

## **VIJAYAN SUGUMARAN**

Department of Decision and Information Sciences  
School of Business Administration  
Oakland University  
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### **EDUCATION**

- Ph.D.* Information Technology, Department of Information and Software Systems Engineering, School of Information Technology and Engineering, George Mason University, Fairfax, VA, Spring 1993.
- M.S.* Mining Engineering, University of Alaska, Fairbanks, AK, September 1985.
- B.Tech.* Mining Engineering, Indian School of Mines, Dhanbad, India, May 1983.

### **HONORS & AWARDS**

- Oakland University Distinguished Professor, 2020
- Nominated for Michigan Association of State Universities Distinguished Professor of the Year Award, representing Oakland University
- Co-Director, Center for Data Science and Big Data Analytics, Oakland University
- Distinguished Professor of the Ministry of Public Security, People's Republic of China
- International Expert, Shanghai University SILC Business School, 2017-2020
- Editor-in-Chief, *International Journal of Intelligent Information Technologies (IJIIT)*
- Fulbright Scholar, Fulbright Specialist Program Grant, 2012
- Research Excellence Award, Oakland University, 2010
- Co-PI, Sogang Business School's World Class University Program (R31-20002) funded by Korea Research Foundation, 2010 – 2013
- AISWorld NET Challenge Award, 2007 – DSS Research Page
- Co-PI, Research Grants Council of Hong Kong, Project Number 9041217 (CityU 110207) Sep. 2007 – Aug. 2009
- Dean's Distinguished Research Professor, 2005-08.
- Outstanding Researcher, Founder's Day Recognition, 2002
- Oakland University Professional Development – Research Leave, 2004
- Oakland University Research Fellowship, 2000, 2003
- SBA Research Fellowship, Oakland University, 2001, 2004, 2006, 2007

- Best Paper Award, 4<sup>th</sup> Annual AIS Educator Conference, Copper Mountain, 2002, CO, USA.
- Nominated for Best Paper Award, Americas Conference on Information Systems, New York, NY, August 5 – 8, 2004.

## WORK EXPERIENCE

**Chair**, Department of Decision and Information Sciences, School of Business Administration, Oakland University, Rochester, Michigan (Fall 2014- Present)

**Distinguished Professor**, Department of Decision and Information Sciences, School of Business Administration, Oakland University, Rochester, Michigan (Winter 2020- Present)

**WCU Visiting Professor**, Department of Service Systems Management and Engineering, Sogang University, 1 Shinsoo-Dong, Mapo-Gu, Seoul 121-742, South Korea (2010- 2013)

**Professor**, Department of Decision and Information Sciences, School of Business Administration, Oakland University, Rochester, Michigan (Fall 2007- Present)

**Associate Professor**, Department of Decision and Information Sciences, School of Business Administration, Oakland University, Rochester, Michigan (Fall 2002- Summer 2007)

**Assistant Professor**, Department of Decision and Information Sciences, School of Business Administration, Oakland University, Rochester, Michigan (Fall 1999- Summer 2002)

**Assistant Professor**, Department of Business Administration, Le Moyne College, Syracuse, NY. (1993-Spring 1999, *granted tenure and promotion during academic year 1998 – 1999*)

**Database Analyst**, Planning and Research Corporation, McLean, Virginia. (1992-1993)

**Research Associate**, Department of Information and Software Systems Engineering, George Mason University, Fairfax, VA. (1988-1993)

**Instructor**, Department of Decision Sciences and Management Information Systems, School of Business Administration, George Mason University, Fairfax, VA. (1988, 1989, 1992)

## AREAS OF INTERESTS

- Business Intelligence, Big Data Analytics, Semantic Web, Ontologies, Web Services/SOA
- Management Information Systems, Web Technologies and E-Commerce Applications
- Intelligent Agent and Multi-agent Systems
  - Big Data Management and Data Mining, Geographic Information Systems
  - Organizational Process Modeling and Execution, Mass Customization
- Software Product Line, Component Based Development, and Software Reuse
- Knowledge-Based Systems and Intelligent Information Technologies

## TEACHING ACTIVITIES

### Courses taught at Oakland University

#### Graduate Courses

*MIS514: Systems Analysis*  
*MIS515: Systems Design*  
*MIS604: Introduction to Databases and Data Warehouses*  
*MIS606: Advanced Databases and Big Data Management*  
*MIS620: Electronic Commerce*  
*MIS622: Business Object Development*  
*MIS624: Business Application Architecture*  
*MIS6900: Deep Learning and Text Analytics*

#### Undergraduate Courses

*MIS300: Introduction to Management Information Systems*  
*MIS304: Database Management*  
*MIS315: Systems Analysis and Design*  
*MIS420: Electronic Commerce*  
*MIS422: Business Object Development*  
*MIS424: Business Application Architecture*  
*MIS426: Web Application Development*

### Courses taught at Le Moyne College

#### Graduate Courses

*MIS703: Systems Analysis and Design*  
*MIS701: Database Management Systems.*  
*MIS501: Management Information Systems*

#### Undergraduate Courses

*MIS481: Java and Javascript Programming for Internet*  
*MIS480: Database Management Systems.*  
*MIS470: Object-Oriented Business Applications Using C++*  
*MIS375: Systems Analysis and Design*  
*MIS301: Introduction to Management Information Systems*

### Courses taught at George Mason University

#### Graduate Course

*MIS610: Computer Systems for Management*

#### Undergraduate Courses

*MIS411: Management Information Systems*  
*DESC352: Methods and Models of Management Science*  
*DESC301: Decision Models in Business and Operations Management*  
*DESC200: Statistical Analysis for Decision Making I*

## RESEARCH ACTIVITIES

### Research Grants (Competitive)

**PI, SBA Summer Research Grant, Summer, 2021 (\$10,000)**

“Biomedical Named Entity Recognition (NER) for Chemical-Protein Interactions”

**PI, SBA Summer Research Grant, Summer, 2020 (\$10,000)**

“Process model understanding by novices: Sometimes a diagram is only worth a hundred words”

**Co-PI, Scheme for Promotion of Academic and Research Collaboration (SPARC), 2019 (\$75,000), Ministry of Human Resource Development, India, 2019**

“A Decision Support System for Structural Defects Diagnosis in Underground Transportation Tunnels using Semantic Technologies”

**PI, SBA Summer Research Grant, Summer, 2019 (\$10,000)**

“A Hybrid Genetic Algorithm for Software Architecture Re-Modularization”

**PI, SBA Summer Research Grant, Summer, 2018 (\$10,000)**

“Ontology and Multi-Agent based Decision Support System for Prefabricated Component Supply Chain”

**PI, SBA Summer Research Grant, Summer, 2017 (\$10,000)**

“Using Domain Ontology for Service Replacement Tasks: An Empirical Evaluation”

**Co-PI, Global Initiative on Academic Network (GIAN), 2017 (\$9000), Ministry of Human Resource Development, India, 2017**

“Big Data Analytics & Business Intelligence”

**PI, SBA Summer Research Grant, Summer, 2016 (\$10,000)**

“A Multi-Agent System for Data Sharing and Data Privacy in Healthcare”

**Co-PI, Competitive Research Grant, Research Grants Council of Hong Kong, Project Number 9042128 (CityU 11500114) Sep. 2014 – Aug. 2016 (HK\$190,000),**

**PI: Narasimha Bolloju, City University of Hong Kong.**

“Collaborative Modeling and Analysis of Enterprise-wide Information Systems Integration Requirements with Semantic Search and Reusability Guidance”

**PI, SBA Summer Research Grant, Summer, 2014 (\$10,000)**

“An Approach for Task Specific Ontology Selection on the Semantic Web”

**Fulbright Specialist Program Grant, 2012 (\$8,000)**

“Factors impacting student performance and quality of technical education in developing countries”

**PI, Sogang University Research Grant, 2011 (\$10,000)**

“Design of Adaptive Community Networks using Intelligent Information Technologies and Semantic Tools for Improving Interoperability in the Knowledge and Service Economy”

**Co-PI, Sogang Business School's World Class University Program (R31-20002) funded by Korea Research Foundation, 2010 – 2013, (US\$10 Million).**

“Service Systems Engineering for the Creation of New Growth Engine based on Knowledge Service”

**Provost's Graduate Student Research Award, 2009 (US\$2,000)**

**Supervisor for the graduate student project:**

“Flexible Process Modeling and Execution in the Healthcare Domain”

**Co-PI, Competitive Research Grant, Research Grants Council of Hong Kong, Project Number 9041217 (CityU 110207) Sep. 2007 – Aug. 2009 (HK\$559,800),**

**PI: Narasimha Bolloju, City University of Hong Kong.**

“Using Collaboration Patterns and Use Case Descriptions to Assist Novice Systems Analysts in Quality Object Modeling”

**PI, SBA Summer Research Grant, Summer, 2007 (\$8,500)**

“Object Modeling using Collaboration Patterns and Use Case Descriptions”

**PI, SBA Summer Research Grant, Summer, 2006 (\$8,500)**

“Modeling Web Service Profiles for the Semantic Web: A UML Based Approach”

**PI, SBA Summer Research Grant, Summer, 2004 (\$7,000)**

“Supporting Database Designers in Entity-Relationship Modeling: An Ontology-Based Approach”

**PI, Oakland University Summer Research Grant, Summer, 2003 (\$8,500)**

“A Heuristic-based Approach for Query Augmentation in the Semantic Web”

**Co-PI, Oakland University, Office of Enrollment Management, 2002 (\$13,600)**

“Analysis of Enrollment and Student Data,” (With Bhargava, M., and Rajagopalan, B.)

**PI, SBA Summer Research Grant, Summer, 2001 (\$8,000)**

“An Architecture-Centric Approach to Multi-Agent System Development and Application”

**PI, Oakland University Summer Research Grant, Summer, 2000 (\$7,500)**

“A Domain Model Based Approach to Reuse in Component Based Software Development”

## **Keynote Speeches**

“Integrating Mixed Reality and Artificial Intelligence into Building Information Modeling: A Collaborative Tunnel Emergency Drill Management System,” 2021 International Conference on Multi-modal Information Analytics (MMIA 2021), Inner Mongolia University, Huhehaote, China, April 23-24, 2021.

“Data Analytics and Privacy Issues for Wearable Technologies in Healthcare,” International Conference on Cyber Security Intelligence and Analytics (CSIA2021), Shenyang, China, March 19-20, 2021.

“Data Management and Analytics for Wearable Technologies,” International Virtual Conference on Wearable Technologies & Applications: Emerging Trends and Innovations (WeTA2020), Vellore Institute of Technology, Vellore, India, June 26 - 27 2020.

“Detecting the States of Emergency Events Using Web Resources,” 24th International Conference on Applications of Natural Language to Information Systems (NLDB 2019), Salford, UK, June 26–28, 2019.

“The Role of Community Acceptance in Assessing Ontology Quality,” International Conference of Applications and Techniques in Cyber Intelligence (ATCI 2019), Anhui University of Science and Technology, Huainan, China, June 22-24, 2019.

“Recent Trends, Developments and research focus in artificial Intelligence & Computer Vision,” International Symposium on Artificial Intelligence & Computer Vision (AICV-2018), Anna University, Chennai, India, September 26-28, 2018.

“Development and Application of Automotive Safety Related Ontology through Text Analytics,” International Conference on Data Analytics and Business Intelligence (ICDABI '18), Chennai, India, July 16 – 17, 2018.

“Repurposing Social Tagging Data for Extraction of Domain-level Concepts and Relationships,” International Conference on Computational Methods & Software Engineering (CoMSE 2015), Chennai, India, December 28 – 30, 2015.

“Tamil Computing and Big Data,” 14<sup>th</sup> Tamil Internet Conference, 2015, Singapore, 30<sup>th</sup> May – 1<sup>st</sup> June.

“21st Century Education and Design of E-Learning Systems,” International Workshop on Teaching and Learning, Dec. 19, 2011, B. S. Abdur Rahman University, Chennai, India.

“Intelligent Information Technology and Mobile Advertisement,” 2011 Fall Mobile Terminal Management and Advertisement Technology Forum, Nov. 17 – 18, 2011, Busan, South Korea.

### **Conference Workshops, Tutorials and Webinars**

Sugumaran, V., Harroun, J. “Workshop: AI and Deep Learning using SAS Viya,” Online Americas Conference on Information System (AMCIS 2020), August 12, 2020.  
[https://aisel.aisnet.org/amcis2020/select\\_recordings\\_from\\_conference/select\\_recordings\\_from\\_conference/8](https://aisel.aisnet.org/amcis2020/select_recordings_from_conference/select_recordings_from_conference/8)

Freeze, R., Sugumaran, V., Cazier, J., Iyer, L. “Workshop: Analytics in the Curriculum,” Americas Conference on Information Systems (AMCIS 2020), August 11, 2020.

Sugumaran, V. “Role of Artificial Intelligence in Fighting Covid-19,” International Webinar-Organized by Vinayaka Missions Research Foundation, Chennai, India, June 11, 2020.

Sugumaran, V. "Service Systems Analysis and Implementation," Tutorial, The Korean Operations Research and Management Science Society (KORMS) Fall Conference, October 28, 2011, Konkuk University, Seoul, Korea.

Sugumaran, V., Moroz, C., "Knowledge Management – Introduction, Architecture and Application," Tutorial, 4<sup>th</sup> Fall Conference on Managing Information Technologies, October 11 – 13, 2001, Oakland University, Rochester, MI.

## Refereed Journal Publications

- Leukel, J., Sugumaran, V. "How Novices Understand Supply Chain Process Models: Experimental Study on Using Diagrams and Texts," *Journal of Enterprise Information Management* (forthcoming).
- Attili, V S P., Mathew, S., Sugumaran, V. "Information Privacy Assimilation in IT Organizations," *Information Systems Frontiers* (forthcoming).
- Leukel, J., Schehl, B., Sugumaran, V. "Digital inequality among older adults: Explaining differences in the breadth of Internet use," *Information, Communication and Society* (forthcoming).
- Wang, X., Chang, Y., Sugumaran, V., Luo, X., Wang, P., Zhang, H. "Implicit Emotion Relationship Mining Based on Emotion Recognition from Multimodal Data," *IEEE Multimedia* (forthcoming).
- Mu, L. F., Tang, X., Sugumaran, V., Sun, X., Xu, W. "Optimal Rebate Strategy for an Online Retailer with a Cashback Platform: Commission-driven or Marketing-based?" *Electronic Commerce Research* (forthcoming).
- Wang, X., Kou, L., Sugumaran, V., Lou, X., Zhang, H. "Inter-Sentiment Correlation Mining for Web Social Event," *IEEE Transactions on Cybernetics* (forthcoming).
- Jing, N., Wu, Z., Lyu, S., Sugumaran, V. "Information Credibility Evaluation in Online Professional Social Network Using Tree Augmented Naïve Bayes Classifier," *Electronic Commerce Research* (forthcoming).
- Yu, G., Mao, Z., Hu, M., Li, Z., Sugumaran, V. "BIM+ topology diagram-driven Multi-utility Tunnel emergency response," *Journal of Computing in Civil Engineering* (forthcoming).
- Masood, M. D. M., Manjula, D., Sugumaran, V. "Identification of New Disease Genes from Protein-Protein Interaction Network," *Journal of Ambient Intelligence and Humanized Computing* (forthcoming).
- Liu, Q., Mu, L. F., Sugumaran, V., Wang, C., Han, D. "Pair-wise ranking based preference learning for Points-of-interest Recommendation," *Knowledge-Based Systems*, Vol. 225, 2021, 107069.
- Widmer, T., Karaenke, P., Sugumaran, V. "Two-sided service markets: Effects of quality differentiation on market efficiency," *Managerial and Decision Economics*, 2021; 42:588–604.

- Du, J., Dong, P., Sugumaran, V., Castro-Lacouture, D. "Dynamic Production Scheduling for Prefabricated Components: A Genetic Algorithm and Multi-Agent System based Approach," *Expert Systems*, Vol. 38, No. 1, 2021, e12533.
- Yu, G., Wang, Y., Hu, M., Shi, L., Mao, Z., Sugumaran, V. "RIOMS: An Intelligent Operation and Maintenance of Urban Roads Using spatio-temporal Data in Smart Cities," *Future Generation Computer Systems*, 2021, 115: 583-609.
- Jing, N., Liu, Q., Sugumaran, V. "A Blockchain-Based Code Copyright Management System," *Information Processing and Management*, Vol. 58, No. 3, 2021, pp. 102518.
- Masood, M. D. M., Manjula, D., Sugumaran, V. "An Efficient Algorithm for Identifying (ℓ, d) Motif from Huge DNA Datasets," *Journal of Ambient Intelligence and Humanized Computing*, Vol. 12, No. 1, 2021, pp. 485-495.
- Veeramanikandan, M., Sankaranarayanan, S., Rodriques, J., Sugumaran, V., Kozlov, S. "Data Flow and Distributed Deep Neural Network Based Low Latency IoT-Edge Computation Model for Big Data Environment," *Engineering Applications of Artificial Intelligence*, 94: 103785 (2020).
- Sudhakaran, G., Manjula, D., Sugumaran, V. "Character Level and Word Level Embedding With Bidirectional LSTM - Dynamic Recurrent Neural Network for Biomedical Named Entity Recognition from Literature," *Journal of Biomedical Informatics*, 112: 103609 (2020).
- Xu, Z., Cheng, C., Sugumaran, V. "Big Data Analytics of Crime Prevention and Control Based on Image Processing upon Cloud Computing," *Journal of Surveillance, Security and Safety*, Vol. 1, No. 1, 2020, pp. 16-33.
- Du, J., Jing, H., Choo, K. K. R., Sugumaran, V., Castro-Lacouture, D. "An Ontology and Multi-Agent based Decision Support Framework for Prefabricated Component Supply Chain," *Information Systems Frontiers*, Vol. 22, No. 6, 2020, pp. 1467-1485.
- Mu, L. F., Sugumaran, V., Wang, F. "A Hybrid Genetic Algorithm for Software Architecture Re-Modularization," *Information Systems Frontiers*, Vol. 22, No. 5, 2020, pp. 1133-1161.
- Du, J., Jing, H., Castro-Lacouture, D., Sugumaran, V. "Multi-agent Simulation for Managing Design Changes in Prefabricated Construction Projects," *Engineering, Construction and Architectural Management*, Vol. 27 No. 1, 2019, pp. 270-295.
- Hu, M. Liu, Y., Sugumaran, V., Liu, B. "Automated Structural Defects Diagnosis Using Semantic Technologies in Underground Transportation Tunnels," *Automation in Construction*, Vol. 107, 2019, Article 102929.
- Schehl, B., Leukel, J., Sugumaran, V. "Understanding Differentiated Internet Use in Older Adults: A Study of Informational, Social, and Instrumental Online Activities," *Computers in Human Behavior*, Vol. 97, 2019, pp. 222-230.
- Kim, N., Lee, Y., Sugumaran, V., Park, S. "Value-Driven use Cases Triage for Embedded Systems: A Case Study of Cellular Phone" *International Journal of Advanced Computer Science and Applications (IJACSA)*, Vol. 10, No. 5, 2019, pp. 723-728.



- Li, L., Sugumaran, V. "A Cognitive-based AES Model Towards Learning Written English," *Journal of Ambient Intelligence and Humanized Computing*, Vol. 10, No. 5, 2019, pp. 1811-1820.
- Arunarani, A. R., Manjula, D., Sugumaran, V. "Task scheduling techniques in cloud computing: A literature survey," *Future Generation Computer Systems*, Vol. 91, 2019, pp. 407-415.
- Leukel, J., Sugumaran, V. "How product representation influences the understanding of supply chain process models," *Enterprise Information Systems*, Vol. 12, No. 10, 2018, pp. 1285-1307.
- Beaulah, M. R. P., Manjula, D., Sugumaran, V. "Categorization of Images using Autoencoder Hashing and Training of Intra Bin Classifiers for Image Classification and Annotation," *Journal of Medical Systems*, Vol. 42, No. 7, 2018, pp. 132:1-132:15.
- McDaniel, M., Storey, V., Sugumaran, V. "Assessing the quality of domain ontologies: Metrics and an automated ranking system," *Data & Knowledge Engineering*, Vol. 115, 2018, pp. 32-47.
- Wang, X., Sugumaran, V., Zhang, H., Xu, Z. "A Capability Assessment Model for Emergency Management Operations," *Information Systems Frontiers*, Vol. 20, No. 4, 2018, pp. 653-667.
- Xu, Z., Luo, X., Liu, Y., Hu, C., Mei, L., Yen, N., Choo, K. K. R., Sugumaran, V. "From Latency, through Outbreak, to Decline: Detecting the States of Emergency Events Using Web Media Big Data," *IEEE Transactions on Big Data*, Vol. 4, No. 2, 2018, pp. 245-257.
- Yu, G., Liu, J., Du, J., Hu, M., Sugumaran, V. "An Integrated Approach for Massive Sequential Data Processing in Civil Infrastructure Operation and Maintenance," *IEEE Access*, Vol. 6, No. 1, 2018 pp. 19739-19751.
- Attili, P. V. S., Mathew, S. K., Sugumaran, V. "Understanding Information Privacy Assimilation in IT Organizations using Multi-Site Case Studies," *Communications of the Association for Information Systems*, Vol. 42, Article 4, 2018, pp. 66 – 94.
- Jing, N., Jiang, T., Du, J., Sugumaran, V. "Personalized Recommendation Based on Customer Preference Mining and Sentiment Assessment from Chinese E-Commerce Websites," *Electronic Commerce Research*, Vol. 18, No. 1, 2018, pp. 159-179.
- Arunarani, A. R., Manjula, D., Sugumaran, V. "FBAT-SCAS: A Security and Cost Aware Workflow Scheduling Approach Combining Firefly and Bat Algorithms," *Concurrency and Computation: Practice and Experience*, Vol. 29, No. 24, 2017, pp. 1 – 13.
- Balijepally, V., DeHondt, J., Sugumaran, V., Nerur, S. "Value Proposition of Agility in Software Development – An Empirical Investigation," *Journal of Database Management*, Vol. 28, No. 4, 2017, pp. 40 - 59.
- Sugumaran, V., Geetha, T.V., Manjula, D., Gopal, H. "Guest Editorial: Computational Intelligence and Applications," *Information Systems Frontiers*, Vol. 19, No. 5, 2017, pp. 969-974

- Rothenberger, M., Jain, H., Sugumaran, V. "A Platform-Based Design Approach for Flexible Software Components," *Journal of Information Technology Theory and Application*, Vol. 18, No. 2, 2017, pp. 29 – 56.
- Sathiya, B., Geetha, T.V., Sugumaran, V. "A Metric based Automatic Selection of Ontology Matcher Using Bootstrapped Patterns," *Journal of Web Engineering*, Vol. 16, No.7&8, 2017, pp. 619-652.
- Gao, X. Z., Sangaiah, A. K., Sugumaran, V. "Editorial: Cloud based cyber-physical systems in the design of next-generation digital systems," *Intelligent Automation & Soft Computing*, Vol. 23, No. 3, 2017, pp. 475–476.
- Du, J., Sugumaran, V., Gao, B. "RFID and Multi-Agent Based Architecture for Information Sharing in Prefabricated Component Supply Chain," *IEEE Access*, Vol. 5, No. 1, 2017, pp. 4132 – 4139.
- Du, J., Sugumaran, V. "Clustering and Ontology-Based Big Data Integration Framework for Surface Subsidence Risk Mitigation in Underground Tunnels," *Cluster Computing*, Vol. 19, No. 4, 2016, pp. 2001 – 2014.
- Suganya Devi, R., Manjula, D., Sugumaran, V. "Efficient Indexing Structure to Handle Durable Queries through Web Crawling," *Cluster Computing*, Vol. 19, No. 3, 2016, pp. 1347-1358.
- Wimmer, H., Yoon, V., Sugumaran, V. "A Multi-Agent System to Support Evidence Based Medicine and Clinical Decision Making via Data Sharing and Data Privacy," *Decision Support Systems*, Volume 88, 2016, pp. 51 – 66.
- Xu, Z., Zhang, H., Sugumaran, V. Choo, K. K. R., Mei, L., Zhu, Y. "Participatory Sensing based Semantic and Spatial Analysis of Urban Emergency Events using Mobile Social Media," *EURASIP Journal on Wireless Communications and Networking*, 2016:44, pp. 1 – 9.
- Xu, Z., Zhang, H., Hu, C., Mei, L., Xuan, J., Choo, K. K. R., Sugumaran, V., Zhu, Y. "Building Knowledge Base of Urban Emergency Events based on Crowdsourcing of Social Media," *Concurrency and Computation: Practice and Experience*, Vol. 28, No. 15, 2016, pp. 4038 – 4052.
- Kim, J., Naylor, G., Sivadas, E., Sugumaran, V. "The Unrealized Value of Incentivized eWOM Recommendations," *Marketing Letters*, Vol. 27, No. 3, 2016, pp. 411 – 421.
- Xu, Z., Wei, X., Liu, Y., Mei, L., Hu, C., Choo, K. K. R., Zhu, Y., Sugumaran, V. "Building the search pattern of web users using conceptual semantic space model," *International Journal of Web and Grid Services*, Vol. 12, No. 3, 2016, pp. 328-347.
- Krishnaraju, V., Mathew, S. K., Sugumaran, V. "Web Personalization for User Acceptance of Technology: An Empirical Investigation of E-Government Services," *Information Systems Frontiers*, Vol. 18, No. 3, 2016, pp. 579-595.
- Kim, D., Yim, M., Sugumaran, V., Rao, H. R. "Web Assurance Seal Services, Trust and Consumers' Concerns: An Investigation of E-Commerce Transaction Intentions across Two Nations," *European Journal of Information Systems*, Vol. 25, No. 3, 2016, pp. 252-273.

- Zhang, X., Sugumaran, V. "Content Based Search Engine for Historical Calligraphy Images," *International Journal of Intelligent Information Technologies*, Vol. 10, No. 3, 2014, pp. 1 – 18.
- Byun, J., Rhew, S., Hwang, M., Sugumaran, V., Park, S.Y., Park, S.J. "Metrics for Measuring the Consistencies of Requirements with Objectives and Constraints," *Requirements Engineering*, Vol. 19, No. 1, 2014, pp 89-104.
- Lee, Y.C., Hanh, N.T., Sugumaran, V. "Open Source CRM Software Selection Using the Analytic Hierarchy Process," *Information Systems Management*, Vol. 31, No. 1, 2014, pp. 2 – 20.
- Othman, S. H., Beydoun, G., Sugumaran, V. "Development and Validation of Disaster Management Metamodel (DMM)," *Information Processing & Management*, Vol. 50, No. 2, 2014, pp. 235 – 271.
- Leukel, J., Sugumaran, V. "Formal Correctness of Supply Chain Design," *Decision Support Systems*, Vol. 56, No. 1, 2013, pp. 288 – 299.
- Beydoun, G., Xu, D., Sugumaran, V. "Service Oriented Architectures (SOA) Adoption Challenges," *International Journal of Intelligent Information Technologies*, Vol. 9, No. 2, 2013, pp. 1 – 6.
- Warkentin, M., Sugumaran, V., Sainsbury, R. "The Role of Intelligent Agents and Data Mining in Electronic Partnership Management," *Expert Systems with Applications*, Vol. 39, No. 18, 2012, pp. 13277 – 13288.
- Bolloju, N., Schneider, C., Sugumaran, V. "A knowledge-based system for improving the consistency between object models and use case narratives," *Expert Systems with Applications*, Vol. 39, No. 10, 2012, pp. 9398 – 9410.
- Callaghan, J., Nehmer, R., Sugumaran, V. "Modeling Business Applications with XBRL and UML," *International Journal of Business Information Systems*, Vol. 10, No. 1, 2012, pp. 68 – 92.
- Bolloju, N., Sugumaran, V. "A Knowledge-based Object Modeling Advisor for Developing Quality Object Models," *Expert Systems with Applications*, Vol. 39, No. 3, 2012, pp. 2893 – 2906.
- Choi, S., Park, S., Sugumaran, V. "A Rule-Based Approach for Estimating Software development cost Using Function Point and Goal and Scenario Based Requirements," *Expert Systems with Applications*. Vol. 39, No. 1, 2012, pp. 406 – 418.
- Sharma, S., Sugumaran, V. "A Framework for Enhancing Systems Security," *Journal of Information Privacy and Security*, Vol. 7, No. 4, 2011, pp. 3 – 22.
- Wang, M., Jia, H., Sugumaran, V., Ran, W., Liao, J. "A Web-Based Learning System for Software Test Professionals," *IEEE Transactions on Education*, Vol. 54, No. 2, 2011, pp. 263 – 272.
- Mohan, K., Ramesh, B., Sugumaran, V. "Successful Practices in Integrating Software Product Line Engineering and Agile Development Methods," *IEEE Software*, Vol. 37, No. 3, 2010, pp. 48 – 55.

- Conesa, J., Storey, V.C., Sugumaran, V. "Usability of Upper Level Ontologies: The Case of ResearchCyc," *Data and Knowledge Engineering*, Vol. 69, No. 4, 2010, pp. 343 – 356.
- Leukel, J., Sugumaran, V. "A Semiotic Metrics Suite for Product Ontology Evaluation," *International Journal of Intelligent Information Technologies*, Vol. 5, No. 4, October – December 2009, pp. 1 – 15.
- Sugumaran, V., Shriram, R., Vivekanandan, K. "Mobile Community Networks: Evolution and Challenges," *International Journal of Mobile Computing and Multimedia Communications*, Vol. 1, No. 2, 2009, pp. 61 – 79.
- Shriram, R., Sugumaran, V., Vivekanandan, K. "A Middleware for Information Processing in Mobile Computing Platforms," *International Journal of Mobile Communications*, Vol. 6, No. 5, 2008, pp. 646 – 666.
- Kapetanios, E., Sugumaran, V., Tanase, D. "Multi-Lingual Web Querying: A Parametric Linguistics Based Approach," *Data and Knowledge Engineering*, Vol. 66, No. 1, 2008, pp. 35 – 52.
- Conesa, J., Storey, V.C., Sugumaran, V. "Using Semantic Knowledge to Improve Web Query Processing," *Data and Knowledge Engineering*, Vol. 66, No. 1, 2008, pp. 18 – 34.
- Storey, V.C., Burton-Jones, A., Sugumaran, V., Purao, S. "CONQUER: A Methodology for Context-Aware Query Processing on the World Wide Web," *Information Systems Research*, Vol. 19, No. 1, March 2008, pp. 3 – 25.
- Sugumaran, V., Tanniru, M., Storey, V.C. "A Knowledge-Based Framework for Extracting Components in Agile Systems Development," *Information Technology & Management*, Vol. 9, No. 1, 2008, pp. 37 – 53.
- Kim, J., Park, S., Sugumaran, V. "DRAMA: A Framework for Domain Requirements Analysis and Modeling Architectures in Software Product Lines," *Journal of Systems and Software*, Vol. 81, No. 1, 2008, pp. 37 – 55.
- Sugumaran, V., Sugumaran, R. "Web-based Spatial Decision Support Systems (WebSDSS): Evolution, Architecture, Examples and Challenges," *Communications of AIS*, Vol.19, Article 40, 2007, pp. 844 – 875.
- Kim, M., Park, S., Sugumaran, V., Yang, H. "Managing Requirements Conflicts in Software Product Lines: A Goal and Scenario Based Approach," *Data and Knowledge Engineering*, Vol. 61, No. 3, 2007, pp. 417-432.
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- Bose, R., Sugumaran, V. “Semantic Web for E-Business,” *Decision Sciences Institute Annual Conference*, San Francisco, CA, November 19 – 22, 2005, pp. 16431 – 16436.
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- Sugumaran, R., Sugumaran, V., Salim, M., Villavicencio, A. “An Agent-Based Spatial Decision Support System for Snow Removal Asset Management: A Web-Based Approach,” *Americas Conference on Information Systems*, New York, NY, August 5 – 8, 2004, pp. 2176 – 2183. (**Nominated for Best Paper Award**)
- Kim, J., Park, S., Sugumaran, V. “A Linguistics-Based Approach for Use Case Driven Analysis Using Goal and Scenario Authoring,” *International Workshop on Applications of Natural Language to Information Systems (NLDB2004)*, Manchester, UK, June 23 – 25, 2004, pp. 159 – 170.
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- Setzekorn, K., Sugumaran, V., Patnayakuni, N., Sung, J. "Implementation Resistance Factors for Decision Making Support Systems: A Comparative Analysis," *Decision Sciences Institute Annual Conference*, San Diego, CA, November 23 – 26, 2002, pp. 186 – 191.
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- Park, S., Sugumaran, V. "Goal-Oriented Analysis for Web Services Application Development," *Americas Conference on Information Systems*, Dallas, TX, August 9 – 11, 2002, pp. 1484 – 1488.

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- Sugumaran, V., "Retrieving and Reusing Components During Systems Development," *Proceedings of Decision Sciences Institute Annual Conference*, San Francisco, CA, November 17-20, 2001, pp. 1028 – 1030.
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- Sugumaran, V., Arogyaswamy, B., “Models of Information Technology Deployment: The Link to Measures of Success,” *Proceedings of the International Conference On Delivering Service Quality: Managerial Challenges for the 21<sup>st</sup> Century*, Ahmedabad, India, Dec. 28-29, 1999, pp. 473-482.
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- Sugumaran, V., “Application of Intelligent Agent Technology in Geographic Information Systems,” *Proceedings of Decision Sciences Institute Annual Conference*, 1998, November 21-24, Las Vegas, pp. 666 – 668.
- Bose, R., Sugumaran, V., “IDM: An Intelligent Software Agent Based Data Mining Environment,” *Proceedings of IEEE International Conference on Systems, Man, and Cybernetics*, 1998, October 11-14, San Diego, CA, pp. 2888 – 2893.
- Sugumaran, V., “A Distributed Intelligent Agent-Based Spatial Decision Support System,” *Proceedings of Association for Information Systems Americas Conference*, 1998, August 14-16, Baltimore, MD, pp. 403-405.
- Sugumaran, V., “An Intranet Based Intelligent Agent Approach to Organizational Process Modeling and Execution,” *Proceedings of Decision Sciences Institute Annual Conference*, 1997, November 22-25, San Diego, pp. 509-511.
- Khambekar, P., Sugumaran, V., Tanniru, M., Storey, V., “Knowledge-Based Support for Systems Analysis Using Domain Models,” *Proceedings of the 6<sup>th</sup> Workshop on Information Technologies and Systems*, 1996, Dec. 14-15, Cleveland, pp. 299-303.
- Sugumaran, V., “Enhancing an Image Database with Web Based Full-Text Search Engine,” *Proceedings of Decision Sciences Institute Annual Conference*, 1996, November 23-26, Orlando, pp. 768-770.
- Sugumaran, V., “Interfacing Relational Databases with World Wide Web,” *Proceedings of North East Decision Sciences Institute’s Annual Conference*, 1996, April 17-19, St. Croix, pp. 316-318. **(Nominated for Best Paper Award)**

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- Sugumaran, V., “A Knowledge-Based Tool for System Development from Domain Models,” *Proceedings of the Decision Sciences Institute’s Annual Conference*, 1994, Honolulu, Hawaii, November 20-23, pp. 772-774.
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- Gomaa, H., Kerschberg, L., Sugumaran, V., “Domain Modeling Concepts and Target System Specification Generation,” *Proceedings of NASA/Goddard Conference on Space Applications of Artificial Intelligence*, 1992, May, pp. 181-194.
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- Gomaa, H., Kerschberg, L., Bosch, C., Sugumaran, V., Tavakoli, I., “Towards A Software Engineering Environment for Domain Modeling and Reuse,” *Proceedings of Fourth Annual Workshop on Software Reuse*, 1991, IEEE Computer Society, Reston, Virginia, November 18-22, pp. 1-6.
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- Sugumaran, V., “Object Oriented Databases: Prototypes and Commercial Systems,” *Proc. of the Workshop on Object-Oriented Methodologies For The Earth Sciences: A World of Objects*, U. S. Geological Survey, Reston, Virginia, January 1990.
- Skudryzk, F., Barker, J.C., Sugumaran, V., “Disintegration of Frozen Granular Materials Using High Pressure Water Jets,” *Proceedings of the 5th International Cold Regions Engineering Specialty Conference*, St. Paul, Minnesota, February 6-8, 1989. pp. 320-334.
- Sugumaran, V., Skudryzk, F., “Application of Water Jets as an Underground Mining Method in Permafrost: An Alternative to Dredging,” *Proceedings of the 8th Placer Mining Conference*, 1986, Fairbanks, Alaska, April.

## SERVICE ACTIVITIES

### Professional Services

#### Editor-in-Chief

- *International Journal of Intelligent Information Technologies (IJIIT)*

**Program Co-Chair**, Midwest Association for Information Systems Annual Conference, Oshkosh, WI, 2019.

**Program Co-Chair**, 24<sup>th</sup> International Conference on application of Natural Language to Information systems (NLDB 2019), Salford University, Manchester, England, June 26-28, 2019.

**International Program Co-Chair**, Australian Conference on Information Systems, Sydney, Australia, 2018.

**Program Co-Chair**, 5<sup>th</sup> IEEE International Conference on Big Data Service and Applications (BDS 2019).

**Honorary Chair**, 3<sup>rd</sup> International Conference on Intelligent Information Technologies (ICIIT 2018), Anna University, Chennai, India, December 11-14, 2018.

**General Chair**, 2<sup>nd</sup> International Conference on Intelligent Information Technologies (ICIIT 2017), Anna University, Chennai, India, December 20-22, 2017.

**Program Co-Chair**, Workshop on Big Data Research and Development in Knowledge Engineering, in conjunction with SEKE2017, Wyndham Pittsburgh University Center, Pittsburgh, USA, July 5 - July 7, 2017.

**Poster and Prototype Demos Chair**, Workshop on Information Technology and Systems, (WITS 2017), December 14-15, 2017, Seoul, South Korea.

**Track Chair**, Intelligent Agent and Multi-Agent Systems Track, Americas Conference on Information Systems, 2000 – 2021

**Program Co-Chair**, 21<sup>st</sup> International Conference on application of Natural Language to Information systems (NLDB 2016), Salford University, Manchester, England, June 22-24, 2016.

**Program Co-Chair**, 14<sup>th</sup> Workshop on e-Business (WeB 2015), Fort Worth, Texas, December 12, 2015.

**Program Co-Chair**, 18th International Conference on application of Natural Language to Information systems (NLDB 2013), Salford University, Manchester, England, June 2013.

**Program Co-Chair**, 13th International Conference on Applications of Natural Language to Information Systems (NLDB 2008), June 24 – 27, 2008, London, UK.

**Workshop Co-Chair**, International Workshop on Software and Services for IT Convergence (SSIC 2011, SSIC 2012), Jeju, South Korea, May 23, 2011, and July 16, 2012 respectively.

**President**, AIS Special Interest Group on Ontology Driven Intelligent Systems (SIGODIS), 2012-2015.

**Vice President of AMCIS Events**, AIS Special Interest Group on Agent-Based Info. Systems (SIGABIS), 2005 - present

**Information Technology Feature Editor**, Decision Line

**ISWORLD, DSS Research Website Co-Editor**

**Editorial Review Board Member**

- Journal of Electronic Commerce in Organizations

- Journal of Computer Information Systems
- Journal of International Technology and Information Management
- International Journal of Web Services Research
- Information Systems Management
- Journal of Database Management
- Information Systems Frontiers
- Data and Knowledge Engineering

**Track Co-Chair**, Service-Based Information Systems Track, Australasian Conference on Information Systems (ACIS), Sydney, Australia, 30th November - 2nd December, 2011.

**Track Co-Chair**, Information Technology Service Management, Service Computing and Engineering Track, Conf-IRM, June 12-14, 2011, Seoul, Korea.

**Track Co-Chair**, Service Science and Information Systems Track, 15th Pacific Asia Conference on Information Systems (PACIS 2011), Brisbane, Australia, July 9-11, 2011.

**Tutorials/Workshops Co-Chair**, Americas Conference on Information Systems (AMCIS 2011), Detroit, MI, August 4 -7, 2011.

**IT Committee Chair**, Decision Sciences Institute, 2007 – 2010

**Track Chair**, Intelligent Information Systems, IRMA 2001, 2002, 2005, 2006, 2007

**Track Chair**, Ecommerce Track, DSI Annual Meeting, Boston, MA, November 2004.

**Poster/Demo Chair**, Workshop on E-Business (WeB 2006, 2007)

**Prototype Chair**, Workshop on Information Systems and Technologies (WITS), 2007

**Tutorials Co-Chair**, International Conference on Conceptual Modeling, 2002.

**VP for Web Management**, Special Interest Group on E-Business, 2007 – 2010

**SIGDSS, Resources Chair**, 2002-2005

**Program Committee Member:**

- Associate Editor, International Conference on Information Systems (ICIS), 2001, 2005, 2006, 2009, 2011
- Workshop on E-Business (WeB), 2005 – 2009, 2015-2019
- International Workshop on Variability Modeling of Software-Intensive Systems (VAMOS), 2008 – 2009
- International Workshop on Conceptual Modeling Approaches for E-Business (ECOMO), 2009.
- International Conference on Ontologies, DataBases, and Applications of Semantics (ODBASE), 2009.
- International Conference on Adaptive Business Information Systems (ABIS), 2009.
- International Workshop on Dynamic Software Product Lines (DSPL), 2008–2009.
- International Conference on Enterprise Information Systems (ICEIS), 2005 – 2014
- Midwest AIS Conference, 2006, 2008
- IADIS International Conference on E-Society, 2003 – 2016

- International Conference on Applications of Natural Language to Information Systems (NLDB), 1999 – 2014
- International Workshop on Engineering Semantic Agent Systems (ESAS), 2006-2016.
- International Workshop on Experience Management and Engineering (EME), 2006
- International Conference on Innovations in Information Technology (IIT'05)
- IEEE International Conference on Web Services (ICES), 2004
- Agent Technology in Business Applications (ATeBA-04), 2004
- Workshop on Information Technologies and Systems (WITS) 2000, 2001, 2007
- International Conference on Conceptual Modeling (E-R), 2000, 2002, 2003, 2007, 2013.
- INFORMS Conference on Information Systems and Technology (CIST), 2001

**Cluster Coordinator**, Institute for Operations Research and Management Sciences Annual Conference, 1996, May 5-8, Washington D. C.

**Session Chair**, Institute for Operations Research and Management Sciences Annual Conference, 1996, May 5-8, Washington D. C.

**Session Chair**, Decision Sciences Institute's Annual Conference.

**Discussant**, Decision Sciences Institute's Annual Conference.

**Discussant**, North East Decision Sciences Institute's Annual Conference.

#### **Ph.D Dissertation Committee Member**

- Karthikeya Challa, School of Engineering and Computer Science, Oakland University
- Dingwang Wang, School of Engineering and Computer Science, Oakland University
- Zirun Qi, Georgia State University, Atlanta, USA.
- Melinda L. McDaniel, Georgia State University, Atlanta, USA.
- Stephen Russell, University of Maryland Baltimore County.
- Diana Tanase, University of Westminster, London, UK.

#### **External Examiner for Ph.D Dissertation**

- Preeti Tamrakar, Vellore Institute of Technology, India, 2020
- Lakshmi K.S., SRM Institute of Science and Technology, India, 2020
- Gokul Krishnan, National Institute of Technology Karnataka, India, 2020
- Kushal Saha, Indian Institute of Management, Calcutta, India, 2020
- Mahesh Balan, Indian Institute of Technology-Madras, India, 2019
- Sung Lee, University of New South Wales, Sydney, Australia, 2019
- Richard Rannard, University of New South Wales, Sydney, Australia, 2018
- Rajbabu, National Institute of Technology, Trichy, India, 2018
- Christeena Joseph, Saveetha University, Tamil Nadu, India, 2018
- N. Vivekananthamoorthy, Hindustan University, Tamil Nadu, India, 2017
- Deepak Dahiya, Indian Institute of Technology, Madras, India, 2017
- Amy Louise Affleck, Curtin University, Perth, Australia, 2016



- S. Pavithra, Anna University, Chennai, India, 2016
- E. Umamaheswari, Anna University, Chennai, India, 2014
- K. S. Kuppusamy, Pondicherry University, Pondicherry, India, 2013
- Aisha Banu, Anna University, Chennai, India, 2010
- Kafui Andre Monu, University of British Columbia, Vancouver, Canada, 2009
- Felix Leung, City University of Hong Kong, 2007
- Jordi Conesa, Technical University of Barcelona, Barcelona, Spain, 2006

#### **National/International Reviewer for Funding Agencies**

- United Kingdom-India Education and Research Initiative, 2016
- Fulbright Specialist Program, 2012 – 2014.
- Czech Science Foundation, Grant Proposal Evaluator, 2013
- Catalyst Grant Program, University of Wisconsin Milwaukee Research Foundation
- National Science Foundation, Career Award Panel, Division of Computing and Communication Foundation, 2007
- Fonds de Recherche sur la Nature et Technologies, Quebec, Canada, 2006.
- Transport Research Program, Department of Public Enterprise, Ireland, 2002.

#### **External Reviewer for Tenure and Promotion Applications**

- Department of Management Science and Information Systems, University of Massachusetts, Boston, 2020
- Department of Information Systems, College of Business, University of Nevada, Reno, 2019
- School of Computing, Science and Engineering, Salford University, Manchester, UK, 2018
- Department of Information Technology, College of Engineering and Computing, Georgia Southern University, P.O. Box 8150, Statesboro, GA 30460, 2018
- Department of IT and Decision Sciences, Old Dominion University, Norfolk, Virginia 23529, USA, 2017
- School of Business and Economics, Michigan Technological University, Houghton, MI 49931, USA, 2017
- Information Systems and Operations Management, Raj Soin College of Business, Wright State University, Dayton, OH, 2017
- College of Management, University of Massachusetts Boston, 2015
- Baruch College, The City University of New York, 2014
- Business School, University of Colorado at Denver and Health Sciences Center, 2013.
- School of Information Systems and Technology, University of Wollongong, Sydney, Australia, 2012
- Information Systems and Operations Management, Raj Soin College of Business, Wright State University, Dayton, OH, 2011
- Department of Information Systems, University of Maryland Baltimore County, Baltimore, 2007, 2010
- Department of Information Technology and Decision Sciences, Old Dominion University, Norfolk, Virginia, 2010

- Department of Management Science and Information Systems, University of Massachusetts, Boston, 2009
- Business School, University of Colorado at Denver and Health Sciences Center, 2007
- Baruch College, The City University of New York, 2007
- Villanova School of Business, Villanova University, 2006.
- CIS Department, Colorado State University, 2005
- College of Business Administration, Loyola Marymount University, 2004
- College of Commerce and Finance, Villanova University, 2002

## **Technical Reviewer**

### ***Journals***

Information Systems Research  
 MIS Quarterly  
 IEEE Transactions on Data and Knowledge Engineering  
 IEEE Transactions on Engineering Management  
 IEEE Transactions on Systems Man and Cybernetics  
 Communications of the ACM  
 Journal of Organizational Computing and Electronic Commerce  
 Data and Knowledge Engineering  
 Decision Support Systems  
 Journal of Management Information Systems  
 Journal of Information Technology Theory and Application  
 Journal of Global Information Technology Management  
 INFORMS Journal on Computing  
 INFORMS Transactions on Education  
 International Journal of Human Computer Interactions  
 DataBase for Advances in Information Systems Journal  
 Information Systems Journal  
 Industrial Management and Data Systems  
 Journal of Electronic Commerce in Organizations  
 Journal of Information Systems and e-Business  
 Journal of International Technology and Information Management  
 Journal of Computer Information Systems  
 Journal of Database Management  
 Journal of Information Technology Management  
 IDEA Group Book Chapter Review  
 Heuristics: The Journal of Intelligent Technologies Journal

### ***Conferences***

IEEE International Conference on Web Services (ICES)  
 Agent Technology in Business Applications (ATeBA-04)  
 IADIS International Conference on E-Society  
 International Conference on Information Systems  
 Americas Conference on Information Systems (AMCIS)  
 Information Resources Management Association Annual Conference  
 Conceptual Modeling (ER Conference)

Decision Sciences Institute Annual Conference Proceedings  
Management Information Systems Track  
DSS/AI/Expert Systems Track  
North East Decision Sciences Institute's Annual Conference Proceedings.  
International Business School Computing Association Annual Conference Proceedings

### **Oakland University**

Search Committee Member, Dean of Graduate Studies, 2019-2020.  
Graduate Research Day Committee, 2015-2016.  
Search Committee Member, Vice President for Research, 2015-2016.  
Search Committee Member, Vice President for Research, 2011.  
University Faculty Re-employment and Promotion Committee (FRPC) 2008 – 2011  
Member of Academic Computing Committee (University Senate Committee) 2006–2008  
Chair of the Foundation of Excellence subcommittee on Diversity (2005 – 2008)  
Member of the Foundation of Excellence Task Force (2005 – 2008)  
Member of search committee for the AVP for E-Learning and Instructional Support position (Fall 2003)  
Chair of Teaching and Learning Senate Committee (2003 – 2004), member (2002 – 2003)  
Academic Honors and Standings Senate Committee (2000 – 2002)  
Faculty Adviser for Indian Student Association (2000 – 2002)

### **School of Business Administration**

Executive MBA Review Committee, 2015  
SBA Building Committee, 2015  
SBA Distinguished Service Award Committee (2009 – 2011)  
SBA Computer Advising Committee (2007 – 2009)  
Co-organizer, SBA Research Seminar and Workshop Series, 2005 – 2008.  
Chair of the SBA Undergraduate Curriculum Committee (UCC) – (2002 – 2003), member (2001 – 2002)  
Chair of the SBA Committee on Instruction (COI) – (2002 – 2003), member (2001-2002)  
AACSB Accreditation Committee – Instructional Resources

### **Decision and Information Sciences Department**

Search Committee Chair, Assistant Professor of MIS, 2020  
Search Committee Member, Special Instructor position for QMM, 2019  
Search Committee Chair, Assistant Professor of MIS, 2018

Search Committee Chair, Assistant Professor of Business Analytics, 2017  
Search Committee Member, Assistant Professor of Operations Management, 2017  
Undergraduate Curriculum Review Committee, 2015  
MIS Minor Coordinator, 2014 - 2015  
MIS Curriculum Review Committee, 2013  
Search Committee Member, Special Instructor position  
Capstone Course Advisor  
Member of DIS Department Undergraduate Curriculum Committee  
Member of DIS Department Graduate Curriculum Committee  
Course coordinator for MIS 304  
Member of MIS Faculty Search Committee

#### **PROFESSIONAL ORGANIZATIONS**

Member of Association for Information Systems  
Member of Association for Computing Machinery