcomes in Primary Care", 19th Americas Conference on Information Systems (AMCIS), Savannah, Georgia, August, 2014.

Kisekka, V., Han, W., and Sharman, R., "Utilizing the Uses and Gratification Theory to Understand Patients Use of Online Support Groups", 19th Americas Conference on Information Systems (AMCIS), Savannah, Georgia, August, 2014.

Mulgund, P., Han, W., Sharman, R., Updhy, A., Reddy, S., Vishwanath, B., Miriyapalli V., Jiwane, K., Singht, R. and Singh G., "Personalized Medication Adherence Motivating and Reminding System (PMAMRS)", Proceedings of the 9th Design Science Research in Information Systems and Technologies (DESRIST), Miami, Florida, 2014, pp 448-452.

Monteiro, J., Yuan, S., Upadhy, A., Mulgund, P., Malaviya, M. and Sharman, R., "Mass Shooting Incident Response Optimization System: Development of Situational Aware Incident Response System - Development of Situational Aware Incident Response System". Proceedings of the 9th Design Science Research in Information Systems and Technologies (DESRIST), Miami, Florida, 2014., pp 428-432

Venkatesan, S., Han, W., Kisekka, V., and Sharman, R., "Misinformation in Online Health Communities." Workshop on Information Security and Privacy (WISP), Milan, Italy, 2013.

Han, W., Sharman, R., Singh, R., Singh, G. "The Impact of Practice Size and Meaningful Use Engagement on the Usage of Clinical Decision Support Systems and Practice Productivity." Workshop Decision Support, Knowledge and Data Management Systems (AIS SIGDSS) Workshop, Milan, Italy, 2013.

Yaraghi, N., Du, A.Y., Sharman, R., Gopal, R., and Ramesh, R. "Health Information Exchange as a Multi-sided Platform: Adoption, Usage and Practice Involvement in Service Co-production," Workshop on Health Information and Economics (WHITE) , Washington, DC, November 2013.

Yaraghi, N., Du, A.Y., Sharman, R., Gopal, R., and Ramesh, R. "Now You Can See Me: A Bayesian Analysis of Disclosure of Medical Information on Health Information Exchange Networks," under review at Workshop on Information Systems and Economics (WISE) , Milan, Italy, December 2013.

Yaraghi, N., Du, A. Y., Sharman, R., Gopal, R., and Ramesh, R. "Consenting Adults: Why Do Patients Disclose Their Medical History on Health Information Exchange Platforms?," INFORMS Conference on Information Systems and Technology (CIST) , Minneapolis, MN, October 2013.

Han, W, Valecha, R., Sharman, R., Sanders, G. L., "Impact of Security and Privacy Concerns among Medicare Patients on Sharing Health Information Online", Annual Symposium for Information Assurance (ASIA 2013), Albany, New York, June 2013.

Valecha, R., Sharman, R., Rao, H. R., an Upadhyaya, S., "Collaboration Patterns in Local Emergency Communications: A "Gated" Language Action Perspective", Design Science Research in Information Systems and Technologies (DESRIST), Helsinki, Finland, June 2013.

Yaraghi, N., Du, A. Y., Sharman, R., Gopal, R., and Ramesh, R. "Interlinked Network Effects in Healthcare Information Exchange Growth," Workshop on Information Technologies and Systems (WITS), Shanghai, China, December 2011 (Nominated for the Best paper Award) .

Yaraghi, N., Du, A. Y., Sharman, R., Gopal, R., and Ramesh, R. "Modeling Practice Efficiencies in Healthcare Information Exchanges and Implications for HIE Network Growth," Workshop on Information Technologies and Systems (WITS) , Orlando, FL, December 2012.

Valecha, R., and Sharman, R., "Modeling Language for Emergency Response Systems (MLERS)", 12th Workshop on E-Business (Web 2012), Orlando, Florida, Dec. 2012 (Submitted).

Kisekka, V., and Sharman, R., "Online Healthcare Communities: A Literature Review and Classification", 12th Workshop on E-Business (Web 2012), Orlando, Florida, Dec. 2012 (Submitted).

Ngniatedema, T., Sharma, C., and Sharman, R., "Popularizing Blogs: A Deeper Understanding Using The Bass Diffusion Model", 12th Workshop on E-Business (Web 2012), Orlando, Florida, Dec. 2012 (Submitted).

Park, I., Sharman, R., and Rao, H., R., "The Role of Resilience in Information Systems in Hospitals", 12th Workshop on E-Business (Web 2012), Orlando, Florida, Dec. 2012 (Submitted).

Singh, P., Venkatesan, S., and Sharman, R., "E-Commerce Metrics: A Decade In Review", 12th Workshop on E-Business (Web 2012), Orlando, Florida, Dec. 2012.

Valecha, R., Sharman, R., Rao, H. R., Upadhyaya, S., "An Investigation of Collaborative Emergency Response Systems for the Elderly", *Proceedings of the Seventh International Conference on Design Science Research in Information Systems (DESRIST 2012)*, Las Vegas Nevada, May 14-15, 2012.

Valecha, R., Sharman, R., Rao, H. R., Upadhyaya, S., "Emergency Response System Design: An Examination of Emergency Communication Messages", *Proceedings of the Seventh International Conference on Design Science Research in Information Systems (DESRIST 2012)*, Las Vegas Nevada, May 14-15, 2012.

Valecha, R., Sharman, R., Rao, H. R., Upadhyaya, S., "Messaging Model for Emergency Communication" *Proceedings of the Mid-West Association for Information Systems (MWAIS 2012)*, Green Bay, Wisconsin, May 17-18, 2012. Awarded third place.

Valecha, R., Sharman, R., Rao, H. R., Upadhyaya, S., "Improving Emergency Dispatch Systems: An Exploration of the Effect of Resource Allocation on Message Exchange" *Proceedings of the Mid-West Association for Information Systems (MWAIS 2012)*, Green Bay, Wisconsin, May 17-18, 2012.

Valecha, R., Sharman, R., Rao, H. R., Upadhyaya, S., "Design Principles for Emergency Collaborative Systems: A Situation Awareness Study of Buffalo Plane Crash", 17th Americas Conference on Information Systems (AMCIS), Detroit, Seattle, Washington, August, 2012.

Srivastava, S., Han, W., Sharman, R., "Managing Campus Shooting Incidents through Emergency Notification Systems: An insight into the issue of student compliance", *Proceedings of the Mid-West Association for Information Systems (MWAIS 2012)*, Green Bay, Wisconsin, May 17-18, 2012.

Yaraghi, N., Du, A. Y., Sharman, R., Gopal, R., Ramesh, R., Singh, R., and Singh, G. "Professional and Geographical Network Effects on HIE growth," Workshop on Health Information and Economics (WHITE), Washington, DC, October 2012.

Yaraghi, N., Ye Du, A., Sharman, R., Gopal, R., Ramesh, R., Singh, R., & Singh, G. "Clustering Physicians Based on Professional Proximity Using SAS". In *SAS Global Forum 2012 conference, SAS Institute, Inc., Vol. Paper 184-2012, April 22-25, 2012* Orlando, Florida.: SAS Institute, Inc.,.

Han, W., Ada, S., Sharman, R., Rao, H. R., and Brennan, J., "Critical Factors Affecting Compliance to Campus Alerts", International Conference on Information Systems (ICIS 2011), Shanghai, China, December 4-7, 2011.

Xiao, N., Sharman, R., Rao, H., R., Singh R., and Singh, G., "Will 'Meaningful Use' of EMR Improve the Quality and Efficiency of Healthcare? An Exploratory Analysis of Ambulatory EMR Usage", International Conference on Information Systems (ICIS 2011), Shanghai, China, December 4-7, 2011.

Parameswaran, S., Venkateshan, S., Gupta, M., Sharman, R., and Rao, H. R., "Impact of Cloud Computing Announcements on Firm Valuation", 17th Americas Conference on Information Systems (AMCIS), Detroit, Michigan, August, 2011.

Han, W., Ada, S., Sharman, R., Rao, H. R., and Brennan, J., "Critical Success Factors to Improve Compliance with Campus Emergency Notifications", 17th Americas Conference on Information Systems (AMCIS), Detroit, Michigan, August, 2011.

Xiao, N., Sharman, R., Rao, H., R., Singh R., and Singh, G., "EHR Adoption and Patient Safety: The Role of EHR and Health Care Provider Characteristics", 17th Americas Conference on Information Systems (AMCIS), Detroit, Michigan, August, 2011.

Kisekka, V., Sharman, R., Singh, R., and Singh, G., "Misinformation in Healthcare Social Networks: Contributing Factors", 17th Americas Conference on Information Systems (AMCIS), Detroit, Michigan, August, 2011.

Gupta, M., Sharman, R., and Rao, H. R., "Framing Effects of Crisis Response Communications on Market Valuation of Breached Firms", Annual Symposium on Information Security, Albany New York, June, 2011. **Best paper Award.**

Xiao, N., Sharman, R., Singh, R., Singh, G, and Rao, H., R., "How Do EMR Functionalities Affect Health Care Outcomes? An Exploratory Analysis in Ambulatory Settings", 2011 Workshop on Health Information and Economics (WHITE), Washington DC, October 2011.

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