

Anand Nair

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RESEARCH CONTRIBUTION

Publications

1. Ataseven, C., **Nair, A.**, and Ferguson, M. 2018. An examination of the relationship between Intellectual Capital and Supply Chain Integration in Humanitarian Aid Organizations: A Survey-based Investigation of Food Banks. *Decision Sciences* (Forthcoming).
2. Giannoccaro, I., **Nair, A.**, Choi, T. 2018. The impact of control and complexity on supply network performance: An empirically informed investigation using NK simulation analysis. *Decision Sciences* (Forthcoming).
3. Prajogo, D., Mena, C., **Nair, A.** 2018. The fit between supply chain strategies and practices: A contingency approach and comparative analysis. *IEEE Transactions on Engineering Management* (Forthcoming).
4. **Nair, A.**, Blome, C., Choi, T., Lee, Conner. 2018. Re-visiting collaborative behavior in supply networks – Structural embeddedness and the influence of contextual changes and sanction. *Journal of Purchasing and Supply Management* (Forthcoming).
5. **Nair, A.**, Nicolae, M., Dreyfus, D. 2017. Differential Impact of Network Size on Cost Performance for High and Low Quality Hospitals: The Moderating Role of Hospital Demand. *International Journal of Operations and Production Management*, (Forthcoming).
6. Kalaignanam, K., Kushwaha, T. and **Nair, A.**, 2017. The Product Quality Impact of Aligning Buyer-Supplier Network Structure and Product Architecture: an Empirical Investigation in the Automobile Industry. *Customer Needs and Solutions*, pp.1-17.
7. Ataseven, C. and Nair, A., 2017. Assessment of supply chain integration and performance relationships: A meta-analytic investigation of the literature. *International Journal of Production Economics*, 185, pp.252-265.
8. Yan, T., **Nair, A.** 2016. Structuring supplier involvement in new product development: A China-US study. *Decision Sciences*, 47(4), 589-627.
9. **Nair, A.**, Ataseven, C., Habermann, M., Dreyfus, D. 2016 Toward a Continuum of Measurement Scales in Just-In-Time (JIT) Research – An Examination of the Predictive Validity of Single-Item and Multiple-Item Measures. *Operations Management Research*, 9(1-2), pp.35-48.

10. Giannoccaro, I., **Nair, A.** 2016. Examining the roles of product complexity and managerial behavior on product design decisions: An agent-based study using NK simulation. *IEEE Transactions on Engineering Management*, 63(2), 237 – 247.
11. **Nair, A.**, Yan, T., Ro, Y. K., Oke, A., Chiles, T. H., Lee, S-Y. 2016. How Environmental Innovations Emerge and Proliferate in Supply Networks: A Complex Adaptive Systems Perspective. *Journal of Supply Chain Management*, 52(2), 66-86.
12. **Nair, A.**, Jayaram, J, and Das, A. 2015. Strategic Purchasing Participation, Supplier Selection, Supplier Evaluation and Purchasing Performance. *International Journal of Production Research*. 53(20), 6263-6278.
13. Narasimhan, R., **Nair, A.** 2015. Towards a Theory-Driven Research Agenda in Six Sigma Quality Innovation: Linking Research Opportunities with Organization Theory Typology. *International Journal of Quality Innovation*, 1(1), 1-25.
14. Ataseven, C., Prajogo, D., **Nair, A.** 2014. ISO 9000 Internalization and Organizational Commitment - Implications for Process Improvement and Operational Performance. *IEEE Transactions on Engineering Management*, 61(1), 5-17.
15. **Nair, A.**, Nicolae, M., Narasimhan, R. 2013. Examining the impact of clinical quality and clinical flexibility on cardiology unit performance - Does experiential quality act as a specialized complementary asset? *Journal of Operations Management*, 31(7-8), 505-522.
16. **Nair, A.**, Ataseven, C., and Swamidass, P. 2013. An examination of the use of manufacturing technologies and performance implications in US plants with different export intensities. *International Journal of Production Research*, 51(11), 3283-3299.
17. Boone, C., Craighead, C., Hanna, J., and **Nair, A.** 2013. Implementation of a System Approach for Enhanced Supply Chain Continuity and Resiliency: A Longitudinal Study. *Journal of Business Logistics*, 34(3), 220-232.
18. **Nair, A.**, Malhotra, M., Ahire, S. 2011. Toward a theory of managing context in Six Sigma projects: An Action Research Investigation,” *Journal of Operations Management*, Special Issue: “Field Research in Operations and Supply Chain Management,” 29(5), 529-548.
19. **Nair, A.**, Narasimhan, R., Bendoly, E. 2011. Co-opetitive Buyer-Supplier Relationship: An Investigation of Bargaining Power, Relational Context, and Investment Strategies. *Decision Sciences*, 42(1), 93-127.
20. **Nair, A.** and Vidal, J. M. 2011. Supply Network Topology and Robustness against Disruptions: An investigation using Multiagent Model. *International Journal of Production Research*, Special Issue: “Multi-agent and Holonic Techniques for Manufacturing Systems: Technologies and Applications,” 49(5), 1391-1404.
21. Garcia, R., **Nair, A.**, Rummel, P. 2011. Specialization in exploration and exploitation: A systems approach. *International Journal of Business and Systems Research*, 5(1), 1-21.
22. Das, A. and **Nair, A.** 2010. The use of manufacturing technologies - An external influence perspective. *International Journal of Production Research*, 48(17), 4977-5006.
23. Mackelprang, A. and **Nair, A.** 2010. Relationship between Just-in-Time Manufacturing Practices and Performance: A Meta-Analytic Investigation. *Journal of Operations Management*, 28, 283-302.

24. **Nair, A.**, Jones-Farmer, A. and Swamidass, P. 2010. Modeling the reciprocal and longitudinal effect of Return on Sales and R&D intensity during economic cycles: 1997-2003 emerges as an R&D-propelled cycle. *International Journal of Technology Management*, (Special Issue on Technology Policy vs. Industrial Policy: A Comparison of Overlapping and Competing Approaches to R&D), 49(1/2/3), 2-24.
25. **Nair, A.**, Narasimhan, R., Choi, T. 2009. Supply Networks as a Complex Adaptive System: Toward Simulation-Based Theory Building on Evolutionary Decision Making. *Decision Sciences*, 40(4), 783-815.
26. Narasimhan, R., **Nair, A.**, Griffith, D., Arlbjørn, J., Bendoly, E. 2009. Lock-in situations in supply chains: Social exchange theoretic study of sourcing arrangements in power-based buyer-supplier relationship. *Journal of Operations Management*, Vol. 27, No. 5, 374-389.
27. **Nair, A.** and Prajogo, D. 2009. Internalization of ISO 9000 Standards: The Antecedent Role of Functionalist and Institutional Drivers and Performance Implications. *International Journal of Production Research*, Vol. 41, No. 16, 4545-4568.
28. **Nair, A.** and Boulton, W. R. 2008. Innovation Oriented Operations Strategy Typology and Stage-based Model. *International Journal of Operations & Production Management*, Vol. 28, Iss. 8, 748-771.
29. Pathak, S., Day, J. M., **Nair, A.**, Sawaya, W., and Kristal, M. 2007. Complexity and Adaptivity in Supply Networks: Building Supply Network Theory Using a Complex Adaptive Systems Perspective. *Decision Sciences*, Vol. 38, Iss. 4., 547-580.
30. **Nair, A.**, Hanvanich, S. and Cavusgil, T. 2007. "An exploration of the patterns underlying related and unrelated collaborative ventures using neural network: Empirical investigation of collaborative venture formation in data spanning 1985-2001," *International Business Review*, Vol. 16, Iss. 6, 659-686.
31. **Nair, A.** and Swink, M. 2007. "Linking internal process technology development and the use of AMT with manufacturing plant capabilities – An examination of complementarities and redundancies," *IEEE Transactions on Engineering Management*, Vol. 54, Iss. 4, 742-755.
32. **Nair, A.**, Sankar, C. S., Bliedung, N., and Raju, P. K. 2007. New product development at Yuquiyu Motors: design and development of Y11 engine. *International Journal of Information and Operations Management Education*, 2(1), 58-72.
33. Swink, M. and **Nair, A.** 2007. "Capturing the competitive advantage of AMT: Design-Manufacturing integration as a complementary asset," *Journal of Operations Management*, Vol. 25 (3): 736-754.
34. **Nair, A.** 2006. "Meta-Analysis of the Relationship between Quality Management Practices and Firm Performance – Implications for Quality Management Theory Development," *Journal of Operations Management*, 24, 948-975.
35. **Nair, A.** and Narasimhan, R. 2006. "Competing with Quality and Advertising Based Goodwill," *European Journal of Operational Research*, 175(1), 462-474.
36. **Nair, A.** and Closs, D. 2006. "An examination of the impact of coordinating supply chain policies and price markdowns on short lifecycle product retail performance," *International Journal of Production Economics*, 102(2): pp. 379-392.

37. Talluri, S., Narasimhan R. and **Nair A.** 2005. "Vendor evaluation with supply risk: A chance-constrained DEA model," *International Journal of Production Economics*, Vol. 100, No. 2: pp. 212-222.
38. Narasimhan R. and **Nair A.** 2005. "The Antecedent Role of Quality, Information Sharing and Supply Chain Proximity on Strategic Alliance Formation and Performance," *International Journal of Production Economics*, Vol. 96, No. 3: pp. 301-313.
39. **Nair A.** 2005. "Linking manufacturing postponement, centralized distribution and value chain flexibility with supply chain performance," *International Journal of Production Research*, Vol. 43, No. 3: pp. 447-463.
40. **Nair A.** 2005. "Emerging Internet-Enabled Mechanisms in Supply Chain," *Supply Chain Management: An International Journal*, Vol. 10, No. 3/4: pp. 162-168.
41. Sankar, C. S., Raju, P.K. and **Nair, A.**, Patton, D., and Bliedung, N. 2005. "Enterprise Information Systems and Engineering Design at Briggs and Stratton: K11 Engine Development," *Journal of Information Technology Cases and Applications*, Vol. 7, No. 5: pp. 21-40.
42. Closs, D., Swink, M. and **Nair, A.** 2005. "The Role of Information Connectivity in Making Flexible Logistics Programs Successful," *International Journal of Physical Distribution and Logistics Management*, Vol. 35, No. 4: pp. 258-277.
43. Swamidass P. and **Nair A.** 2004. "What Top Management Thinks about the Benefits of Hard and Soft Manufacturing Technologies," *IEEE Transactions on Engineering Management*, Vol. 51, No. 4: pp. 462 – 471.

INDUSTRY SPONSORED RESEARCH

- "Healthcare operations and supply chain management", with Oakwood Healthcare (2012 -)
- "Collaborative Process Improvement & Product Development in Supply Chains," case studies with several organizations with (2007 – 2010)
- "Perpetual Inventory System," with Sanjay Ahire, group of MBA students and a core team from Eaton Corporation as a part of MBA student project (Fall 2008).
- "Supply Chain Dynamic Simulation: A Multi-Echelon, Multi-Product Supply Chain Simulation Project Using ARENA- A SIMAN Language Based Simulation Tool" with Dr. Donald Bowersox, Dr. David Closs and team. The participating organizations include: Hershey Foods Incorporated, IBM, Limited Logistics Services & Whirlpool Corporation. (Fall 2000 – Summer 2002)
- "Financial Implications Of Supply Chain Decisions -A Strategic Profit Model Based Analysis," with Dr.Bixby Cooper, Dr.Daniel Lynch and A.T.Kearney. (Spring 2002)
- "Evaluating Expediting, Replenishment and Markdown Strategies in Retail Operations," with Dr.David Closs and Dr.Bixby Cooper and Limited Logistics Services. (Summer 2002)

GRANTS AND FELLOWSHIPS

Michigan State University

- NSF Grant Proposal for program solicitation NSF PD 17-1638 (September 2017) – (Title of the proposal: "Collaborative Proposal: Minimizing supply chain disruptions by resilient critical interdependent infrastructure and adaptive behavior of supply network agents." Funding request: **\$500,000; MSU share: \$360,764) - Under review**

- CAPS Research (April 2017) – (Title of the project: Creating a resilient supply chain to combat counterfeiting activities: Identification, Containment, and Preventive Approaches) - **\$43,000 - Funded**
- Fulbright-Aalto University Distinguished Chair Grant (2017 – 2018) - **Funded**
- Broad College Summer Grant (March 2015) for supporting doctoral student dissertation data collection and joint research - (Title of the proposal: Examining the antecedents and contextual factors impacting interruptions in the healthcare setting – Implications for mitigating supply and service disruptions) - **\$5,000 - Funded**
- Broad College Summer Grant (March 2015) - Submitted jointly with Claudia Rosales: (Title of the proposal: How Should Hospitals Manage Physician Preferred vs. General Medical Supplies To Reduce Spending and Improving the Quality of Healthcare?) - **\$20,000 - Funded**
- Oakwood Health System (April 2014) - **\$4,000** For supporting a doctoral student for collecting data regarding waste in the operating room. - **Funded**
- Retail Industry Leaders Association (January 2014) – (Title of the proposal: Aligning Technology Adoption and Use by Retail Associates and Retail Customers – Implications for Developing a Winning Retail Strategy; Funding request: **\$57,500**) – **Not funded**
- SAP North Americas (March 2013) – (Title of the proposal: Aligning Technology Adoption and Use by Retail Associates and Retail Customers – Implications for Developing a Winning Retail Strategy; Funding request: **\$15,500**) - **Not Funded**
- NSF Grant Proposal for program solicitation PD 11-8031 – *Science of Organizations* (February 2013) - (Title of the proposal: Collaborative Innovation in Supply Networks; Funding request: **\$390,591**) – **Not funded**
- Frederick and Barbara Malpass Faculty Excellence Fund Research Grant (Summer 2013) – (Title of the proposal: Taxonomy of Healthcare Quality: An Examination of Distinguishing Characteristics and Association of Healthcare Quality with Performance; Funding request: **\$17,000**) - **Funded**
- Proposal for *Honors Research Seminar* (November 2012) - (Title of the proposal - Investigating Key Determinants of Holistic Healthcare Quality – Implications for Management & Policy-Making; Funding request: **\$3,000** for seminar expenses + **\$3,000** for faculty research allowance) - **Funded**
- Proposal for *Strategic Partnership Grants (SPG) research and scholarship program* (September 2012) - (Title of the proposal - Taxonomy of Healthcare Quality: An Examination of Distinguishing Characteristics and Association of Healthcare Quality with Performance; Funding request: **\$230,000**) – **Not funded**

University of South Carolina

- Innovation Grant by Instructional and Program Innovation Committee (December 2011): **\$21,000** for leading the SAP initiative at the Moore School of Business (with Bikram Ghosh and Mark Cecchini) - **Funded**
- Magellan Scholar Program (December 2011): **\$2,000** for the research project entitled, “Baada ya dhiki faraja (After Hardship Comes Relief): Examining Opportunities for Integrating VillageReachs Mozambican Healthcare Delivery Model with the Ministry of Health and Social Welfares Integrated Logistics System in the United Republic of Tanzania” (with Ms. Elizabeth Wilson) - **Funded**
- NSF Grant Proposal for program solicitation NSF 10-583 - *Interface between Computer Science and Economics & Social Science (ICES)* (October 2010) (with Professor Jose Vidal, Department of Computer Science, University of South Carolina) - (Title of the proposal: Detection and Elimination of Systemic Risk in Supply Chains; Funding request: **\$395,554**) – **Not funded**
- Moore Research Fellow, Moore School of Business, University of South Carolina: \$10,000 each year for four years amounting to **\$40,000** (Joined the Broad College of Business, Michigan State University in 2012; hence, the fellowship was in effect from 2010 – 2012)
- CIBER Grant: **\$4000** for Mercosur Profession Development in International Business (PDIB) program (May 2011) -
- CIBER Grant: **\$3,500** for European Economies in Transition Faculty Development in International Business (FDIB) program (May 2010)

- Moore School Research Grant Program & Center for Global Supply Chain & Process Management (CGSCPM) (October 2008) Grant: **\$5,000**
- Academic Leader program grant by Tec de Monterrey, Mexico (October 2008): **\$1,000**
- Center for International Business Education and Research (CIBER) Grant: (October 2008) **\$2,000**
- Center for International Business Education and Research (CIBER) Grant (October 2007): **\$3,000**
- Center for International Business Education and Research (CIBER) Grant (October 2006): **\$3,500**

Conference Proceedings, Presentations, Workshop Participation, Panel Discussions & Book Reviews

- “Drivers of Supply Chain Integration in Humanitarian Organizations” (with Cigdem Ataseven and Mark Ferguson), **2015 Decision Sciences Institute’s Annual Meeting**, November 2016, Austin, TX.
 - “Unplanned Costs: Physician Preference Cards” (with David Dreyfus and Claudia Rosales), **2015 Decision Sciences Institute’s Annual Meeting**, November 2016, Austin, TX.
 - “Healthcare Quality and Network Affiliation,” (with Mariana Nicolae and David Dreyfus), **POMS 27th Annual Conference**, May 2016, Orlando, FL, USA.
 - “Search Behavior in the Centralized and Decentralized Coordination Settings: An Examination of Antecedents,” (with Ilaria Giannoccaro), **POMS 27th Annual Conference**, May 2016, Orlando, FL, USA.
 - “Intellectual Capital and Supply Chain Integration in Food Banks: Implications for Humanitarian Aid Organizations,” **ISB POMS Workshop 2015**, Hyderabad, India.
 - “Reducing waste in the Operating Room,” (with David Dreyfus and Claudia Rosales), **2015 MAHRMM Fall Conference**, October 2015, Lansing, MI.
 - “An ethnographic study of operating room waste,” (with David Dreyfus and Claudia Rosales), **2015 Decision Sciences Institute’s Annual Meeting**, November 2015, Seattle, WA.
 - “Mitigating the effect of buyer’s dependence on supplier – The role of internal resource and external mechanism,” (with Mesbahuddin Chowdhury and Daniel Prajogo), **2015 Decision Sciences Institute’s Annual Meeting**, November 2015, Seattle, WA.
 - “Antecedents of Supply Chain Integration in Humanitarian Relief Organizations,” (with Cigdem Ataseven and Mark Ferguson), **2015 Decision Sciences Institute’s Annual Meeting**, November 2015, Seattle, WA.
 - “Control and Emergence in Supply Networks,” (with Ilaria Giannoccaro and Thomas Choi), **2015 INFORMS Annual Meeting**, November 2015, Philadelphia, PA.
- Kalaighnam, K., Kushwaha, T. and Nair, A., 2015, January. Buyer-supplier network structure and product architecture. In **Academy of Management Proceedings** (Vol. 2015, No. 1, p. 13626). Academy of Management. *(This paper is recognized as Honorable Mention in the ISM Best Paper Session)*
- Managing Physician Preferred vs. General Medical Supplies: Reduce Costs and Improve Quality of Care (with Claudia Rosales). **2015 INFORMS Healthcare Conference**.
 - “Planning, Implementation, and Use of Healthcare Information Technology,” (with David Dreyfus), **POMS 26th Annual Conference**, May 2015, Washington D.C., USA.

- “Intellectual Capital in Humanitarian Relief Organizations,” (with Cigdem Ataseven and Mark Ferguson), **POMS 26th Annual Conference**, May 2015, Washington D.C., USA.
- “An Empirical Investigation of Antecedents and Implications of Meaningful Use of Health Information Technology,” (with David Dreyfus), **8th ISDSI International Conference**, Jan 2015, Pune. India.
- “Waste within the operating room,” (with David Dreyfus and Claudia Rosales), **2014 Decision Sciences Institute’s Annual Meeting**, Nov 2014, Tampa. FL.
- “External and internal integration in not-for-profit sector,” (with Cigdem Ataseven and Mark Ferguson), **2014 Decision Sciences Institute’s Annual Meeting**, Nov 2014, Tampa. FL.
- “The effects of information systems and outsourcing strategies on hospital performance,” (with David Dreyfus), **2014 Decision Sciences Institute’s Annual Meeting**, Nov 2014, Tampa. FL. (Session Chair)
- “Learning vs. Efficiency: A cross-country examination of buyer-supplier joint product development” (with Tingting Yan), **2014 Decision Sciences Institute’s Annual Meeting**, Nov 2014, Tampa. FL.
- Research Panel: From dyad to n-tier relationships – Multiple research avenues on researching supply networks, **2014 Decision Sciences Institute’s Annual Meeting**, Nov 2014, Tampa. FL. (Panelist)
- Workshop: Publishing in Decision Sciences Journal. **2014 Decision Sciences Institute’s Annual Meeting**, Nov 2014, Tampa. FL. (Workshop coordinator)
- Workshop: What’s trending - Cutting-edge research methods. **2014 Decision Sciences Institute’s Annual Meeting**, Nov 2014, Tampa. FL. (Workshop coordinator)
- Best paper award. **2014 Decision Sciences Institute’s Annual Meeting**, Nov 2014, Tampa. FL. (Judge)
- Workshop: Panel data models. **University of Melbourne**, Melbourne, Australia, July 2014.
- “An Empirical Study on Food Bank Supply Chains,” (with Cigdem Ataseven and Mark Ferguson), **25th Annual POMS Conference**, May 2014, Atlanta, GA.
- “The use of information technology in hospitals,” (with David Dreyfus), **25th Annual POMS Conference**, May 2014, Atlanta, GA.
- “An Empirical Study on Food Bank Supply Chains,” (with Cigdem Ataseven and Mark Ferguson), **2013 Decision Sciences Institute’s Annual Meeting**, Nov 2013, Baltimore, MD.
- “Efficiency Analysis Determines Best Practices for Dialysis Departments,” (with Srinivas Talluri and David Dreyfus), **2013 Decision Sciences Institute’s Annual Meeting**, Nov 2013, Baltimore, MD.
- “Panel: University/industry partnership to address the growing talent problem” **ASUG Michigan Chapter Meeting**, Nov 2013, Lansing, MI (Panelist)

- “Trade liberalization, exports, and manufacturing technologies,” (with Cigdem Ataseven and Paul Swamidass), **APICS – Association of Operations Management 2013**, September 29 – October 1, 2013, Orlando, FL.
- “Supply Network Structure and Product Recalls,” (with Kartik Kalaignanam and Tarun Kushwaha), **24th Annual POMS Conference**, May 3 – 6, 2012, Denver, CO.
- “Efficiency Analysis of Dialysis Facilities: Identification of Best Practices,” (with David Dreyfus and Srinivas Talluri), **24th Annual POMS Conference**, May 3 – 6, 2012, Denver, CO.
- “Supplier involvement in new product development: A China and US comparative study,” (with Tingting Yan) **2012 Decision Sciences Institute’s Annual Meeting**, 16-18 November, 2012, San Francisco, CA.
- “Efficiency Analysis of Dialysis Departments: Identification of Best Practices,” (with David Dreyfus and Srinivas Talluri), **2012 Decision Sciences Institute’s Annual Meeting**, 16-18 November, 2012, San Francisco, CA.
- “Supply Chain Integration in Humanitarian Aid Delivery to Underserved Communities,” (with Cigdem Ataseven), **2012 Decision Sciences Institute’s Annual Meeting**, 16-18 November, San Francisco, CA.
- “Building a successful research program,” **Invited Presentation** at the **2011 Decision Sciences Institute’s New Faculty Consortium**, 19 November, Boston, MA.
- “Taxonomy of Healthcare Quality,” (with Mariana Nicolae), **2011 Decision Sciences Institute’s Annual Meeting**, 19-22 November, Boston, MA.
- “An examination of the predictive validity of multiple-item and single-item measures in operations management research,” (with Cigdem Ataseven and Marco Habermann), **2011 Decision Sciences Institute’s Annual Meeting**, 19-22 November, Boston, MA.
- “Emerging Capabilities in Sustainable Supply Networks: A Process Theory,” (with Todd H. Chiles, Adegoke Oke, Young K. Ro and Tingting Yan), **2011 Decision Sciences Institute’s Annual Meeting**, 19-22 November, Boston, MA.
- “Intra-port Container Terminals – A Comparative Examination of their role in Global Supply Chain Management.” **Supply Chain Management Educator’s Conference at CSCMP’s 2011 Annual Global Conference**, October 2011, Philadelphia, PA.
- “An Empirical Examination of the Use of Manufacturing Technologies in Plants with Varying Export Intensity” (with Cigdem Ataseven and Paul Swamidass), **2010 Decision Sciences Institute’s Annual Meeting**, 20-23 November 2010, San Diego, CA.
- “Mutating Turing Machines,” **2010 INFORMS Annual Meeting**, November 2010, Austin, TX
- “Aligning Environmental Dynamism, Purchasing Strategy Formulation, Implementation and Performance: An Empirical Investigation,” (with Jayanth Jayaram and Ajay Das), **2010 Annual Meeting of the Academy of Management**, Montréal, Canada.
- “A Field-Based Investigation of Service Part Inventory Management: Implications for Supply Disruption Mitigation,” (with Christopher Boone, Christopher Craighead and Joe Hanna), **21st Annual POMS Conference**, Vancouver, Canada.

- Participant in the workshop titled, “ERPSim: A Serious Game to Teach ERP Concepts,” **SAP Curriculum Congress 2010**, San Diego, March 19-20.
- Participant in Decision Science Institute Mini Conference on Technology in the Class Room -“A Day in the Life of a LINKS Supply Chain Management Simulation Team: A Simulated Team Meeting,” **2009 National Decision Sciences Institute Conference**, New Orleans, LA.
- “Examining Power Dynamics in Buyer-Supplier Relationships,” (with Ram Narasimhan and Elliot Bendoly), **INFORMS Annual Meeting 2009**, San Diego, CA.
- “Co-opetitive buyer supplier relationship,” (with Ram Narasimhan and Elliot Bendoly), **Twentieth annual conference of POMS, May 2009**, Orlando, FL. (Session Chair)
- “Merging Organization Theory Typology and Six Sigma Practices: A Conceptual Model of Six Sigma Project Management,” (with Manoj Malhotra and Sanjay Ahire), **2008 APICS Conference**, Kansas City, MO.
- “Co-opetitive buyer supplier relationship,” (with Ram Narasimhan and Elliot Bendoly), **2008 Academy of Management Conference**, Anaheim, CA.
- Invited to participate in the Workshop for Junior Faculty in Operations Management, **2008 Academy of Management Conference**, Anaheim, CA.
- “Examining the Relationship between Topology and Performance of Supply Networks in the Presence of Random and Targeted Disruptions,” (with José M. Vidal), **2007 National Decision Sciences Institute Conference**, Phoenix, AZ.
- Participant in workshop titled, “Supply Chain Process Improvement,” **Lean & Quality Conference, 26th & 27th September, 2007**, Atlanta, GA
- Invited to participate in the Professional Development Workshop titled, “Advanced Social Networks: Theoretical And Empirical Applications Of Social Network Analysis,” **2007 Annual Meeting of the Academy of Management, 4th August, 2007**, Philadelphia, PA
- Participant in the Professional Development Workshop titled, “Micro Methods for Macro Problems: Using Experiments to Advance Theory in Strategy and Tech. Mgmt Experiments for Macro Research,” **2007 Annual Meeting of the Academy of Management, 5th August, 2007**, Philadelphia, PA
- Participant in the Professional Development Workshop titled, “Process Research Methods Workshop,” **2007 Annual Meeting of the Academy of Management, 4th August, 2007**, Philadelphia, PA
- Participant in the Professional Development Workshop titled, “Introduction to Social Networks Research,” **2007 Annual Meeting of the Academy of Management, 3rd August, 2007**, Philadelphia, PA
- “Supplier relationship development and the use of technologies – A critical examination,” (With Ajay Das), **Eighteenth annual conference of POMS, April-May 2007**, Dallas, TX.
- “Robustness of supply networks against disruptions – A complex adaptive systems perspective,” **Eighteenth annual conference of POMS, April-May 2007**, Dallas, TX. (Session Chair)
- “Do supplier relationships hurt the use of in-house manufacturing technologies”, (With Ajay Das), **Proceedings of ICISTM-2007**, New Delhi, March 12-13th, 2007, pp. 186-190.

- Invited to participate in the Supply Chain Design and Complexity Meeting at the W.P. Carey School of Business, Arizona State University, March 2nd, 2007
- "Mitigation of supply chain disruptions by utilizing a systems approach for service parts inventory management: An exploratory field study," (With Chris Boone, Chris Craighead and Joe Hanna), **2006 National Decision Sciences Institute Conference**, San Antonio, TX.
- "An investigation of the strategies of the buyer and the supplier in a situation of lock-in," (With Ram Narasimhan), **Seventeenth annual conference of POMS, April-May 2006**, Boston, MA.
- "Research opportunities in six sigma quality improvement," Invited panel discussion at **2005 National Decision Sciences Institute Conference**, San Francisco, CA
- "Explaining the relationship between R&D intensity and return on sales," (With Allison Jones-Farmer and Paul Swamidass), **2005 National Decision Sciences Institute Conference**, San Francisco, CA
- "Allocation of resources in exploration and exploitation of technologies: Re-evaluation using an adaptive agent application," (With Rosanna Garcia and Paul Rummel), **System Dynamics Society's 2005 Conference, July 2005**, Boston MA.
- "Mutating Turing machines as a metaphor for interactive behavior: Examining coordination in inter-organizational relationships," **2005 NKS (New Kind of Science) Summer School organized by Wolfram Research at Brown University**, Providence, RI.
- "An investigation of innovation lock-in and buyer-supplier relationship," (With Ram Narasimhan), **Sixteenth annual conference of POMS, April-May 2005**, Chicago, IL.
- "Linking internal technology development and the use of AMT with manufacturing plant capabilities," (With Morgan Swink), **Sixteenth annual conference of POMS, April-May 2005**, Chicago, IL.
- "Meta-Analysis of the Relationship between Total Quality Management Practices and Firm Performance Implications for TQM Theory Development," Proceedings of **2004 National Decision Sciences Institute Conference**, Boston, MA (*Session Chair*)
(*This paper is recognized with the Distinguished Paper Award in the Quality and Productivity track*)
- "An exploratory study of cooperation in supply chain networks using a cellular automata based model," (With Ram Narasimhan), **2004 National Decision Sciences Institute Conference Presentation**, Boston, MA
- "A stochastic differential game based study of channel power in a supply chain," (With Ram Narasimhan), **INFORMS Annual Meeting, October 2004**, Denver, CO.
- "Product Development and Innovation-Based Competition Between Collaborating Supply Chain Partners – A Differential Game Based Analytical Investigation," (With Ram Narasimhan), Proceedings of **14th Annual North American Research/Teaching Symposium on Purchasing and Supply Management**, Tempe, Arizona.
- "Competition and the Quality-Price-Advertising Dynamics," (With Ram Narasimhan), **INFORMS Annual Meeting, November 2002**, San Jose, CA.

- "Competitive Advantage in Collaborative Supply Chains: Some Propositions and Research Directions," Proceedings of **2002 National Decision Sciences Institute Conference**, San Diego, CA
- "Supply Chain Planning with Advanced Planning and Scheduling: Implications for Academia," (With David Closs), **2002 CLM Logistics Educator's Conference**, San Francisco, pp.317-345
- "Linking Postponement Strategies With Flexibility: Implications On Supply Chain Performance," Proceedings of **2001 National Decision Sciences Institute Conference**, San Francisco, CA
- "Postponement Strategies: A Literature Review And An Examination Of The Underlying Theme," Proceedings of **2001 Midwest Decision Sciences Institute Conference**, Dearborn, MI.
(This paper was recognized with the Best Student Paper Award)
- "Quick Response: Managing the Supply Chain - Book Review," **Supply Chain Management: An International Journal**, Vol.6, No.1, Jan-March 2001

TEACHING EXPERIENCE

Broad College of Business, Michigan State University

- SCM 303 – Introduction to Supply Chain Management (Spring 2016, Spring 2017)
- SCM 921 – Seminar in Inventory and Supply Chain Management (Spring 2014)
- UGS 200H – Honors Research Seminar in Healthcare Management (Fall 2013 – Spring 2014) (Honors College Students)
- SCM 826 – Manufacturing Design and Analysis (Spring 2013, Spring 2014, Spring 2015, Spring 2016, Spring 2017) (Full-time MBA)
- SCM 853 – Operations Strategy (Fall 2012, Fall 2013, Fall 2014, Fall 2015, Fall 2016) (Full-time MBA)

Lee Kong Chian School of Business, Singapore Management University

- OPIM 341 – Procurement and Strategic Sourcing

Moore School of Business, University of South Carolina

- MGSC 491 – Supply Chain Management (Spring 2009, Spring 2010, Spring 2011, Spring 2012) (Undergraduate - SCM Elective)
- MGSC 876 – Supply Chain Management (Spring 2011, Spring 2012) (Full-time & Part time MBA – SCM Elective)
- MGSC 395 – Operations Management (Fall 2006, Spring 2009, Fall 2010, Fall 2011) (Undergraduate - Introduction to Operations)
- IBUS 736 – Management of Global Supply Chains (Spring 2008, Spring 2009, Spring 2010) (Full-time and Part-time MBA - SCM Elective)
- MGSC 898 – Seminar in Operations Strategy (Fall 2009) (Doctoral Research Seminar)

- EIMBA: MGSC 876 – Supply Chain Management (Fall 2008) (Executive MBA at Tecnológico de Monterrey (ITESM), Guadalajara, Mexico - SCM Elective)

College of Business, Auburn University

- MNGT 3250 – Enterprise Operating Systems (Spring 2006) (Undergraduate - Introduction to SAP R/3)
- MNGT 3150 – Introduction to Operations Management (Fall 2003 – Summer 2006) (Undergraduate - Introduction to Operations)
- STAT 2610 - Introduction to Statistics for Business and Economics (Spring 2004, 2005) (Undergraduate - Introduction to Business Statistics)

The Eli Broad College of Business, Michigan State University

- MSC 470 – Supply Chain Applications and Policy (Spring 2003) (Undergraduate - SCM Capstone)
- MSC 442 – Logistics and Transportation Management (Summer 2002) (Undergraduate - Logistics Elective)
- MSC 317 – Quantitative Business Research Methods (teaching assistant) (Fall 2000) (Undergraduate - Introduction to Business Statistics)

THESES SUPERVISION & STUDENT ADVISING

- Hepsiba Chepngeno (Undergraduate Student, Honors College, Michigan State University): Research mentoring for the poster, “Role of Non-Governmental Organization in Enhancing the Integration of Small-Holder Farmers in the Supply Chain,” that was presented at the University Undergraduate Research & Arts Forum on April 7th, 2014. (The poster received First Prize in the Business Category).
- David Dreyfus (Ph.D. Student, Michigan State University): Dissertation Chair (*Operations and Supply Chain Management*)
- Adam Curry, Katie Hanlon, Michaela Marks (Undergraduate Students, Honors College, Michigan State University): Research mentoring for the project, “The Effects of Differentiation and Cost Strategies on Profitability and Customer Satisfaction within Healthcare Sector,” that was presented at the University Undergraduate Research & Arts Forum on April 4th, 2014.
- Emmalee Skorich and Sarah Tresedder (Undergraduate Students, Honors College, Michigan State University): Research mentoring for the project, “Volunteer Impact on Patient Satisfaction and Efficiency of Performance in Hospitals: A Conceptual Model,” that was presented at the University Undergraduate Research & Arts Forum on April 4th, 2014.
- Jay Patel and Michael Sterner (Undergraduate Students, Honors College, Michigan State University): Research mentoring for the project, “Affordable Care Act: A Hospital’s Perspective,” that was presented at the University Undergraduate Research & Arts Forum on April 4th, 2014.
- Shelbie Shelder and Marian Catalan (Undergraduate Students, Honors College, Michigan State University): Research mentoring for the project, “An Exploratory Case Study of the Determinants of Quality of Care in Health Care Centers Serving American Indian/Alaskan Native Population,” that was presented at the University Undergraduate Research & Arts Forum on April 4th, 2014.

- Cigdem Ataseven (Ph.D. Student, University of South Carolina): Dissertation Chair – 2008 – 2013 (*Operations and Supply Chain Management*) (Current Position: Assistant Professor, Monte Ahuja College of Business, Cleveland State University)
- Elizabeth Wilson (Undergraduate Student, University of South Carolina): Research advisor as a part of the Magellan Scholar Program (Current Position: Doctoral Student, Kellogg School of Management, Northwestern University)
- Mariana Nicolae (Ph.D. Student, University of South Carolina): Collaborative research (*Operations and Supply Chain Management*)
- Carol Robinson (Ph.D. Student, University of South Carolina): Dissertation Committee Member (*Operations and Supply Chain Management*) – 2008 – 2012 (University of South Carolina)
- Alan Mackelprang (Ph.D. Student, University of South Carolina): Collaborative research – 2007 – 2009 (*Operations and Supply Chain Management*)
- Benito Mendoza (Ph.D. Student, University of South Carolina): Dissertation Committee Member (*Computer Science & Engineering*) – 2009 (University of South Carolina)
- Hrishikesh Goradia (Ph.D. Student, University of South Carolina): Dissertation Committee Member (*Computer Science & Engineering*) – 2007 (University of South Carolina)
- Christopher Boone (Ph.D. Student, Auburn University): Dissertation Committee Member (*Supply Chain Management*) – 2006
- Zach Seitz (Undergraduate student, Auburn University): Chair for the Undergraduate Honors thesis (*Service Operations Management*)

PROFESSIONAL SERVICE

Service to the Professional Community

- Co-Department Editor (Healthcare) – Journal of Operations Management (Sep. 2017 -)
- Coordinator: Post defense doctoral student consortium – 2016 Decision Sciences Institute's Annual Meeting, Austin, TX.
- Vice President (Publications) – Decision Sciences Institute
- Board of Directors – Decision Sciences Institute
- Special Issue Editor (with Felix Reed-Tsochas, University of Oxford) for the Journal of Operations Management Special Issue, "A Complex Adaptive Systems Paradigm for Operations & Supply Chain Issues."
- Editorial Review Board – Journal of Supply Chain Management (2015 -)
- Editorial Review Board – Production and Operations Management Journal (2015 -)
- Track Chair – Empirical Research in Operations Management, POMS 27th Annual Conference, Annual Meeting, Orlando, FL. (Scheduled)
- Track Chair – Healthcare Management, 2015 Decision Sciences Institute's Annual Meeting, Seattle, WA. (Scheduled)
- Editorial Review Board – Quality Management Journal (2014 -)
- Publications committee – Decision Sciences Institute (2014-2016)
- Chair – Professional Development Workshop titled, "What's Trending: Cutting Edge Research Methods" (2014 Decision Sciences Institute Annual Meeting, Tampa, FL)
- Session Chair – "Relating outsourcing to performance of healthcare facilities" (2014 Decision Sciences Institute Annual Meeting, Tampa, FL)

- Judge – Best paper award competition. (2014 Decision Sciences Institute Annual Meeting, Tampa, FL)
- Associate Editor – Decision Sciences (2013 –)
- Track Chair – Supply Management (2013 Decision Sciences Institute Annual Meeting, Baltimore, MD)
- Session Chair – 2013 POMS Annual Conference, Denver, CO
- Associate Editor – Journal of Operations Management (2012 – Aug. 2017)
- Track Chair – Manufacturing Operations Management (2012 Decision Sciences Institute Annual Meeting, San Francisco, CA)
- Judge - 2012 Instructional Innovation Award Competition (2012 Decision Sciences Institute Annual Meeting, San Francisco, CA)
- Session Chair – Manufacturing Operations Management Track Caucus (2012 Decision Sciences Institute Annual Meeting, San Francisco, CA)
- Editorial Review Board – Journal of Operations Management (2007 – 2012)
- Editorial Review Board – International Journal of Integrated Supply Management (2008 – to present)
- Area Editor – Operations Management Research (2007 – 2010)
- Ad-hoc reviewer: European Journal of Operational Research, IEEE Transactions on Engineering Management, International Journal of Operations and Production Management, International Journal of Production Economics, International Journal of Production Research.
- Session Chair – 2004 Decision Sciences Institute Annual Meeting, Boston
- Session Chair – Eighteenth annual conference of POMS, April-May 2007, Dallas, TX
- Session Chair - Twentieth annual conference of POMS, May 2009, Orlando, FL.

Service to the Department/School/University

Michigan State University

University

- Research Mentoring – Honors College (2013-2014)
- Member: University Committee for Graduate Studies (UCGS) (2016 -)
- Chair: UCGS Research Policy Subcommittee (2016 -)

College

- Committee – Broad College Research Committee (2017 – 2019)
- Co-Director – Broad Inter-college Collaboration Initiative (BICI) (2015 -)
- Committee Member - Strategic Planning Collaboration across University Group (2015 -)
- Chair - Masters Program Committee (2016 -)
- Committee Member – MBA Curriculum Review (2016)
- Committee: Master in Healthcare Management program development (2016 -)
- Board: Institute for Business Research (2016 -)
- Executive training on materials management as a part of Executive Development Program for Husky Energy. (2015)

Department

- Operations Management Faculty Recruitment Committee (2015-2016)
- Teaching and Advisory Committee (2015 -)
- Committee - Sixth Global Supply Chain Management Conference: Building Bridges Between Theory and Practice (2013)
- Committee - Emerging issues/trends for SCM department strategic planning (2015-2016)
- Reading Committee -3rd year review (2014-2015)
- Committee – Research Colloquium (2014 -)
- Co-Chair: Doctoral Program Committee (2017 -)

University of South Carolina

Department

- Co-organizer of Corporate/Research Symposium, November 2010.
- Coordinator – Research Colloquium organized by Management Science Department (2009 - 2012)
- Contribution to the Strategic Directions Proposal: “Managing Global Supply Chains” (2007-2008)
- Creation of knowledge repository for the Center for Global Supply Chain and Process Management (2007-2010)
- Member of the Committee assigned to Redesign the Core Operations Management undergraduate course (2007-2008)

College

- Chair of the Undergraduate Scholastic Standards and Petitions Committee (2010 - 2012)
- President, USC Chapter of the Beta Gamma Sigma honor, (January 2010 – July 2012)
- Faculty Coordinator – SAP Academic Alliance
- Dean’s Circle – Moore School of Business, July 2009
- Expert Instructor – Ivory Tower to Marketplace Course, May 2009
- Participated in the Academic Leader Program organized by Tec de Monterrey and shared knowledge and experiences with the students, faculty, and the business community of Guadalajara, October 2008
- Member of the Undergraduate Scholastic Standards and Petitions Committee (2007-2010)
- Member of the Committee assigned to Redesign the seminar courses offered in the Ph.D. program (2007-2008)

Volunteering Experience

- Coach – Science Olympiad (Okemos Public Schools - Kinawa 5-6 School) (2015-2017)
- Panelist – Ashoka’s Youth Venture (Youth Venture inspires and supports teams of young people to launch and lead their own “Ventures” - community-benefiting initiatives, clubs, organizations and businesses.)
- Volunteer – Red Cross

AWARDS AND RECOGNITION

- Fulbright-Aalto University Distinguished Chair (2017 – 2018)
- Institute for Supply Management (ISM) Best Paper Award – Finalist and Honorable Mention (August 2015)
- Special Issue Editor (with Felix Reed-Tsochas, University of Oxford) for the Journal of Operations Management Special Issue, “A Complex Adaptive Systems Paradigm for Operations & Supply Chain Issues.”
- Best Associate Editor Award for the Journal of Operations Management for 2013
- Moore Research Fellow, Moore School of Business, University of South Carolina: \$10,000 for four years (Joined the Broad College of Business, Michigan State University in 2012; hence, the fellowship was in effect from 2010 – 2012)
- Invitation and research grant to participate in the Academic Leader program organized by Tec de Monterrey (October 2008): \$1,000
- Recognized by the University of South Carolina Beta Gamma Chapter of Delta Sigma Pi as the “New Professor of the Year” (Fall’ 06)
- 2004 Decision Sciences Institute/ Irwin McGraw Hill Elwood S. Buffa Doctoral Dissertation Award
- 2004 Decision Sciences Institute’s Distinguished Paper Award in Quality and Productivity track
- 2001 Midwest Decision Sciences Institute Best Student Paper Award (second prize)

INVITED PRESENTATIONS

- 2015: Indian School of Business, Hyderabad.
- 2015: MAHRMM (Michigan Association of Healthcare Resource and Materials Management)
- 2015: Husky Energy (Executive presentation on materials management for oil and gas industry)
- 2015: Carlson School of Management, University of Minnesota
- 2014: Faculty of Business and Economics, University of Melbourne.
- 2013: Lee Kong Chian School of Business, Singapore Management University.
- 2011: Broad College of Business, Michigan State University.
- 2010: Smeal College of Business, Pennsylvania State University.
- 2009: W.P. Carey School of Business, Arizona State University
- 2007: W.P. Carey School of Business, Arizona State University
- 2006: Moore School of Business, University of South Carolina.
- 2003: Mays Business School, Texas A & M University; College of Business, Auburn University; School of Business, Clarkson University; College of Business, Cleveland State University

EDUCATION

- **Ph.D. in Business Administration**, Michigan State University, USA.
- **BE (Electronics), MBA**, India

EMPLOYMENT

- January 2017 - Present, Broad College of Business, Michigan State University, USA
Director - Operations & Sourcing Management Doctoral Program
- July 2016 - Present, Broad College of Business, Michigan State University, USA
Professor of Operations & Supply Chain Management
- August 2012 – June 2016, Broad College of Business, Michigan State University, USA
Associate Professor
- August 2010 – August 2012, Moore School of Business, University of South Carolina, USA
Moore Research Fellow & Associate Professor
- August 2006 – July 2010, Moore School of Business, University of South Carolina, USA
Assistant Professor
- August 2003 – August 2006, College of Business, Auburn University, USA
Assistant Professor
- August 2000 – May 2003, The Eli Broad College of Business – Michigan State University, USA
Research and Teaching Assistant
- May 1999– June 2000, Intelligroup Inc. (NTT Data Corporation, Japan) – Mumbai, India
Manager – Business Development
- Jan 1998 – March' 1999, Mafatlal Consultancy Services Ltd. - Mumbai, India
Consultant – Enterprise Applications
- July 1997 – Dec 1997, CMC Ltd. (a subsidiary of TCS) - Mumbai, India
Executive – Business Development (System Integration)

VISITING POSITIONS

- July 2017-August 2017, Faculty of Business and Economics, University of Melbourne.
Visiting Research Scholar
- August 2014, Faculty of Business and Economics, University of Melbourne.
Visiting Research Scholar
- June 2014 – July 2014, Lee Kong Chian School of Business, Singapore Management University, Singapore
Visiting Professor
- June 2013 – July 2013, Lee Kong Chian School of Business, Singapore Management University, Singapore
Visiting Professor

RESEARCH INTEREST

- Networks - Inter-Organizational Supply Networks
- Healthcare Management
- Administrative Innovation - Quality Management, JIT, Lean, Supply Chain Integration
- Strategy - Link between Business and Operations Strategy
- Technological Innovation – Supply Chain Technologies, Innovation Strategy

TEACHING INTEREST

- Supply Chain Management
- Operations Management
- Strategic Sourcing
- Technology and Innovation Management
- Quality Management

CONTINUING EDUCATION

- "NECSI Course on Complex Networks", MIT, Boston, June 2015
- "Statistical Methods for Large Scale Social Networks," ITM Workshop, April 2013.
- "SCM Statistical Methods," audited the course from September 2012 - December 2012.
- "Analytics Applications and Global Bike, Inc." at SAP 2013 Academic Conference - Americas.
- "In-Memory Database Management and the SAP HANA Platform," at SAP 2013 Academic Conference - Americas.
- "Mobile Application Development with the SAP Mobile Platform," at SAP 2013 Academic Conference - Americas.
- "SAP HANA Business Cases," at SAP 2013 Academic Conference - Americas.
- Training in ERPSim simulation game using SAP (Organized by HEC Montreal at the SAP Curriculum Congress 2010)
- Participated in the executive education on "Negotiations in Supply Chains" (May 2007)
- Attended workshops on "Theory building with Simulations", "Social Network Analysis", "Behavioral experiments" & "Process Research Methods" (Academy of Management Conference, August 2007)
- Attended workshop on "Supply Chain Process Improvement" in the *Lean and Quality Conference* sponsored by IIE and ASQ (September, 2007)
- 2005 Summer School organized by Wolfram Research at Brown University on complexity theory and complex systems (NKS Summer School, June – July 2005)

- Attended SAP training as a part of University Alliance Program at Auburn University (January 2005)

PROFESSIONAL AFFILIATION

- Academy of Management
- American Society of Quality
- APICS - Association of Operations Management
- Council of Supply Chain Management Professionals
- Decision Sciences Institute
- Institute for Supply Management
- Production and Operations Management Society