

- Strategic Supply Chain Management: 2-day seminar organized by The Center for Industrial Effectiveness (TCIE), Buffalo, October 12-13, 2016.
- Operational Excellence in Healthcare, Nov 14 & Dec 05, 2016, a seminar for healthcare executives, Center for Executive Development, UB School of Management.
- Strategic Supply Chain Management: 2-day seminar organized by Singapore Institute of Management, August 18-19, Singapore, 2016.
- My industry seminars in various countries have been attended by executives from multinational manufacturing firms such as Philips, Hewlett Packard, Motorola, Chartered Semiconductor, Siemens, Cummins, Tata Motors and Bharat Petroleum. Professionals from retail, logistics service providers, shipping companies, freight forwarders and distributors have also attended.
- Other seminar programs in supply chain management, strategic sourcing, lean manufacturing, logistics etc. organized by institutions such as The Center for Industrial Effectiveness (TCIE) mainly in Western New York region.
- Japan Productivity Center/SUNY program at Buffalo, NY (1991).

Publications

Journals Published In:

Journal of Operations Management, Management Science, Decision Sciences, IIE Transactions, European Journal of Operational Research, International Journal of Production Research, Journal of Supply Chain Management, International Journal of Operations and Production Management, International Journal of Production Economics, International Journal of Flexible Manufacturing Systems, Computers and Industrial Engineering, Journal of Intelligent Manufacturing, Journal of Manufacturing Systems, Production and Inventory Management, Journal of Intelligent Manufacturing, Robotics & Computer-Integrated Manufacturing, Operations Management Review, etc.

Publications:

- Suresh, N.C., Sanders, G.L., and Braunscheidel, M.J., 2020, Business Continuity Management for Supply Chains Facing Catastrphic Events, forthcoming in *IEEE Engineering Management Review*. (Accepted July, 2020).
- Doering, T., Krumwiede, D., and Suresh, N.C., 2020, Measuring the Effects of Time: Repeated Cross-Sectional Research in Operations and Supply Chain Management, *Supply Chain Management: An International Journal*, 25 (1), 122-138. <https://doi.org/10.1108/SCM-04-2019-0142>.

- Doering, T., de Jong, J., and Suresh, N.C., 2019, Performance Effects of Supply Chain Integration: The Relative Impacts of Two Competing National Culture Frameworks, *Cogent Business & Management*, Taylor & Francis, (Accepted: April 18, 2019).
<https://doi.org/10.1080/23311975.2019.1610213>
- Jiang, Shih-Sian, Ogden, J.P., and Suresh N.C., 2019, Operational and financial configurations contingent on market power status, forthcoming in *Omega: The International Journal of Management Science*. Available online at: [Volume 88](https://doi.org/10.1016/j.omega.2018.10.018), October 2019, Pages 91-109. <https://doi.org/10.1016/j.omega.2018.10.018>
- Yook, K. H., Choi, J. H., Suresh, N. C., (2018), Linking green purchasing capabilities to environmental and economic performance: The moderating role of firm size, *Journal of Purchasing and Supply Management*, 24 (4), October, 326-337.
<http://dx.doi.org/10.1016/j.pursup.2017.09.001>.
- Doering, T., and Suresh, N.C., 2016, Forecasting management competence and its impact on accuracy, cost and delivery performance, *Journal of Supply Chain Management*, 52 (4), October, 77-91.
- Chiang, Chung-Yean, Lin, W. T., and Suresh, N. C., 2016, An empirically-simulated investigation of demand forecasting on the bullwhip effect: Evidence from U.S. auto industry, *International Journal of Production Economics*, 177, 53-65.
- Chen, L., Ellis., S., and Suresh, N.C., 2016, A supplier development adoption framework using expectancy theory, *International Journal of Operations & Production Management*, 36 (5), May, 592-615.
- Kim M., Suresh, N.C., Kocabasoglu-Hillmer, C., 2015, A contextual analysis of the impact of strategic sourcing and E-procurement on performance, *Journal of Business and Industrial Marketing*, 30 (1), 1-16.
- Kim, M., Kocabasoglu Hillmer, C., and Suresh, N.C., Impact of Manufacturing Flexibility and Technological Dimensions of Manufacturing Strategy on Improving Supply Chain Responsiveness: Business Environment Perspective, *International Journal of Production Research*, 51(18), 5597-5611, 2013.
- Chiang, C. Y., Kocabasoglu Hillmer, C., and Suresh, N.C., An Empirical Investigation of the Impact of Strategic Sourcing and Flexibility on Firm's Supply Chain Agility, *International Journal of Operations and Production Management*, 32 (1), 49-78, 2012.
- Braunscheidel, M. J., Hamister, J. W., Suresh, N.C, and Star, H., An institutional theory perspective on Six Sigma adoption, *International Journal of Operations and Production Management*, 31 (4), 423-451, 2011.

- Aleisa, E., Suresh, N.C., and Lin, L., Team formation in concurrent engineering using group technology (GT) concepts, in *Concurrent Engineering* 19 (3), 213-224, September 2011.
- Braunscheidel, M. J., Suresh, N.C., and Boisnier, A.D., An empirical investigation of the impact of organizational culture on supply chain integration, *Human Resource Management*, 49 (5), 883-911, Sep-Oct, 2010.
- Braunscheidel, M., and Suresh, N.C., The organizational antecedents of a firm's supply chain agility for risk mitigation and response, *Journal of Operations Management*, 27 (2), 119-140, April 2009.
- Wang, X., Webster, S., and Suresh, N.C., Would a risk-averse newsvendor order less at a higher selling price?, *European Journal of Operational Research*, 196(2), 544-553, 2009.
- Satoglu, S.I., and Suresh, N.C., A goal programming approach for design of hybrid cellular manufacturing systems in dual resource constrained environments, *Computers & Industrial Engineering*, 56 (2), 560-575, March 2009.
- Park, S., Suresh, N.C., and Jeong, B., Sequence-based clustering for web-usage mining: A new experimental framework and ANN-enhanced K-means algorithm, *Data and Knowledge Engineering*, 65 (3), 512-543, June 2008.
- Hamister, J., and Suresh, N.C., The impact of pricing policy on sales variability in a supermarket retail context, *International Journal of Production Economics*, 111, 441-455, February 2008.
- Kocabasoglu, C., and Suresh, N.C., Strategic sourcing: An empirical investigation of the concept and its practices in U.S. manufacturing firms, *Journal of Supply Chain Management*, 42 (2), 4-16, Spring 2006.
- Nomden, G., Slomp, J., and Suresh, N.C., Virtual manufacturing cells: A taxonomy of past research and identification of future research issues, *International Journal of Flexible Manufacturing Systems*, 17 (2), 71-92, April 2005.
- Suresh, N.C., and Slomp, J., Performance comparison of virtual cellular manufacturing with functional and cellular layouts in DRC settings, *International Journal of Production Research* , 43 (5), 945-979, March 2005.
- Slomp, J., Chowdary, B. V., and Suresh, N.C., Design of virtual manufacturing cells: A mathematical programming approach, *Robotics & Computer-Integrated Manufacturing*, 21 (3), 273-288, June 2005.
- Slomp, J. and Suresh, N.C., The shift team formation problem in multi-shift manufacturing operations, *European Journal of Operational Research*, 165 (3), 708-728, September 2005.

- Park, S., and Suresh, N.C., Performance of Fuzzy ART neural network and hierarchical clustering for part-machine grouping based on operation sequences, *International Journal of Production Research*, 41 (14), 3185-3216, 2003.
- Parente, D., Pegels, C.C., and Suresh, N.C., An exploratory study of the sales-production relationship and customer satisfaction, *International Journal of Operations & Production Management*, 22 (9), 2002.
- Bokhorst, J., Slomp, J. and Suresh, N.C., An integrated model for part-operation allocation and investments in CNC technology, *International Journal of Production Economics*, 75, 267-285, Feb 2002.
- Suresh, N.C. and Slomp, J., A Multi-objective procedure for labor assignments and grouping in capacitated cell formation problem, *International Journal of Production Research*, 39 (18), 4103-4131, 2001.
- Suresh, N.C. and Gaalman, G.J.C., Performance evaluation of cellular layouts: Extension to DRC system contexts, *International Journal of Production Research*, 38(17), 4393-4402, 2000.
- Shambu, G. and Suresh, N. C., Performance of hybrid cellular manufacturing systems: A computer simulation investigation, *European Journal of Operational Research*, 120(2), 436-458, January 2000.
- Suresh, N. C., Slomp, J. and Kaparthi, S., Sequence-dependent clustering of parts and machines: A Fuzzy ART neural network approach, *International Journal of Production Research*, 37(12), 2793-2816, August 1999.
- Gaalman, G.J.C., Slomp. J. and Suresh, N.C., : Towards an integration of process planning and production planning and control for flexible manufacturing systems, *International Journal of Flexible Manufacturing Systems*, 11(1), 5-17, 1999.
- Shambu, G., Suresh, N.C., and C. C. Pegels, Performance evaluation of cellular manufacturing systems: A taxonomy and review of research, *International Journal of Operations and Production Management*, 16(8), 81-103, 1996.
- Suresh, N. C., Slomp, J. and Kaparthi, S., The capacitated cell formation problem: A new hierarchical methodology, *International Journal of Production Research*, 33(6), 1761-1784, 1995.
- Kaparthi, S. and Suresh, N. C., Performance of selected part-machine grouping techniques for data sets of wide-ranging sizes and imperfection, *Decision Sciences*, 25 (4), 515-539, July/August 1994.
- Suresh, N. C. and Meredith, J. R., Coping with the loss of pooling synergy in cellular manufacturing systems, *Management Science*, 40(4), 466-483, April 1994.
- Suresh, N. C. and Kaparthi, S., The performance of Fuzzy ART neural network for group technology cell formation, *International Journal of Production Research*, 32(7), 1693-1713, July 1994.

- Lotfi, V. and Suresh, N. C., Flexible automation investments: problem formulation and a solution procedure, *European Journal of Operational Research*, 79, 383-404, 1994.
- Rao, H, Sherman, B and Suresh, N. C., Evaluation of flexible automation investments: A model management perspective, *Journal of Intelligent Manufacturing*, 4, 307-322, 1993.
- Kaparthi, S., Suresh, N. C. and Cerveny, R., An improved neural network leader algorithm for the part-machine grouping problem, *European Journal of Operational Research*, 69 (3), 342-356, 1993.
- Suresh, N.C., A generalized multi-machine replacement model for flexible automation investments, *IIE Transactions*, 24(2), 131-143, May 1992.
- Suresh, N. C., Partitioning work centers for group technology: Analytical extension and shop-level simulation investigation, *Decision Sciences*, Vol. 23(2), 267-290, March/April, 1992.
- Kaparthi, S. and Suresh, N. C., Machine-component cell formation in group technology: A neural network approach, *International Journal of Production Research*, 30 (6), 1353-1368, June 1992.
- Suresh, N. C. and Kaparthi, S., Flexible automation investments: A synthesis of two multi-objective modeling approaches, *Computers and Industrial Engineering*, 22(3), 1992, 257-272.
- Suresh, N. C., Partitioning work centers for group technology: Insights from an analytical model, *Decision Sciences*, Vol. 22 (4), 772-791, Sep/Oct 1991.
- Suresh, N. C., An extended multi-objective replacement model for flexible automation investments, *International Journal of Production Research*, 29 (9), 1823-1844, 1991.
- Kaparthi, S. and Suresh, N. C., A neural network system for shape-based classification and coding of rotational parts, *International Journal of Production Research*, 29 (9), 1771-1784, 1991.
- Suresh, N.C., Towards an integrated evaluation of flexible automation investments, *International Journal of Production Research*, 28 (9), 1657-1672, 1990.
- Meredith, J. R. and N. C. Suresh, Justification techniques for advanced manufacturing technologies, *International Journal of Production Research*, 24 (5), 1043-1057, 1986.
- (reprinted in *Justifying New Manufacturing Technology*, Institute of Industrial Engineers (IIE), Norcross, GA, 1987; also, a summary of the article appeared in *Robotics Today*, June 1986).
- Suresh, N. C. and Meredith, J. R., Justifying multi-machine systems: An integrated, strategic approach, *Journal of Manufacturing Systems*, 4 (2), 117-134, 1985. (Reprinted in *Justifying New Manufacturing Technology*, Institute of Industrial Engineers (IIE), Norcross, GA, 1987).

- Suresh, N. C. and Meredith, J. R., Achieving factory automation through group technology principles, *Journal of Operations Management*, 5 (2), 151-167, 1985.
- Suresh, N. C. and Meredith, J. R., Quality assurance information systems for factory automation, *International Journal of Production Research*, 23 (3), 479-488, 1985.
- Suresh, N. C., Optimizing intermittent production systems through group technology and an MRP system, *Production and Inventory Management*, (APICS), 76-84, Fourth Quarter, 1979. (Reprinted in *MRP Reprints*, American Production & Inventory Control Society, 1986; and appeared in recommended reading list for APICS Certification examinations on shop floor control).

Papers Under Review

- Wang, J., Zhang, M. and Suresh N. C., Optimization of Dispatch for Disaster Relief Logistics Considering Road and Telecommunication Infrastructure Restoration, under review in *International Journal of Production Research*.
- Park, S., Braunscheidel, M. J., and Suresh, N. C., Supply chain agility: The differential impacts of sensing and responding capabilities, Being revised for resubmission to *Production and Operations Management*; Requested to revise & resubmit, Mar 20, 2019.
- Krishnakumar, S., Kishore, R., and Suresh, N. C., E-Business Capabilities and Firm Performance: The Moderating Effects of Executive Attention Processes, Being revised for resubmission to *Production and Operations Management*. Being revised & resubmitted Sep 6, 2019.

Research Themes (current and past)

Current & recent research streams in supply chain management (with current and ex-doctoral students):

- *Supply chain agility*, impact of organizational culture on integration practices (with Michael Braunscheidel, Soomin Park)
- Value analysis-based purchasing management in healthcare industry (finished data collection) with Dr. Jurriaan de Jong. This is analogous to “strategic sourcing” in healthcare, aimed at augmenting value, while reducing cost via standardization of physician preferred items.
- *Strategic sourcing practices* (with Scott Ellis, Canan Kocabasoglu-Hillmer),
- *Logistics capabilities internal and via outsourcing practices* (with Soomin Park: data being collected).

- *Impact of ERP systems on firm, supply chain performance and agility* (with Dennis Jamrose; data being collected)
- *Impact of sustainability practices on financial performance in Korean chaebol and non-Chaebol companies* (with Donghyup Woo; data collection being completed).

Past Research streams

- Past research streams in lean manufacturing and cellular manufacturing systems: performance of dual resource constrained systems with chained labor flexibility in production cells; Design, Performance analysis and Optimization of virtual manufacturing cells.
- Design of cellular manufacturing systems, including development of pattern recognition methods based on artificial neural networks: part-machine grouping, and extension to part-machine & labor grouping methods, and dual resource constrained (DRC) systems.
- Cellular manufacturing systems: My work on developing *analytical models for the resolution of a long-standing paradox in cellular manufacturing* (my 2 papers published in *Decision Sciences*, and one in *Management Science*, in this stream are highly cited works in the field; the papers in *Decision Sciences* are among the 50 most-cited papers in the journal).
- Evaluation of flexible manufacturing systems (FMS) and robotics: economic justification, cost/benefit models for flexible automation, economic benefits of many types of flexibility, economies of scope etc. relating to CNC, Robotics and flexible manufacturing systems.

Methodological Familiarity

Have utilized a wide variety of methodologies: mathematical programming, queuing theory, simulation, artificial neural networks and, in recent years, empirical research methods utilizing survey data collection, and statistical methods such as structural equation modeling (SEM) and partial least squares (PLS).

Books & Book Chapters

- Braunscheidel, M. J. and Suresh, N. C., “Cultivating Supply Chain Agility: Managerial Actions Derived From Established Antecedents”, in *Supply Chain Risk Management: Advanced Tools, Models, and Developments*” (Ed. Yacob Khojasteh), Springer Publishing, 2017.

- Suresh, N.C. and Kay, J.M., (Eds.), *Group Technology & Cellular Manufacturing: A State-of-the-Art Synthesis of Research and Practice*, Kluwer Academic Publishers, Boston / Dordrecht / London, ISBN 0-7923-8080-0, 1998.

This book is a compendium of state-of-the-art articles by leading researchers and implementers in the area of cellular manufacturing, from many countries. The volume was brought out in collaboration with Professor John Kay, School of Industrial and Manufacturing Sciences, Cranfield University, UK, and dedicated to Professor John Burbidge, the Group Technology pioneer, who worked at Cranfield University for many years. (I was honored to be chosen as the lead editor, based on my visibility in this field). This volume includes the following chapters authored / co-authored by me:

- Suresh, N.C. and Kay, J.M., Group Technology and Cellular Manufacturing: Updated Perspectives, pp. 1-14 (opening chapter of the book).
- Suresh, N.C., Evaluation of Functional and Cellular Layouts Through Simulation and Analytical models, pp. 273-288.
- Riezebos, J., Shambu, S., and Suresh, N.C., Production Planning and Control Systems for Cellular Manufacturing, pp. 289-308.
- Park, S., and Suresh, N.C., CRM Systems: The application of Fuzzy ART neural network classifiers for customer grouping and buying pattern recognition, a book chapter appearing in *E-Commerce and Intelligent Methods*, (Eds.) J. Segovia, P.S. Szczepaniak, and M. Niedzwiedzinski, Springer-Verlag, Heidelberg, Germany, 2002.
- Suresh, N.C., "Neural Network Applications for Group Technology in Design and Manufacturing", invited book chapter, *Handbook of Computational Intelligence for Design and Manufacturing*, (Eds. A. Kusiak and J. Wang), CRC Press, Boca Raton, FL, 2000.

Other Publications

- Suresh, N. C., Multi-machine Manufacturing Systems: Preliminary Managerial Problems, *Operations Management Review*, Summer 1985.
- A Test Bank as part of the Instructor's Manual for the text Applied Production and Operations Management by J. R. Evans et al., West Publishing Company, 1984.
- Suresh, N. C., Financial Justification of Robotics in Multi-machine Systems, *SME Technical Paper* 85-603, Society of Manufacturing Engineers, Dearborn, MI, 1985.

Honors

- **Outstanding Senior Editor** Award, from *Decision Sciences Journal*, for the year 2013. Awarded at the DSI Annual Meeting at Baltimore, MD, Nov 16, 2013.

- Conferred title of **UB Distinguished Professor** with effect from September, 2008.
- Received **Sustained Achievement Exceptional Scholar Award**, a university-wide award at State University of New York, Buffalo, 2003.
- Alfred V. Bodine / Society of Manufacturing Engineers (SME) Award for Studies in Machine Tool Economics (medal and check for \$5,000) at International Machine Tool Manufacturers' Meet at Detroit, Michigan, 1985.
- Selected to participate in the Doctoral Consortium of the Decision Sciences Institute (DSI); entire graduate study funded through teaching / research assistantships.

Service to Academic Journals & Professional Institutions

- Senior Editor of *Decision Sciences* (February 2012 to November 2017); Received the “**Outstanding Senior Editor**” award for 2013 for service to this journal. I continue to provide editorial service to this journal.
- Editorial Advisory Board member, *Journal of Operations Management* (1995-2016)
- Serving as Member of the Publications Committee of Decision Sciences Institute (DSI) (2017- present).
- Presented in Mid-Career Faculty Development Consortium, Decision Sciences Institute (DSI) 49th Annual Meeting, Chicago, IL, Nov 17, 2018.
- Served as Coordinator, and Conducted the DSI Annual International Management **Case Competition** for 2017.
- Conducted the first **Workshop for new authors on Publishing in Decision Sciences Journal** at DSI National Meeting, Tampa, FL, November 2014.
- Conducted the second **Workshop for new authors on Publishing in Decision Sciences Journal** at DSI National Meeting, Seattle, WA, November 2015.
- Organized and conducted the **Elwood Buffa Dissertation Award Competition** for Decision Sciences Institute, 2010.
- Member, Doctoral Student Affairs, Committee, Decision Sciences Institute, since 2010.
- Associate Editor, *Decision Sciences*, 2010 - 2012.
- Associate Editor, *International Journal of Flexible Manufacturing Systems* 1995-2008.
- Consulting Associate Editor, *Journal of Operations Management* (1995).
- Member, Academic Advisory Council, **Confederation of Indian Industry, Institute of Logistics, India**, since December 2004.

- Organizing committee member, *Third International Conference on Group Technology / Cellular Manufacturing*, at University of Groningen, Netherlands, July 3-6, 2006.
- Guest Editor: N.C. Suresh and J. Slomp, for special issue on *Virtual and Non-traditional Manufacturing Cells*, Volume 17 (2), 2005.
- Guest editor (with V. Venugopal & J. Slomp) for special issue on *Manufacturing Cells, Integrated Manufacturing Systems- International Journal of Manufacturing Technology Management* (MCB University Press, UK), August 2001 issue.
- Guest editor (with G.J.C. Gaalman and J. Slomp) for a special issue on *Integration of Process Planning with Production Planning & Control of FMS, International Journal of Flexible Manufacturing Systems*, 11 (1), Feb 1999..
- Organizing committee member, *Second Group Technology / Cellular Manufacturing World Symposium 2003*, held at Columbus, Ohio, July 28-30, 2003.
- Organizing committee member, *First Group Technology / Cellular Manufacturing World Symposium 2000*, held at San Juan, Puerto Rico, March 27-29, 2000.
- Refereed numerous papers for the following journals:
 - *Production and Operations Management*
 - *Decision Sciences*
 - *Management Science*
 - *International Journal of Production Research*
 - *Journal of Operations Management*
 - *Naval Research Logistics*
 - *International Journal of System Science*
 - *European Journal of Operational Research*
 - *Production and Operations Management*
 - *Engineering Economist, IEEE Transactions on Engineering Management*
 - *Journal of Intelligent Manufacturing*
 - *INFOR (Information Systems and Operational Research)*
 - *Journal of Optimization Theory and Application, OMEGA: International Journal of Management Science* and others.
 - Many *National Science Foundation (NSF) grant proposals*, and several book proposals.
- Served as Chair, referee and discussant for numerous papers presented at Decision Sciences Institute (DSI) National Meetings, and INFORMS conferences.
- Co-organized / participated in workshops on cellular manufacturing; and as moderator for panel on Industry-Academia Interactions at DSI, INFORMS and other conferences.

Conference & Industry Presentations & Refereed Conference Proceedings Papers

- Suresh, N.C. (Author & Presenter), and Braunscheidel, M.J., Disentangling lean and agility: A configuration and contingency analysis of supply chain performance, 30th Annual Production & Operations Management Society (POMS) Annual Conference, Washington, D.C., May 2-6, 2019. (Also chaired this session on “Important Issues in Modern Supply Chain Management”).
- Krishnakumar, S.K., Kishore, R., and Suresh, N.C., Executive attention as an antecedent of firm omnichannel adoption, 30th Annual Production & Operations Management Society (POMS) Annual Conference, Washington, D.C., May 2-6, 2019.
- Suresh, N.C. (Author & Presenter), and Doering, T., "The impact of forecasting competence on performance and moderating effect of organizational integration", Decision Sciences Institute (DSI) 49th Annual Meeting, Chicago, IL, November 17-19, 2018.
- Woo, Donghyup, and Suresh, N.C., “The effect of corporate social responsibility on firm performance”, Decision Sciences Institute (DSI) 49th Annual Meeting, Chicago, IL, November 17-19, 2018.
- Park, Soomin, and Suresh, N.C., “The impact of logistics capabilities and strategic alignment on performance”, Decision Sciences Institute (DSI) 49th Annual Meeting, Chicago, IL, November 17-19, 2018.
- Song, Junghoon, de Jong, Jurriaan, and Suresh, N.C., “Hospital profile and structure on patient safety”, Decision Sciences Institute (DSI) 49th Annual Meeting, Chicago, IL, November 17-19, 2018.
- Jamrose, D. (Author & Presenter), Suresh, N. (Author & Presenter), Annual National Meeting of Decision Sciences Institute (DSI), "Contribution of an ERP system to manufacturing performance based on system utilization," Decision Sciences Institute (DSI), Washington, DC. (November 17, 2017).
- Woo, D. (Author & Presenter), Suresh, N. (Author & Presenter), Annual National Meeting of Decision Sciences Institute (DSI), "Corporate Social Strategy of Korean Firms," Decision Sciences Institute (DSI), Washington, DC. (November 17, 2017).
- Junghoon, S. (Author & Presenter), deJong, J. (Author & Presenter), Suresh, N. (Author & Presenter), Annual National Meeting of Decision Sciences Institute (DSI), "Focused factory and competition in the healthcare industry," Decision Sciences Institute (DSI), Washington, DC. (November 17, 2017).
- Park, S. (Author & Presenter), Suresh, N. (Author & Presenter), Annual National Meeting of Decision Sciences Institute (DSI), "Performance of Effects of Logistics Capabilities with Strategic and Functional Alignment," Decision Sciences Institute (DSI), Washington, DC. (November 17, 2017).

- Zahiri, B., de Jong, J., and Suresh, N.C., Design of a resilient hazardous material network considering perishability, 28th Annual Production & Operations Management Society (POMS) Annual Conference, Seattle, WA, May 5-8, 2017.
- de Jong, J., Suresh, N.C., Healthcare sourcing excellence and procurement performance: Evidence from Indian healthcare industry, 28th Annual Production & Operations Management Society (POMS) Annual Conference, Seattle, WA, May 5-8, 2017.
- Doering, T., Suresh, N.C., de Jong, J., Wang, C.X., The effects of supply chain integration: The impact of two competing national culture frameworks, 28th Annual Production & Operations Management Society (POMS) Annual Conference, Seattle, WA, May 5-8, 2017.
- Suresh, N.C., Braunscheidel, M.J., Park, S., A configuration and contingency analysis of internal and external integration on supply chain agility, 28th Annual Production & Operations Management Society (POMS) Annual Conference, Seattle, WA, May 5-8, 2017.
- Jhang, S., Ogden, J.P., and Suresh, N.C., Product market status, trade credit and firm value, DSI National Meeting, Austin, TX, November 19-22, 2016.
- Jamrose, D., and Suresh, N.C., ERP system utilization and manufacturing performance: A resource advantage perspective on the interaction of an ERP with AMT and Lean, DSI National Meeting, Austin, TX, November 19-22, 2016.
- Park, S., and Suresh, N.C., The role of logistics outsourcing on performance effects of the logistics function, DSI National Meeting, Austin, TX, November 19-22, 2016.
- Choi, J.H., and Suresh, N.C., Linking green purchasing capabilities to environmental and economic performance, DSI National Meeting, Austin, TX, November 19-22, 2016.
- Doering, T., and Suresh, N.C., The impact of cultural antecedents of collaboration on supply chain performance in international manufacturing contexts, DSI National Meeting, Austin, TX, November 19-22, 2016.
- Park, S., and Suresh, N.C. A study of logistics outsourcing based on theory of production competence, 27th Annual Production & Operations Management Society (POMS) Annual Conference, Orlando, FL, May 6-9, 2016.
- Song, J., de Jong, J., and Suresh, N.C. An investigation of focus, quality and competition in hospitals, 27th Annual Production & Operations Management Society (POMS) Annual Conference, Orlando, FL, May 6-9, 2016.
- Doering, T., and Suresh, N.C., Contrasting culture effects in OM research – GLOBE, Hofstede and organizational culture, DSI National Meeting, Seattle, WA, November 21-24, 2015.
- Park, S., and Suresh, N.C., The impact of sensing and response capabilities on supply chain performance, DSI National Meeting, Seattle, WA, November 21-24, 2015.

- Woo, D., and Suresh, N.C., Data envelopment analysis on corporate social responsibility of Korean business groups, DSI National Meeting, Seattle, WA, November 21-24, 2015.
- Song, J., de Jong, J., and Suresh, N.C., Focus, competition and quality in healthcare, DSI National Meeting, Seattle, WA, November 21-24, 2015.
- Jhang, S., Lin, W.T., and Suresh, N.C., Trade credits and inventory decisions, DSI National Meeting, Seattle, WA, November 21-24, 2015.
- Suresh, N.C., (workshop coordinator), Publishing in Decision Sciences Workshop, DSI National Meeting, Seattle, WA, November 21-24, 2015.
- Park, S., and Suresh, N.C., A Reconceptualization of Supply Chain Agility Based On an Alternative Framework of Flexibilities, 26th Annual Production & Operations Management Society (POMS) Annual Conference, Washington, D.C., May 8-11, 2015.
- Doering, T., and Suresh, N.C., A new forecasting management construct and its impact on accuracy, operational and delivery performance, 26th Annual Production & Operations Management Society (POMS) Annual Conference, Washington, D.C., May 8-11, 2015.
- Jamrose, D., and Suresh, N.C. A meta-analysis of ERP impact on firm performance, 26th Annual Production & Operations Management Society (POMS) Annual Conference, Washington, D.C., May 8-11, 2015.
- Park, S., and Suresh, N.C., Supply Chain Flexibilities and Agility: An Updated Taxonomy and Perspective, DSI National Meeting, Tampa, FL, November 22-25, 2014.
- Suresh, N.C., (workshop coordinator), Publishing in Decision Sciences Workshop, DSI National Meeting, Tampa, FL, November 22-25, 2014.
- Kentucky Antecedents of Supply Chain Agility for Risk Mitigation and Response in a Changing World , 4th Annual Supply Chain Forum, Gatton College of Business s& Economics, Executive Education Center, University of Kentucky, Lexington, KY, March 21, 2014.
- Presented *an invited workshop* on Virtual cells, worker flexibility and emerging issues in lean production, in global supply chains, 2013 Asian Conference of management Science & Applications, at Kunming University of Science & Technology, Kunming, China, December 21-23, 2013.
- Jamrose, D., and Suresh, N.C., A meta-analysis of studies on ERP systems and their impact on organizational performance, DSI National Meeting, Baltimore, MD, Nov 16, 2013.
- Kao, T., Zhao, Y., and Suresh, N.C., An investigation of substitutability, stochastic lead time, and random shelf life on performance of perishable product supply chain, DSI National Meeting, Baltimore, MD, Nov 17, 2013.
- Suresh, N.C., Optimizing the performance of lean manufacturing cells with selective cross-training based on chained labor flexibility, International Decision Sciences Institute (DSI) and Asia Pacific Decision Sciences Institute Conference, Bali,. Indonesia, July 9-13, 2013.

- Doering, T. and Suresh, N.C., An investigation of demand forecasting processes on forecast accuracy, operational cost and performance, (accepted for publication), *Proceedings of European Operations Management Association Conference*, Dublin, Ireland, June 7-12, 2013.
- Mathien, L., and Suresh, N.C., An empirical investigation of production competence theory to logistics outsourcing, 24th Production & Operations Management Society (POMS) Conference, Denver, CO, May 3-6, 2013.
- Suresh, N.C., Optimal performance of lean manufacturing cells with chained labor flexibility, DSI National Meeting, San Francisco, CA, Nov 20, 2012.
- Chiang, C.Y., Lin, W, and Suresh, N.C., The empirical examination of the influence of demand misspecification on supply chain performance, DSI National Meeting, San Francisco, CA, Nov 20, 2012.
- Suresh, N.C., Supply Chain Risk Mitigation, Response and Organizational Antecedents, (*invited as keynote speaker for the 7th year in a row*), 7th Global Summit on Supply Chain & Logistics Management, All India Management Association, New Delhi, India, Aug 3-4, 2012.
- Suresh, N.C., Explorations into supply chain agility: A Research presentation, invited guest lecture, Faculty of Business & Economics, University of Groningen, Groningen, Netherlands, July 13, 2012.
- Suresh, N.C and Braunscheidel, M.J., The Impact of Skill Chaining and Selective Cross Training in Lean Production Systems, 23rd Production & Operations Management Society (POMS) Conference, Chicago, IL, April 20-23, 2012.
- Jamrose, D., and Suresh, N. C., Protection of intellectual properties in outsourcing relationships: A review, and emerging research issues, 23rd Production & Operations Management Society (POMS) Conference, Chicago, IL, April 20-23, 2012.
- Chuang, C.H., Suresh, N.C., and Zhao, Y., Decentralized reverse supply chain with remanufacturing: Reverse supply chain performance and business performance, DSI National Meeting, Boston, MA, November 19-22, 2011.
- Mathien, L.D., and Suresh, N.C., Analysis of traditional vs. virtual fulfillment in an e-business environment, DSI National Meeting, Boston, MA, November 19-22, 2011.
- Fortsch, S., Suresh, N.C. and Wang, X., An investigation of supply chain responsiveness through speed of adjustment of inventory, DSI National Meeting, Boston, MA, November 19-22, 2011.
- Suresh, N.C., Effective Supply Chain Management for Global Competitiveness, delivered at Buffalo and broadcast over Internet to executives in Latvia by Riga Business School, Riga, Latvia, Nov 10, 2011.
- Suresh, N.C., Strategic Sourcing Practices: A Key Differentiator for Global Competitiveness, (invited keynote presentation), 6th Global Summit on Supply Chain &

Logistics Management, All India Management Association, New Delhi, India, Aug 18-19, 2011.

- Choi, J.H., and Suresh, N.C., The productive efficiency of hospitals in the United States between 1996 and 2008, presented at DSI National Meeting, San Diego, CA, November 20-23, 2010.
- Hsieh, Wen-Cheng, and Suresh, N.C., An empirical study of supply decision processes in healthcare industry, presented at DSI National Meeting, San Diego, CA, November 20-23, 2010.
- Suresh, N.C., Braunscheidel, M.J. and Kocabasoglu Hillmer, C., An empirical investigation of strategic sourcing, information AMT & e-procurement on supply chain performance, presented at DSI National Meeting, San Diego, CA, November 20-23, 2010.
- Suresh, N.C., Building Sustainable Supply Chains: Key Differentiator for Global Competitiveness, (invited keynote presentation), 2-Day Global Summit, All India Management Association, New Delhi, India, Aug 13-14, 2010.
- Suresh, N.C., Global Businesses & Supply Chains: Current Trends & Emerging Issues, (invited presentation), JK Business School, Gurgaon, New Delhi, India, Aug 12, 2010.
- Suresh, N.C., An Analysis of Virtual cellular manufacturing Systems & worker flexibility issues, in global supply networks, invited presentation, School of Business, Xiamen University, Xiamen, China, July 20, 2010.
- Kim, M, and Suresh, N.C., Impact of Strategic Sourcing, E-procurement and Integration on Supply Chain Risk Mitigation & Performance, presented and paper published in conference proceedings, 4th International Conference on Operations and Supply Chain Management (ICOSCM), Guangzhou, China, July 29-31, 2010.
- Suresh, N.C. Leveraging SCM for global competitiveness: Innovative Practices, Invited Talk, Madras Management Association, Chennai, India, January 5, 2010.
- Braunscheidel, M.J., and Suresh, N.C., Supply chain resilience: A preliminary assessment, presented at DSI National Meeting, New Orleans, LA, November 14-17, 2009.
- Suresh, N.C., Manufacturing & Global Supply Chains: The Megatrends, invited key speech, note speaker at *Symposium: Ingrediënten van de Fabriek van de Toekomst*, Faculty of Economics & Business, University of Groningen, Netherlands, October 30, 2009.
- Suresh, N.C., Optimizing your supply chain for global competitiveness, invited keynote presentation, Export Now series, World Trade Center, Buffalo Niagara, September 30, 2009.
- Suresh, N.C., Emerging trends: Leveraging supply chain management for global competitiveness: Innovative Practices, (invited keynote presentation), 2-Day Global Summit, All India Management Association, New Delhi, India, Aug 21-22, 2009.

- Suresh, N.C., Performance comparisons of cellular manufacturing and functional layout using chained labor flexibility, presented and paper published in conference proceedings, 3rd International Conference on Operations and Supply Chain Management (ICOSCM), Wuhan, China, July 28-30, 2009.
- Choi, Jeong Hoon, Hancock, Philip, G., and Suresh, N.C., An empirical study of purchasing portfolio models in the healthcare industry, presented at DSI National Meeting, Baltimore, MD, November 22-25, 2008.
- Hsieh, Wen-cheng, Suresh, N.C. and Kocabasoglu, C., The role of flexibility in the context of strategic sourcing and performance, presented at DSI National Meeting, Baltimore, MD, November 22-25, 2008.
- Kim, Minkyun, Suresh, N.C., and Kocabasoglu-Hillmer, Canan, Role of manufacturing flexibility in supply chain risk management, presented (and chaired the session on Supply Chain Risk management) at DSI National Meeting, Baltimore, MD, November 22-25, 2008.
- Chiang, Chungyeon and Suresh, N.C., Supply chain risk management: Technology, sourcing and information, presented (and chaired the session on Supply Chain Risk management) at DSI National Meeting, Baltimore, MD, November 22-25, 2008.
- Braunscheidel, M.J. and Suresh, N.C., The impact of lean practices on customer satisfaction, presented at INFORMS, Washington, DC, October, 2008.
- Suresh, N.C., Emerging trends: Reengineering supply chain management & logistics for global competitiveness, (invited keynote presentation), 2-Day Global Summit, All India Management Association, New Delhi, India, Aug 8-9, 2008.
- Slomp, J., Stecke, K.E., and Suresh, N.C., Design of virtual cellular manufacturing systems: An improved real-time optimization procedure, Proceedings of European Operations Management Association (EUROMA) conference, Groningen, Netherlands, June 15-18, 2008.
- Braunscheidel, M.J. and Suresh, N.C., The impact of cultural orientation on supply chain integration practices, Proceedings of European Operations Management Association (EUROMA) conference, Groningen, Netherlands, June 15-18, 2008.
- Ellis, S.C., Suresh, N.C. and Henke, Jr., J.W., Supplier relationship portfolio theory, An empirical analysis, presented at DSI National Meeting, Phoenix, AZ, November 18-21, 2007.
- Braunscheidel, M.J. and Suresh, N.C., The impact of lean practices on customer satisfaction, presented at DSI National Meeting, Phoenix, AZ, November 18-21, 2007.
- Suresh, N.C., Infrastructure, Logistics & SCM: Key Developments in China: 1988-2007, (invited presentation), Logistics 2007 Conference, Chennai, India, September 23-24, 2007.
- Suresh, N.C., (Invited, all-expenses-paid presentation), Virtual Cellular Manufacturing Systems: Emerging Research Issues in Global Manufacturing & Supply Chain Contexts,

Proceedings of 6th International Conference of Management, sponsored by National Natural Science Foundation of China, Wuhan, China, August 3-6, 2007.

- Suresh, N.C., Pooling loss in cellular manufacturing: Updated perspectives and expanded models, presented at POMS National Meeting, Dallas, TX, May 4-7, 2007.
- Braunscheidel, M.J., and Suresh, N.C., A contextual investigation of the adoption of lean and flexible manufacturing practices, co-presented at POMS National Meeting, Dallas, TX, May 4-7, 2007.
- Suresh, N.C., Global Supply Chains: Current Trends & Emerging Issues, invited presentation to Senior Executives of TVS Logistics, Chennai, December 22, 2006.
- Chaired a session on Supply Chain Best Practices, Auto SCM: Indian Automotive Supply Chain Conference & Exposition, Chennai, India, Dec 12, 2006.
- Jeong, Bong-Keun, Park, S., and Suresh, N.C., An Experimental Investigation of the Performance of Sequence-based Clustering in Web Usage Mining, *Proceedings of DSI National Meeting*, San Antonio, TX, Nov 17-20, 2006.
- Suresh, N.C., *Cellular Manufacturing & Next Generation Production Methods: Evolution and Trends in N. America and W. Europe*, invited presentation to senior executives, World Headquarters of Samsung, Suwon, S. Korea, Oct, 17, 2006.
- Suresh, N.C., Group Technology / Cellular Manufacturing: Towards New Applications Frontiers, (keynote presentation), *3rd International Conference on Group Technology / Cellular Manufacturing*, Groningen, Netherlands, July 3-5, 2006.
- Suresh, N.C., Performance of virtual cellular manufacturing under chained labor flexibility, DSI National Meeting, San Francisco, CA, Nov 19-22, 2005.
- Braunscheidel, Michael, Hamister, James, Star, Harold, & Suresh, N.C., Empirical research on the motivations for adopting Six Sigma performance improvement programs, DSI National Meeting, San Francisco, CA, Nov 19-22, 2005.
- Ellis, Scott, and Suresh, N.C., Building a conceptual model of supplier development adoption using an expectancy-valence framework, DSI National Meeting, San Francisco, CA, Nov 19-22, 2005.
- Ryu, Chung Suk, and Suresh, N.C., An investigation of the impacts of two VMI systems on supply chain performance, DSI National Meeting, San Francisco, CA, Nov 19-22, 2005.
- Ryu, Chung Suk, and Suresh, N.C., An investigation of the impacts of consignment and VMI on supply chain performance, INFORMS Annual Meeting, San Francisco, CA, Nov 13-16, 2005.
- Suresh, N.C., Loss of pooling synergy in cellular manufacturing: The labor dimension, INFORMS Annual Meeting, San Francisco, CA, Nov 13-16, 2005.
- Suresh, N.C., (keynote speech & presentation), Technology & Knowledge Initiatives, Logistics 2005 Conference, Mumbai, India, October 27-28, 2005.

- Suresh, N.C., Retail management: Need for Balancing Efficient & Responsive Supply Chains, Confederation of Indian Industry, Mumbai, India, October 29, 2005.
- Park, Sungjune, Suresh, N.C., and Kim, Tae-Sung, Web User Navigation Prediction: An Integrated Model Using Sequence-based Clustering and Markov Chain, *Proceedings of Web 2005: Fourth Workshop on E-business*, Las Vegas, NV, Dec 10, 2005.
- Suresh, N.C., CPFR, ECR and Quick Response in Retail management, Confederation of Indian Industry, Mumbai, India, October 29, 2005.
- Suresh, N.C., Product-process design embedded in supply chain strategy, a presentation to Philips executives, Drachten, Netherlands, March 10, 2005.
- Suresh, N.C., New Imperatives for Reinventing Businesses in Global Supply Chain Contexts, invited opening presentation at conference on Reinventing Global Business Strategy: Building Your Business and Global Supply, organized by World Trade Center Buffalo Niagara, March 10, 2005.
- Park, S., and Suresh, N.C., An Investigation of the Roles of Electronic Marketplace in the Supply Chain, *Proceedings of HICSS 38 Conference*, 161- 171, Jan 03-06, Hawaii, 2005.
- Suresh, N.C., QR & CPFR: Two Industry Initiatives for Pull-based Systems, (invited presentation) in a 2-day seminar on Lean Supply Chain management organized by Confederation of Indian Industry, Chennai, India, January 6, 2005; and at New Delhi, January 10, 2005.
- Suresh, N.C., Supply Chain management: A Global Perspective, invited presentation, OPTIMA 2004 Conference, Chennai, India, December 15-16, 2004.
- Suresh, N.C., and Park, J., A Performance Comparison of Traditional and CPFR-linked Supply Chains, DSI National Meeting, Boston, MA, Nov, 2004.
- Laddha, P.R., and Suresh, N.C., Supply Chain Design: A Modeling Approach Integrating Modularity, Part Commonality and Postponement, DSI National Meeting, Boston, MA, Nov, 2004.
- Hamister, J., and Suresh, N.C., The impact of pricing policy on demand variability and profitability in the supply chain, DSI National Meeting, Boston, MA, Nov, 2004.
- Slomp, J., Chowdary, B.V., and Suresh, N.C., Design of Virtual Manufacturing Cells, *Proceedings of Factory Automation and Information management (FAIM) 2004 conference*, Toronto, Canada, July 12-14, 2004.
- Suresh, N.C., Integrated Product-Process Network Design for Supply Chains, (invited presentation), Operational Strategies and Implementation Issues in Logistics and Supply Chain management, sponsored by All India Council for Technical Education and Indian Society for Technical Education, held at Thiagarajar College of Engineering, Madurai, India, June 29, 2004.

- Wijngaard, J., and Suresh, N.C., The Effect of Foreknowledge of Demand Given Restricted Capacity: A Multi-product Case Using Time and Product Aggregation, *Proceedings of Thirteenth International Working Seminar on Production Economics*, Congress Igls / Innsbruck, Austria, Feb 18, 2004, pp. 555-592.
- Braunscheidel, M. and Suresh, N.C., Quality function deployment for design of supply chain networks, DSI National Meeting, Washington D.C., Nov 22-25, 2003.
- Laddha, P. R. and Suresh, N.C., A mass customization approach based on early involvement of customers in design, DSI National Meeting, Washington D.C., Nov 22-25, 2003.
- Suresh, N.C., Strategic Sourcing and Supply Chain Management, (Invited half-day presentation to Purchasing executives of Delphi Thermal Systems, World Headquarters), Lockport, NY, Sep 25, 2003.
- Suresh, N.C., Changing Face of Global Markets: Reinventing Businesses and Global Supply Chains, (Invited Talk), International Association of Die Cutting and Die Manufacturing (IADD) Annual meeting, Niagara Falls, Ontario, Canada, Sep 20, 2003.
- Suresh, N.C., Cellular Manufacturing: Resolution of a Long-standing Paradox Through Analytical and Simulation Modeling, (Invited Talk), Center for Mathematical Modeling and Computer Simulation (CMMACS-CSIR), Bangalore, India, Aug 22, 2003.
- Suresh, N.C., Future Research Issues in GT/CM, Invited Presentation, Group Technology / Cellular Manufacturing World Symposium 2003, Columbus, OH, July 2003.
- Slomp, J., Chowdary, B.V., and Suresh, N.C., Design and operation of virtual manufacturing cells, *Proceedings of Factory Automation and Information management (FAIM) 2003 conference*, Tampa, FL, June 2003.
- Kocabasoglu, C. and Suresh, N.C., Does Strategic Sourcing Improve Supplier Performance?: An Empirical Investigation N.C., *Proceedings of Euroma / POMS Conference*, Lake Como, Italy, June 16-18, 2003.
- Suresh, N.C., and Kocabasoglu, C., Performance Evaluation of Virtual Cells In Dual Resource Constrained (DRC) Settings", DSI National Meeting, San Diego CA, Nov 23-26, 2002.
- Suresh, N.C., invited lecture, "Collaborative Planning, Control and Replenishment (CPFR) in Supply Chains" at Annual Meeting of American Society for Quality (ASQ), Buffalo, Oct 2002.
- Suresh, N.C., Performance of virtual cellular manufacturing in machine-labor constrained systems, INFORMS Annual Meeting, Nov 17-20, 2002, San Jose, CA.
- Suresh, N.C., and Kocabasoglu, C., Performance of Dual Resource Constrained Cellular manufacturing: Updated perspectives and experimental reconciliation, *Proceedings of DSI National Meeting*, San Francisco, CA, Nov 17-20, 2001.

- Gaalman, G.J.C., Land, M.J., and Suresh, N.C., Work load control policies for dual resource constrained job shops, *Proceedings of Factory Automation and Intelligent Manufacturing (FAIM) 2001 Conference*, Dublin, Ireland, July 16-18, 2001.
- Suresh, N.C., Park, S., and Kocabasoglu, C., A review of models and methods for assessing the impact of collaborative planning, forecasting and replenishment (CPFR) on supply chain performance, POMS National Meeting, Orlando, FL, March-April 2001.
- Kocabasoglu, C., Glassberg, B., and Suresh, N.C., Impact of organizational improvement strategies on firm performance: A critical appraisal, taxonomy and review of research, presented at POMS National Meeting, Orlando, FL, March-April 2001.
- Suresh, N.C., Slomp, J., and Park, S., Labor assignment and grouping in cellular manufacturing: A multi-objective methodology, *Proceedings of DSI National Meeting*, Orlando, FL, November 2000.
- Suresh, N.C., E-commerce and supply chains: Implications for research in operations planning and control, Faculty of Management & Organization, University of Groningen, Netherlands, July 2000.
- Suresh, N.C., Neural networks for design of cellular layouts, Evolution and emergence of two new application areas, *Proceedings of Group Technology / Cellular Manufacturing World Symposium 2000*, pp. 29-34, San Juan, Puerto Rico, March 2000.
- Grevins, J., Sanders, L., and Suresh, N.C., The role of project management software in project management process and project success, in *Proceedings of Project Management Research Institute Conference 2000*, Paris, France, June 21-24, 2000.
- Suresh, N.C., Part, Machine and Labor Grouping For Cellular Manufacturing: An Empirically-Driven, Multi-objective Methodology, Indian Institute of Management, Bangalore, India, December 3, 1999.
- Suresh, N.C., Reorganizing the Factory Into Cells: A Multi-objective Procedure for Part, Machine & Labor Grouping, at Indian Institute of Technology, Bombay, India, Dec 4, 1999.
- Suresh, N.C., and Gaalman, G.J.C., Performance evaluation of cellular layouts: extension to DRC system contexts, *Proceedings of 15th International Conference on Production Research (ICPR)*, Limerick, Ireland, August 1999.
- Park, S., and Suresh, N.C., Sequence-Dependent Part Family Formation: Comparison of Hierarchical Clustering Methods with Fuzzy ART Neural Network, *INFORMS National Meeting*, Cincinnati, Ohio, May 2-5, 1999.
- Slomp, J. and Suresh, N.C., Formation of teams in a multi-shift situation, *Proceedings of International Conference on Flexible Automation and Intelligent Manufacturing (FAIM '99)*, Tilburg, Netherlands, June 23-25, 1999 (chaired the session).
- Suresh, N. C., Park, S., and Kaparathi, S., Identification of part families with similar routing sequences: The application of neural networks, *Proceedings of DSI National Conference*, Las Vegas, NV, 1998.

- Suresh, N.C., Towards a Resolution of the Cellular Manufacturing Paradox, invited lecture for PRAXAIR seminar series, Industrial Engineering Department, State University of New York, September, 1997.
- Suresh, N.C., Design / Reengineering of manufacturing systems: Updated perspectives” invited presentation at Twente School of Management (TSM), University of Twente, Enschede, Netherlands, Summer 1997.
- Suresh, N.C. and Pegels, C.C., Empirical research of TQM and its impact on firm performance, *Proceedings of 3rd International Conference of European Operations Management Association: Manufacturing Strategy: Operations Strategy in a Global Context*, London, UK, June 2-4, 1996.
- Suresh, N.C., Flexibility representations for economic justification of FMSs, INFORMS Fall Meeting, Atlanta, 1996.
- Suresh, N.C. and Bhattacharjee, S., A synthesis of neural networks and mathematical programming for solving the capacitated cell formation problem, INFORMS Fall meeting, New Orleans, 1995.
- Parente, D., and Suresh, N.C., A taxonomy of inter-functional TQM literature, INFORMS Fall Meeting, New Orleans, 1995.
- Slomp, J., Molleman, H.B.M., and Suresh, N.C., Empirical investigation of the performance of cellular manufacturing systems, *Proceedings of European Operations Management Association (EurOMA) Conference: Management and New Production Systems*, Enschede, Netherlands, pp. 432- 441, 1995.
- Suresh, N.C., Performance improvements with sequencing flexibility: analytical insights and experimental investigation, *Proceedings of DSI National Meeting*, Hawaii, pp. 1817-1819, 1994.
- Kaparathi, S. and Suresh, N.C., Machine sequence-based cell formation, *Proceedings of DSI National Meeting*, Hawaii, pp. 1646-1648, 1994.
- Slomp, J., Molleman. E and Suresh, N.C., Manufacturing cell formation: Findings from an empirical study of several Dutch firms, *Proceedings of DSI National Meeting*, Hawaii, pp. 1643-1645, 1994.
- Suresh, N. C., "Coping with the loss of pooling synergy in cellular manufacturing: a dual-constrained analysis", *Proceedings of 4th International Production Management Conference (Management of New Production Systems)*, London, U.K., April 1993.
- Suresh, N. C., Job shops and cellular manufacturing: a dual-resource-constrained system comparison, published in *Proceedings of DSI National Meeting*, 1993.
- Kaparathi, S. and Suresh, N. C., Cell formation techniques for large data sets, published in *Proceedings of DSI National Meeting*, 1993.

- Suresh, N. C., Cellular versus functional layouts: a concise summary of the implications of recent analytical models, *DSI National Meeting*, 1993.
- Suresh, N. C., Job shops and cellular manufacturing: a dual-resource-constrained system comparison, *Proceedings of DSI National Meeting*, 1993.
- Suresh, N.C., The Relative Advantage From Cellular Manufacturing As A Function of Setup Times, *Proceedings of DSI National Meeting*, 1992.
- Suresh, N. C., The Performance of Hybrid Group Technology Systems, to be presented, and published in *Proceedings of DSI National Meeting*, 1991.
- Wang, C., Pegels, C. and Suresh, N. C., A Study of Competitive Success Factors of Small Business Firms, *Proceedings of DSI National Meeting*, 1991.
- Suresh, N. C., A Unified Multi-objective Methodology For The Design and Evaluation of Flexible Automation Systems, presented and published in *Proceedings of 3rd International Production Management Conference (Management of New Production Systems)*, Gothenburg, Sweden, May 1991.
- Sarkis, J., Lotfi, V. and Suresh, N. C., Financial justification of AMTs using expansion flexibility, published in *Proceedings of DSI Conference*, 1990
- Suresh, N. C., A goal programming formulation for the incremental implementation of FMS modules, ORSA/TIMS Conference, Las Vegas, May 1990
- Suresh, N. C., A multi-objective, multi-period replacement model for flexible automation investments, POM-90 Conference, Washington D.C., Oct 1990
- Kaparathi, S., Cordeiro, J. and Suresh, N. C., Impact of product flexibility on the systematic risk of an FMS investment, published in *Proceedings of DSI Conference*, 1990.
- Kaparathi, S. and Suresh, N. C., AMT, competitive advantage and agency theory implications for design of management control systems, POM-90 Conference, Washington D. C., Oct 1990
- Sarkis, J. and Suresh, N. C., A trans-shipment model for the multi-machine replacement problem, POM-90 Conference, Washington, D. C., Oct 1990.
- Suresh, N. C., H. R. Rao and S. Kaparathi, 'An Expert System for the Strategic Planning, Evaluation and Acquisition of Manufacturing Process Technologies,' *Proceedings of Third International Conference on Expert Systems and Leading Edge in Production/Operations Management*, May 1989.
- Suresh, N C, The Design of GT Flow Lines: Insights from Queuing Models, *Proceedings of National DSI Meeting*, New Orleans, 1989.
- Suresh, N C and J Sarkis, 'A MIP Formulation and Solution for the Phased Implementation of FMS Modules', *Proceedings of Third ORSA/TIMS Conference on FMS*, MIT, Cambridge, MA., 1989, (Elsevier Science Publishers, Amsterdam).

- Suresh, N.C., Risk Analysis Methodology for Flexible Assembly Systems at the ORSA/TIMS Conference at New Orleans in May 1987.
- Suresh, N. C., Financial Justification of Robotics in Multi-machine Systems, *Robots 9 Proceedings*, Society of Manufacturing Engineers, Dearborn, MI, 1985.
- Suresh, N. C. and Meredith, J. R., A Generic Approach to Justifying Flexible Manufacturing Systems, *Proceedings of First ORSA/TIMS Conference on FMS*, Ann Arbor, MI, 1984.
- Meredith, J. R. and Suresh, N. C., Micro Computers in Production Operations Management, *Proceedings*, DSI National Meeting, Toronto, 1984.

Ph. D. Dissertation Committees

Ph.D. Dissertation Committees Chaired / Co-chaired

1. Krishnakumar, Sreejith,
2. Zahiri, Behzad
3. Doering, Torsten
4. Park, Soomin
5. Jamrose, Dennis,
6. Song, Junghoon,
7. Woo, Donghyup,
8. Fortsch, Sima (current: co-Chair, with Prof. Winston Lin): (Optimal forecasting & ordering methods to reduce waste and increase blood availability in health care supply chains).
9. Mathien, Lorena : (Chair): An empirical investigation of the antecedents and validity of five theory bases of logistics outsourcing decisions (completed September 2012). **Awarded Institute of Supply Management (ISM) doctoral dissertation grant (\$ 6,000) for 2012.**
10. Choi, Jeong Hoon (co-Chair, with Prof. Winston Lin): An empirical investigation of cost efficiencies in the health care industry (completed August 2011).
11. Chiang, Chung-Yean (co-Chair, with Prof. Winston Lin): An econometric investigation of the bullwhip effect- The influence of demand and supply in the US automotive industry (August 2011).
12. Kim, Minkyun (Chair): Impact of strategic sourcing, e-procurement and integration on supply chain risk mitigation and performance (completed April 2010).
13. Hamister, James (Chair), *Impact of Category Management Practices on Fast Moving Consumer Goods (FMCG) Supply Chains*, 2007. **Awarded Institute of Supply Management (ISM) doctoral dissertation grant (\$12,000) for 2007.**

14. Ellis, Scott (Chair), *Empirical Validation of Supplier Portfolio Management Theory in US Automotive Industry*. 2007. **Awarded The Elwood S. Buffa Doctoral Dissertation Competition Award for the best dissertation in 2008 (sponsored by McGraw Hill Irwin) at DSI National Meeting, Baltimore, MD, November 25, 2008.**
15. Ryu, Chung Suk, (Chair), *An Investigation of Impacts of Advanced Coordination Mechanisms on Supply Chain Performance: Consignment, VMI I, VMI II, and CPFR* (2006).
16. Braunscheidel, Michael, (Chair), *Antecedents of Supply Chain Agility: An Empirical Investigation*, (2005).
17. Sung June Park, (Chair), *IT-enabled Supply Chain Management: Impact of Inter-organizational Information Systems on Supply Chain Performance* (2002).
18. Canan Kocabasoglu-Hillmer, (Chair), *An Empirical Investigation of Strategic Sourcing and e-Procurement Practices on Supply Chain Performance*, **Awarded doctoral dissertation grant from Institute of Supply Management (ISM), \$5,000 (2002).**
19. Janis Grevins (co-chair, with Prof. Lawrence Sanders), *The Effects of Project Team Virtuality on Project Performance*. (2002).
20. Diane Parente (co-Chair, with Prof. C. Carl Pegels), *Assessing the Impact of Manufacturing-Marketing Relationship on the Customer: A Multiple Informant Perspective*. (1997).
21. Girish Shambu (Chair), *The Performance of Hybrid Cellular Manufacturing Systems: A Computer Simulation Investigation* (1993).
22. Shashidhar Kaparathi (Chair), *Cell Formation Techniques for Large Industry Data Sets*. (1993).
23. Joseph Sarkis (co-Chair, with Prof. Vahid Lotfi), *Models for Implementing Advanced Manufacturing Systems*, (1991).

Ph.D. Dissertation Committee Member

- | | |
|---|--|
| 1. James Kinyon; | 2. Wun Hwa Chen |
| 3. Chien Hwa Wang | 4. Christopher Oboth (IE Dept.) |
| 5. Junru He | 6. Bao Min Shao |
| 7. Seung Kyoon Shin | 8. Jan Riezebos (Groningen, Netherlands) |
| 9. Yong Jin Kim | 10. Esra Aleisa (IE Dept.) |
| 11. Jos Bokhorst (Groningen, Netherlands) | 12. Hyunjeong Kang |
| 13. Junghoon Moon | 14. Al Giuffrida (IE Dept.) |
| 15. Chuel Rhee | 16. Xiao Wang (IE Dept.) |
| 17. Jingyang Xu (IE Dept.) | 18. Chia Hung Chuang |
| 19. Lifang Gao | 20. Jennifer Basille |
| 21. Il Young Jung | 22. Imsu Park |

▪ **Outside Reader:**

Have served as external reader for many Ph.D. dissertations in other universities: e.g., Gert Nomden, Dmitry Krushinsky at University of Groningen, Netherlands.

Selected Service Contributions

Curriculum Development Highlights:

- Developed curriculum and proposed a new **MS Degree in Sustainable Transportation & Logistics** (received approval from SUNY Board of Trustees at Albany, NY). The first batch of students in this program are graduating in 2017-18. This MS degree is offered jointly with the School of Engineering (Industrial, Transportation & Computer Science departments). This is in addition to the current MS degree in supply chain & operations management offered by UB School of Management.
- Have successfully proposed & introduced a new **concentration on supply chain & operations management** in the undergraduate program of **UB-Singapore Institute of Management**, starting Fall 2015 at **Singapore**.
- Developed proposal & implemented **SAP University Alliance** program. Also coordinated the construction of a **state-of-the-art 4-work station laboratory**. We now teach courses such as Production & Inventory Management on SAP platform. Our students have found this to add significant value to their resumes.
- Have developed **numerous internship opportunities for our students** in supply chain and logistics management in Western New York manufacturing and service firms over the years. Currently developed **long-term partnerships with firms** such as Rich Products Corporation, Moog Aerospace, and Niagara Lubricant.
- Proposed and received approval for a **new undergraduate concentration in operations and supply chain management**, UB School of Management, with effect from Fall 2008.
- Proposed and received approval for a new Global Services & Supply Management (GSSM) MBA option in the MBA program. The curriculum includes new courses such as Supply Chains: Design, Modeling & Optimization, Global Logistics & Distribution, etc. Served as co-Director for this option. This option was discontinued recently, however, in order to focus our efforts more on the MS program in supply chain & operations management.
- Proposed and received approval for a new **M.S. degree program in Supply Chains and Operations Management** at UB School of Management starting Fall 2002. Served as **Director of this program from inception until 2013**.
- Prior to this, served as Chair of the Manufacturing & Operations Management (MOM) Option Committee for MBA program, right from inception.
- Successfully proposed and introduced the **Supply Chains & Operations Management MBA option**. Developed curriculum for new courses such as Supply Chains & Global Operations.

- Successfully proposed and introduced the **Manufacturing & Operations Management (MOM) MBA option in the early 1990s**. Developed curriculum for new courses in manufacturing management: Advanced course in Production & Inventory Management, Manufacturing Strategy, Total Quality Management, Project Management, etc).
- Served as area coordinator for Manufacturing & Operations Management since introducing the Manufacturing & Operations Management option in MBA right since early 1990s.
- Participated actively in numerous curriculum improvement committees, chairing several of them, at the department, school and university levels. The following are some representative examples:
 - Served on MBA committee for several years, and chaired the MBA Admissions and Retention subcommittee.
 - Served on School of Management Personnel (Promotion & Tenure) Committee, reviewing promotion and tenure cases. Have also reviewed and evaluated dossiers for promotion and tenure, to Associate and Full Professors at many other universities.
 - Served on Undergraduate Program Committee, actively involved with the subcommittee on inadequacies in written communication skills in English among undergraduate students, development of new courses like Introduction to Business & Society course.
 - Served on the Undergraduate Curriculum committee (DUGC) headed by Dr. Walter Kuntz, and Undergraduate Degree Requirements Committee at the University level.
 - Started the American Production & Inventory Control Society (APICS) student chapter, which has been in operation for five years. This chapter has been very active, with our students winning several awards for being an active local chapter, and also winning the National student paper award on one occasion.
 - Have served as the course coordinator for the MBA course MGS 605 - Operations Planning and Control, involving curriculum development efforts, standardization, coordination and approval of waivers for the last three years.
 - Chaired the departmental subcommittee for MGS 605 to deal with inadequate preparation in Management Accounting on the part of MGS 605 students
 - Served on several other departmental curriculum development committess.
 - Have organized numerous plant tours, guest lectures over the years. The plant tours organized include firms such as Kodak, Du Pont, General Motors, Delphi Harrison and Fisher-Price.
 - Commenced developing the Supply Chains & Operations Management module for SUNY (Buffalo) -World Trade Center on-line MBA program (SUNY later decided to discontinue the online MBA program).

Grants and Research Programs

- Developed and secured matched-fund proposal with UB School of Engineering to set up a new **Institute for Sustainable Transportation & Logistics** for a multi-year grant, whereby hiring for 3 new faculty members in the School of management (PhD graduates hired from Ohio State (healthcare supply chains); Washington University (dynamic pricing and revenue

management), Purdue University (sustainability practices) and 4 faculty lines for the School of Engineering were approved. I serve as Associate Director for this Institute.

- SUNY multi-disciplinary research grant (\$20,000) September 1998; to pursue research project on Concurrent Engineering Practices and Their Impact on Firm Performance, with Drs. Christina Bloebaum and Kemper Lewis (School of Engineering).
- Summer Research Fellowships, 1989, 1991, 1992, 1993, 1994, 1995, 1997, SUNY at Buffalo (received the highest grants in School of Management for 5 of these 7 years), and in 2012.
- Joseph T.J. Stewart Faculty Scholar, State University of New York at Buffalo, 1989.
- Information Systems Effectiveness (1988-89) for a division of a major automotive corporation, The Center for Industrial Effectiveness, (TCIE), Buffalo, NY.
- New York State Science & Technology Department (\$40,000) (with Professor Robert Cerveny), Materials Management Systems for Current Controls, Inc. (1987).
- Design & Feasibility Study for a Flexible Manufacturing System for parts for injection molding machinery (1985) for a consultant on behalf of a major machine tool and robotics equipment manufacturer in Cincinnati, Ohio.

Selected Service Contributions at School and University Levels

- Member, Dean Search Committee to select Dean of UB School of Management, 2016.
- As department chair for 12 years, responsible for both **Strategy & Entrepreneurship area**, and supply chain & operations management. For the Strategy area, I have developed a **Strategy & Entrepreneurship program** from scratch, creating a whole slew of entrepreneurship activities such as business plan competitions, new courses in Entrepreneurship, hiring a good set of faculty members (from University of Illinois at Urbana-Champaign, Minnesota and Purdue universities).
- Member, Decanal Evaluation Committee to evaluate performance of the Dean of School of Management (2013)
- Member, Provost's Commission on Academic Excellence and Equity (CAEE)
- Member, School of Management Strategic Planning Committee, since 2004.
- Member, School of Management Policy Committee, since 2005.
- Served as member of the Faculty Senate at SUNY, Buffalo 2003-2005.
- Chair, Promotion & Tenure Committee, School of Management, 2004-2005; was a member of the committee for several years.
- Served as Member, Ph.D. committee, 2003-2005.

- Have chaired / served in several faculty search committees, interviewing candidates for positions in Operations Management, Management Science, Strategy, and Management Information Systems areas.
- Formed an inter-disciplinary graduate group, the Geography and Operations Strategy group, and obtained formal recognition, and a nominal seed grant. (Directors: Nallan C Suresh and Dr. S. B. Sen of Geography department). The objective of this group was to initiate new research relating to global operations strategies and curriculum development, along with the Canada-US Trade Center. As part of curriculum development, efforts, we are also planning to develop new courses such as *Business Geographics*, utilizing geographical information systems (GIS) data bases for marketing, manufacturing & supply chain strategy decisions.
- Obtained a multi-disciplinary grant (\$20,000) for a project on empirical investigation of concurrent engineering practices. This project also involves research and teaching dimensions. We are beginning to develop case study materials devoted to concurrent engineering practices, in the pilot project phase.
- Was invited to serve as an Associate, on behalf of School of Management, for the new *Center for Advanced Design*; the Center has been recognized as an SUNY Organized Research Unit.
- Formed a long-term partnership with Delphi Thermal Systems group for university-industry cooperation; placed many SUNY students in internship positions within Delphi, and other organizations in Western NY area; many students have also taken up jobs with Delphi; Delphi is currently sponsoring the dissertation of one Ph.D. student (Mr. Scott Ellis) working with me in the area of Strategic Sourcing.

International Programs:

- Familiar with university systems in China, Singapore, India & other Asian countries, having visited Asian countries for overseas teaching, industry education, etc. regularly last 20 years.
- Have actively participated in our international MBA programs, especially in Singapore, Latvia and China. Have identified faculty members to teach in these programs; worked with Riga Business School to develop industry education, and Baltic-wide expansion of their activities.
- Served as Visiting Research Professor at University of Groningen (a research position, with no teaching responsibilities) during 1993 to 2005. My research agenda with Dutch colleagues dealt with primarily with *design and operational issues of cellular manufacturing*, based on close interactions with several Dutch firms.
- Arranged for guest faculty positions for colleagues in Dutch universities; Obtained Summer Fellowships for doctoral students in Dutch universities.
- Have supervised many Singapore EMBA student industry projects.
- Numerous other activities such as hosting students from Leicester University, Sunley Management Center, UK, sharing latest information on management of change in operations

management; hosting international scholars from China, Netherlands, UK, Malaysia, India, etc.

Service Contributions to Other Universities:

Helped with promotion decisions for many other universities: numerous **tenure decision packages**, and **Associate-to-Full Professor promotions**.

Media

Since 2005, I have been quoted on numerous occasions in articles in Western New York news media such as *Buffalo News* and *Business First*, mainly on topics relating to US Auto Industry and global manufacturing-related issues; Also interviewed many times by local TV stations (ABC, CBS and NBC-affiliated channels) and radio (WBEN) on S Auto Industry, impacts of tariffs, NAFTA, USMCA, etc.

Professional Affiliations

Decision Sciences Institute (DSI)

Institute for Operations Research and Management Sciences (INFORMS)

Production and Operations Management Society (POMS)

European Operations Management Association (EurOMA)

American Production and Inventory Control Society (APICS)

Personal

Citizenship: USA

Marital Status: Married; one son.

References Furnished upon request.