

Anand Nair

Anand Nair
Assistant Professor
Department of Management Science
Moore School of Business
University of South Carolina
1705 College Street,
Columbia, SC 29208
Ph.: 803-777-2648
Fax: 803-777-3064
e-mail: nair@moore.sc.edu
(Updated: Dec. 12, 2008)

EDUCATION

- **Ph.D.** in Business Administration, 2003, Michigan State University, USA.
- **BE, MBA**, 1997, University of Pune, India.

EMPLOYMENT

- August 2006 - *current*, 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 Asia - Bombay, India
Manager – Business Development
- Jan 1998 – March' 1999, Mafatlal Consultancy Services - Bombay, India
Consultant – Enterprise Applications
- July 1997 – Dec 1997, CMC Ltd. - Bombay, India
Executive – Business Development (System Integration)

AWARDS, GRANTS AND RECOGNITION

- Moore School Research Grant Program & Center for Supply Chain & Operations Management (GSCOM) Grant: \$5,000, October 2008
- Center for International Business Education and Research (CIBER) Grant; \$2,000, October 2008
- Center for International Business Education and Research (CIBER) Grant; \$3,000, October 2007
- Recognized by the University of South Carolina Beta Gamma Chapter of Delta Sigma Pi as the "New Professor of the Year"
- Center for International Business Education and Research (CIBER) Grant; \$3,500, October 2006
- 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)
- Editorial Review Board: Journal of Operations Management
- Editorial Review Board: International Journal of Integrated Supply Management

- Area Editor: Operations Management Research

PROFESSIONAL CERTIFICATIONS

- **Certified in Production and Inventory Management (CPIM)** by APICS – The Association for Operations Management
- **Certified Quality Engineer (CQE)** by ASQ – The American Society for Quality

RESEARCH INTEREST

- Supply Chain Management
- Quality Management
- Technology & Innovation Strategy

TEACHING INTEREST

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

DISSERTATION

Topic: Essays on Innovation, Product Development and Strategic Supply Chain Management - An Analytical Investigation of Strategies for Competition and Collaboration (**Decision Science Institute's Elwood S. Buffa Doctoral Dissertation Award Winner**)

RESEARCH CONTRIBUTION

Publications

1. Narasimhan, R., **Nair, A.**, Griffith, D., Arlbjørn, J., Bendoly, E. 2008. Lock-in situations in supply chains: Social exchange theoretic study of sourcing arrangements in power-based buyer-supplier relationship. *Journal of Operations Management* (Forthcoming)
2. **Nair, A.** and Prajogo, D. 2008. Internalization of ISO 9000 Standards: The Antecedent Role of Functionalist and Institutional Drivers and Performance Implications. *International Journal of Production Research* (Forthcoming)
3. **Nair, A.**, Jones-Farmer, A. and Swamidass, P. 2008. "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) (Forthcoming)
4. **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.
5. 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 Journal*, Vol. 38, Iss. 4., 547-580.

6. **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.
7. **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.
8. **Nair, A.**, Sankar, C. S., Bliedung, N., and Raju, P. K. 2007. New product development at Yuquiya Motors: design and development of Y11 engine. *International Journal of Information and Operations Management Education*, 2(1), 58-72
9. 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
10. **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.
11. **Nair, A.** and Narasimhan, R. 2006. "Competing with Quality and Advertising Based Goodwill," *European Journal of Operational Research*, 175(1), 462-474.
12. **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.
13. 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.
14. 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.
15. **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.
16. **Nair A.** 2005. "Emerging Internet-Enabled Mechanisms in Supply Chain," *Supply Chain Management: An International Journal*, Vol. 10, No. 3/4: pp. 162-168.
17. 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.
18. 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.
19. 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.

Conference Proceedings, Presentations, Panel Discussions & Book Reviews

- “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.
- “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
(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

Moore School of Business, University of South Carolina

- EIMBA: MGSC 876 – Supply Chain Management (Fall 2008) (Executive MBA at Tecnológico de Monterrey (ITESM), Guadalajara, Mexico - SCM Elective)
- IBUS 736 – Management of Global Supply Chains (Spring 2008) (Full-time and Part-time MBA - SCM Elective)
- MGSC 491 – Supply Chain Management (Spring 2008) (Undergraduate - SCM Elective)
- MGSC 395 – Operations Management (Spring 2008) (Undergraduate - Introduction to Operations)
- MGSC 876 – Models in Supply Chain Management (Spring 2007) (Full-time MBA – SCM Elective)
- MGSC 395 – Operations Management (Fall 2006) (Undergraduate - Introduction to Operations)

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

- Zach Seitz: Chair for the Undergraduate Honors thesis (*Service Operations Management*) – 2006 (Auburn University)
- Christopher Boone (Ph.D. Student): Dissertation Committee Member (*Supply Chain Management*) – 2006 (Auburn University)
- Hrishikesh Goradia (Ph.D. Student): Dissertation Committee Member (*Computer Science & Engineering*) – 2007 (University of South Carolina)
- Benito Mendoza (Ph.D. Student): Dissertation Committee Member (*Computer Science & Engineering*) – 2008 (University of South Carolina)
- Alan Mackelprang (Ph.D. Student): Advising and collaborative research (*Operations and Supply Chain Management*)
- Cigdem Ataseven (Ph.D. Student): Advising and collaborative research (*Operations and Supply Chain Management*)

INDUSTRY SPONSERED RESEARCH

- "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)

CONTINUING EDUCATION

- 2005 Summer School organized by Wolfram Research at Brown University on complexity theory and complex systems (NKS Summer School)
- Participated in the executive education on "Negotiations in Supply Chains"
- Attended workshops on "Theory building with Simulations", "Social Network Analysis", "Behavioral experiments" & "Process Research Methods"
- Attended workshop on "Supply Chain Process Improvement" in the forthcoming *Lean and Quality Conference* sponsored by IIE and ASQ (in September, 2007)

PROFESSIONAL SERVICE

Service to the Professional Community

- Editorial Review Board – Journal of Operations Management (2007 – to present)
- Editorial Review Board – International Journal of Integrated Supply Management (2008 – to present)
- Area Editor – Operations Management Research (2007 – to present)

- Reviewer for the Decision Sciences Journal
- Reviewer for the Production and Operations Management Journal
- Reviewer for the IEEE Transactions on Engineering Management
- Reviewer for the European Journal of Operational Research
- Reviewer for the International Journal of Operations and Production Management
- Reviewer for the International Journal of Production Economics
- Session Chair – 2004 Decision Sciences Institute Annual Meeting, Boston
- Session Chair – Eighteenth annual conference of POMS, April-May 2007, Dallas, TX

Service to the School

- Active Contribution to the Strategic Directions Proposal: “Managing Global Supply Chains” for the Moore School of Business, *University of South Carolina*
- Creation of knowledge repository for the Center for Global Supply Chain and Process Management, Moore School of Business, *University of South Carolina*
- Member of the Undergraduate Scholastic Standards and Petitions Committee (2007-2010), Moore School of Business, *University of South Carolina*
- Member of the Committee assigned to Redesign the Core Operations Management undergraduate course, Moore School of Business, *University of South Carolina*

PROFESSIONAL AFFILIATION

- Academy of Management
- American Society of Quality
- Association of Operations Management
- Council of Supply Chain Management Professionals
- Decision Sciences Institute
- Institute for Operations Research and the Management Sciences
- Institute for Supply Management
- Manufacturing and Service Operations Management Society
- Production and Operations Management Society