

Ananth. V. Iyer

Susan Bulkeley Butler Chair in Operations Management
Department Head, Management and Senior Associate Dean
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Krannert School of Management
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Research Interests: My basic research and teaching interests are in the area of supply chain management, inter-firm operational co-ordination and operations management. I am interested in understanding, modeling and empirically validating approaches to manage operations and supply chains dealing with problems in the areas of capacity management, resource allocation, supplier contracts, scheduling and inventory planning. Recent research is focused in on sustainability considerations in supply chains and links to product design and regulation, as well as the understanding of issues in global healthcare supply chains.

Educational Background:

Doctor of Philosophy (Ph.D.) in Industrial and Systems Engineering, Georgia Tech (1987)

Master of Science (M.S.) in Industrial Engineering and Operations Research, Syracuse University (1983)

Bachelor of Technology (B.Tech) in Mechanical Engineering, Indian Institute of Technology, Bombay, India (1982)

Administrative and Teaching Experience:

Department Head, Management and Senior Associate Dean (July 2017-current)

Faculty Director, Purdue NExT (2012 - 2016)

Director, DCMME and GSCMI (August 2015-current) and July 2005-August 2011

American Council of Education Fellow (2011-12)

Associate Dean, Graduate Studies, Krannert School of Management (2011-2013)

Susan Bulkeley Butler Chair in Operations Management, 2005-present

Visiting Professor (on sabbatical) The Wharton School, Department of Operations, Information and Decisions January-May 2017

Visiting Scientist (on sabbatical), Operations Research Center, MIT, January-June 2010

Purdue University Faculty Scholar, 1999-2004

Professor of Management, Krannert Graduate School of Management, Purdue University, 2002 - present

Associate Professor of Management, Krannert Graduate School of Management, Purdue University, August 1996-2002

Associate Professor of Production Management, Graduate School of Business, University of Chicago, 1991-1996

Assistant Professor of Production Management, Graduate School of Business, University of Chicago, 1987-1990

Research Associate, Production and Distribution Research Center, Georgia Tech, 1984-1987

Taught in Executive Education programs in the U.S.A, Germany, Hungary, Kuwait, Peru, Spain, India and Argentina

Publications

JYOTIRMOY, D, AND IYER, A., "Capacity Planning for Large Scale People Movement: Models and Application to the Ujjain Kumbh Mela", *Naval Research Logistics*, Vol 68, No. 8, 1018-1036, 2021.

VEDANTAM, A., AND IYER, A., "Revenue Sharing Contracts Under Quality Uncertainty in Remanufacturing", *Production and Operations Management*, Vol. 30, No, 7, 2008-2026, 2021.

VEDANTAM, A., AND IYER, A., "Capacity Investment under Bayesian

Information Updates at Reporting Periods: Model and Application”, *Production and Operations Management*, Vol. 30, No. 8, 2707-2725, 2021.

CIGOLINI, R., GOSLING, J., IYER, A., AND SENICHEVA, O., “Supply Chain management in construction and engineer-to-order industries”, Special Issue *Production Planning and Control*, published online 29 October 2020

VEDANTAM, A., AND IYER, A., “An analysis of voluntary recycled content claims under demand benefit and uncertain recycled content supply”, *Operations Research Letters*, Vol. 48, 249-256, 2020.

IYER, A. AND PALSULE-DESAI, O., “Contract Design for the Stockist in Indian Distribution Networks”, *Manufacturing and Service Operations Management*, Vol. 21, No. 2, pp 398-416, Spring 2019

IYER, A.V., LIM, H., RIOS, O., SIMS, Z., WEISS, D., “An Economic Model and Experiments to understand Aluminum-Cerium alloy recycling”, *JOM: The Journal of the Minerals, Metals and Materials Society*, Vol. 70, Issue 4, pp 548-552, 2018

IMHOLTE, D.D., NGUYEN, R.T., VEDANTAM, A., BROWN, M, IYER, A., SMITH, B.J., COLLINS, J.W., ANDERSON, C.G., AND O’KELLEY, B., “An assessment of U.S. rare earth availability for supporting U.S. wind energy growth targets”, *Energy Policy*, Vol. 113, pp 294-305, February 2018

BENEDYK, I., PEETA, S., ZHENG, H., GUO, Y., AND IYER, A.V., “Dynamic Model for System-Level Strategic Intermodal Facility Investment Planning”, *Transportation Research Record: Journal of the Transportation Research Record*, No, 2548, pp 24-34, 2016

IYER, A.V., AND VEDANTAM, A., “A Market Model for Evaluating Technologies That Impact Critical-Material Intensity”, *JOM: The Journal of the Minerals, Metals and Materials Society*, Vol. 68, pp 1957-1963, 2016

GEMMA BERENQUER, ANANTH IYER AND PRASHANT YADAV, “Disentangling the efficiency drivers in country-level global health programs: an empirical study”, *Journal of Operations Management*, pp 1-14, 2016

JIANGHUA WU, ANANTH IYER AND PAUL PRECKEL, “Information Vis-

ibility and Its Impact in a Supply Chain”, *Operations Research Letters*, Vol. 44, pp 74-79, 2016

NADER NADERPAJOUH; MAKARAND HASTAK, SANJIV GOKHALE, MEHMET EMRE BAYRAKTAR, ANANTH IYER AND FARRUKH ARIF, “Counterfeiting Risk Governance in the Capital Projects Supply Chain”, *Journal of Construction Engineering Management*, Vol. 141, Issue 3, March 2015

IYER, A.V., SARANGA, H., SESHADRI, S., “Effect of QMS and TQM on Productivity Before and After: Empirical Evidence from the Indian Auto Component Industry”, *Production and Operations Management Journal*, Vol 22, Issue 2, pp 283-301, 2013

WU, J, IYER, A., PRECKEL, P, ZHAI, X., “Information Sharing Across Multiple Buyers in a Supply Chain”, *Asia Pacific Journal of Operations Research*, Vol 29, Issue 1, pp 1-23, 2012

KOVAICHELVAN, V., PILOTTE, M, CHAND, S.C., IYER, A.V., “Global Experiential Projects with a Manufacturer in India: Insights from Five Years of Experience”, *Inform's Transaction on Education*, online, 2012

WEE, K. AND IYER, A.V., “Consolidating or non-consolidating queues: A game Theoretic queueing model with holding costs”, *Operations Research Letters*, Vol 39, pp 4-10, 2011

IYER, A.V, KOUDAL, P., SARANGA, H., SESHADRI, S., “Indian Manufacturing – Strategic and Operational Decisions and Business Performance”, Chapter 4 in the book *Indian Economic Superpower: Fact or Fiction*, World Scientific, Edited by Jay Swaminathan, 2009

EVERINGHAM, K., POLASKI, G., RIEDLIN, F., DESHPANDE, V, IYER, A., “Operations Research Enhances Supply Chain Management at the US Coast Guard Aircraft Repair and Supply Center”, Vol 38, No. 1, *Interfaces*, January-February 2008.

CLIFTON, C., IYER, A.V., CHO, R., VAIDYA, J., WEI, J., KANTIVOGLU, M., “An Approach to Identifying Beneficial Collaboration Securely in Decentralized Logistics Systems”, Vol. 10, No. 1, *Manufacturing & Service Operations Management*, 2008.

IYER, A.V. AND JAIN, A., “Perverse Incentives- How suppliers unwittingly encourage bad practices”, *ECR Journal - International Commerce Review*, Vol. 7, No. 2, Autumn 2007.

BALAKRISHNAN, K., IYER, A.V., SESHADRI, S., SHEOPURI, A., “Indian Auto Supply Chains at the CrossRoads”, *Interfaces*, Special Issue on Globalization and Supply Chains), Vol 37, No 4, pp 310-323, July-August, 2007

DESHPANDE, V., IYER, A.V., AND CHO, RICHARD, “Efficient Supply Chain Management at US Coast Guard using Part-Age Dependent Supply Replenishment Policies”, *Operations Research*, Vol 54, No 6, pp 1028-1040, November-December 2006

IYER, A., AND SESHADRI, S., “Transforming an Indian Manufacturing Company: The Rane Brake Linings Case”, chapter in the book edited by Hau Lee and Chung-Yee Lee *Building Supply Chain Excellence in Emerging Economies*, 2006

HUCHZERMEIER, A., AND IYER, A., “Supply Chain management in a Promotional Environment”, Chapter in the book *Retailing in the 21st Century: Current and Future Trends*, Manfred Kraft and Murali Mantrala (Editors), Springer Berlin, 2006

IYER, A.V., DESHPANDE, V., AND WU, Z., “Contingency Management under Asymmetric Information”, *Operations Research Letters*, Vol 33, pp 572-580, 2005

IYER, A.V., SCHWARZ, L.B. AND ZENIOS, S., “A Principal Agent Model for Product Specification and Production” , *Management Science*, Vol 51, No 1, pp 106-109, 2005

IYER, A.V. AND JAIN, A., “The Benefits of Merging Capacity in Production–Inventory Systems”, *Management Science*, August 2004

IYER, A.V. AND JAIN, A., “The Logistics Impact of a Mixture of Order Streams in a Manufacturer–Retailer System”, *Management Science*, Volume 49, No. 8, August 2003

IYER, A.V. AND HUCHZERMEIER, A., “Smart Forecasts for smart customers”, *International Commerce Review - The ECR Journal*, Vol. 3, No.

1, Spring 2003

IYER, A.V., DESHPANDE, V., AND WU, Z., “A Capacity Planning Model with Demand Postponement”, *Management Science*, Volume 49, No. 7, July 2003

IYER, A.V., HUCHZERMEIER, A, AND STOLLE, J., “The Supply Chain Impact of Smart Customers in a Promotion Environment”, *M & SOM - Manufacturing and Service Operations Management*, Volume 4, No. 2, Fall 2002

IYER, A.V., “Inventory Cost Impact of Order Processing Priorities based on Demand Uncertainty”, *Naval Research Logistics*, Volume 49, pp 376-390, 2002

IYER, A.V. AND YE, J., “A Network Model of a Promotion Sensitive Grocery Logistics System”, *Networks*, Volume 38, No. 4, pp 169-180, 2001

IYER, A.V., AND YE, J., “Assessing the Value of Information Sharing in a Promotional Retail Environment”, *Manufacturing and Service Operations Management*, Volume 2, No. 2, Spring 2000

IYER, “Demand Forecasting and Planning”, Chapter in the Handbook of Industrial Engineering, edited by Gavriel Salvendy, 2000.

IYER, A.V., SINCLAIR, G. AND ANDERSON, J., “The Supermarket Supply Chain in Shanghai”, *International Food and Agribusiness Review*, January 1999.

IYER, A.V., “Modeling the Impact of Information on Inventories”, in Quantitative Methods in Supply Chain Management, edited by Sridhar Tayur and Michael Magazine, December 1998.

EPPEN, G.D., AND IYER, A.V., “Backup Agreements in Fashion Buying - The Value of Upstream Flexibility”, *Management Science*, **43**:1469-1484, No. 11, November 1997.

EPPEN, G.D. AND IYER, A.V., “Improved Fashion Buying with Bayesian Updates”, *Operations Research*, **45**:805-819, No. 6, November–December 1997.

EISENSTEIN, D.D. AND IYER, A.V., “Garbage Collection in Chicago - A

Dynamic Scheduling Model”, *Management Science*, **43**:922-933, No. 7, July 1997.

IYER, A.V., AND BERGEN, M.E., “Quick Response in Manufacturer-Retailer Channels”, *Management Science*, **43**:559-570, No. 4, April 1997.

EISENSTEIN, D.D. AND IYER, A.V., “Separating Logistics Flows to improve Distribution at the Chicago Public School System”, *Operations Research*, **44**:265-273 (1996).

IYER, A.V., AND SCHRAGE, L.E., “Analysis of the deterministic (s, S) Inventory Problem”, *Management Science*, **38**:1299-1313 (1992).

BAKER, W., AND IYER, A.V., “Information Networks and Market Behavior”, *Journal of Mathematical Sociology*, **16**(4):305-332 (1992).

IYER, A.V., RATLIFF, H.D. AND VIJAYAN, G., “An Edge Ranking Problem on Trees and Graphs”, *Discrete Applied Mathematics*, **30**:43-52 (1991)

NARASIMHAN, C., IYER, A.V., AND SHI J. “Analysis of a Multi-Period Pricing Problem”, *European Journal of Operations Research*, **55**:14-30 (1991).

IYER, A.V. AND RATLIFF, H.D., “Accumulation Point Location on Tree Networks for Guaranteed Time Distribution”, *Management Science*, **28**:958-969 (1990).

IYER, A.V., JARVIS, J.J., AND RATLIFF, H.D., “Hierarchical solution of network flow problems”, *Networks*, **20**:731-752 (1990).

IYER, A.V., RATLIFF, H.D. AND VIJAYAN, G., “Optimal Node Ranking of Trees”, *Information Processing Letters*, **28**:225-229, No. 5, (1988)

EGBELU, P., IYER, A.V. AND OZDEN, M., “Job Scheduling in a group technology environment for a single facility”, *Computers and Industrial Engineering*, **9**:67-72 (1985)

Papers Under Revision and Processing at journals

HUNG TUAN DO AND ANANTH IYER, “Decentralized Retailers and Pareto Improving Use of Manufacturer Queue Information in a Supply Chain”, under revision

KYOUNGSUN LEE AND ANANTH IYER, “Optimal Product Range and Feature Choice: Competing with Complexity”, under revision

Books

IYER, A., DUNLOP, S., MCLEOD, A., VASHER, R., “Smart Manufacturing in the New Normal: A TP3 Approach”, Amazon Kindle Edition, July 2020

IYER, A., “Managing Supply Chains - Concepts, Tools, Applications”, Hercher Publishing, ISBN 978-939297-01-3, 2013

HAKSOZ, C, IYER, A., SESHADRI, S., “Managing Supply Chains on the Silk Road”, CRC Press, Taylor and Francis Group, 2011

IYER, A., ZELIKOVSKY, A., “Orchestrating Supply Chain Opportunities”, Business Expert Press, 2011

IYER, A., SESHADRI, S., VASHER, R., “Toyota Supply Chain Management”, McGraw Hill, 2009, (editions in English, Spanish, Portuguese, Traditional Chinese and Japanese editions)

Proceedings

Deshpande, V., Iyer A., and Thomas, M, “A Taxonomy for a Contingency Logistics System”, NSF Grantees Conference Proceedings, Tampa, FL, January 2001

Iyer, A., Pekny, J, Preckel, P, Ryan, J, Uszoy, R, “SCOPE A Preliminary Report ”, NSF Grantees Conference Proceedings, Tampa, FL, January 2001

Huchzermeier, A, Iyer, A.V., Stolle, J., “SMARTS - Smart Customers and Retail Promotions”, International Symposium on Logistics, ISL, Iwate, Japan, July 2000.

Working Papers

IYER, A., DESHPANDE, V, MISRA, A., “Value of Operational Flexibility During Product Upgrade in Closed Loop Supply Chains”, under revision

IYER, A., SOMMER, S AND SAOUD, M, “Impact of Regulatory Changes on New Product Design Choice and End of Life Inventory Buildup” , under revision

LEE, KYOUNGSUN AND IYER, A.V., “A model of product assortment and supply chain design”

DO, HUNG, AND IYER, A., “The Impact of Supply State driven promo-

tion strategies in a retail supply chain”

Book Chapters

HUCHZERMEIER, A., AND IYER, A. (2006). Supply Chain management in a Promotional Environment, *Retailing in the 21st Century: Current and Future Trends*, Springer Berlin.

IYER, A., AND SESHADRI, S. (2007). Transforming an Indian Manufacturing Company: The Rane Brake Linings Case. *Building Supply Chain Excellence in Emerging Economies*.

IYER, A. (2001). Demand Forecasting and Management. In Gavriel Salvendy (Ed.), *Handbook of Industrial Engineering*. Wiley-Interscience.

IYER, A. (1998). Modeling the Impact of Information on Inventories. In S. Tayur, R. Ganeshan and M. Magazine (Ed.), *Quantitative Models in Supply Chain Management*. Springer

Conference/Seminar Presentations

“Orchestrating Supply Chain Opportunities”, 2nd American Supply Chain Summit, Houston, October 2019

“Modeling the Stockist: A Key Supply Chain Entity in Indian Distribution Networks”, presented at Syracuse University (September 2019), Michigan (September 2019), POMS (May 2019)

“Managing People flow at Large Gatherings: An application to the Kumbh Mela”, presented at EURO (June 2019) POMS (May 2018)

“Upstream Information Sharing across retailers”, presented at the DMDII Supply Chain Meeting, Chicago, June 2017

“Modeling the Stockist: A Key Supply Chain Entity in Indian Distribution Networks”, presented at Indian School of Business (December 2014), University of Florida (February 2015), IIM Udaipur (June 2015), Penn State (September 2016)

“Understanding and Improving Global Health Supply Chains: Analysis of USAID’s global health supply chain data”, presented at the Global Health Supply Chain Summit (Senegal), November 2015, INFORMS Philadelphia (November 2015), Cincinnati (July 2016)

“A Real Option Value of Project Outcomes: A Tier 3 Model for CMI”, presented at the CMI Meeting (Idaho National Labs) (August 2015), Meeting at Colorado School of Mines (February 2015), Supply Chain Thought Leaders meeting (July 2015), Oak Ridge (August 2016)

“Big Data and Supply Chains”, presented at the Supply Chain Thought Leaders Meeting, Finland, July 2014

“The Impact of Regulator Evaluation Window on Recycling Claims Under Uncertain Product Returns”, presented at the Tuck School at Dartmouth College (January 2014), University of Florida (February 2014), UCSD (June 2016)

“Effect of QMS and TQM on Productivity Before and After: Empirical Evidence from the Indian Auto Component Industry”, Invited Speaker at the POMS 2013 Conference on Supply Chains in Emerging Markets, Hyderabad, India, December 2013

“Manufacturing Supply Chains” , Panel chair, Hyderabad, India, December 2013

“Warehousing and Supply Chains”, Educational Presentation, Addis Ababa, Ethiopia, November 2013

“Analysis of a Counterfeiting in Construction Supply Chains Survey” , Vanderbilt University, RT307 CII Meeting, Nashville, TN, October 2013

“An analysis of product specific and company-wide recycling content claims”, MSOM Sustainable Operations Society, Fontainebleu, France, July 2013

“Regulation and Operations”, Supply Chain Thought Leaders Meeting, UCLA, July 2013

“Planning your career for the long run: Research Grants, Industry Collaborations, and Professional Service”, presentation at the Doctoral Consortium, POMS, Denver May 2013, Atlanta, May 2014.

“Impact of Regulatory changes on new product design and choice and end of life inventory buildup”, presented at (a) University of Texas at Austin (September 2012), (b) University of Michigan (November 2012), (c) Indian

Institute of Management, Udaipur (December 2012), (d) University of Utah (January 2013), (e) University of California at Berkeley, CA (February 2013)

“Continuous productivity improvement opportunities: Private goods supply chains to country level healthcare supply chains”, Global Health Summit, Kigali, Rwanda, Ananth Iyer and Gemma Berenguer, November 2012

”A benchmarking methodology for sustaining efficiencies of global health supply chains”, Global Health Supply Chain Summit, Gemma Berenguer, Ananth Iyer and Prashant Yadav, Ethiopia, November 2013

”Enabling Donor Coordination”, presentation at the Global Health Conference in Zaragoza, Spain, December 2009, December 2010, November 2011

”Environmental Regulation and Supply Chain Impact”, presented at CEU, Budapest, Hungary, November 2009

”Impact of Variety - Data Analysis and a Conceptual Model”, presented at INFORMS San Diego, October 2009

”Product Upgrade in Closed Loop Supply Chains at the US Coast Guard”, Ohio State University (October 2009), INFORMS San Diego (October 2009), MIT (November 2009), University of Toronto (February 2010), Kuwait University (April 2010), Renmin University (April 2009), HKUST (March 2009)

”Improving the Supply for Promotion Events - The Value of Competitive Index Information Sharing”, INFORMS Washington DC, October 2008

”Exploring the Influence of Relational Factors on Supplier Inventory Decisions”, (with Daniel Corsten), Supply Chain Thought Leaders Meeting, Madrid, June 2008

”Managing the Spare Parts Supply Chain at the US Coast Guard”, Carnegie Mellon University March 2008, Boston University April 2008, Singapore Management University, June 2008

“Product Upgrade in Closed Loop Supply Chains”, (joint with Mishra and Deshpande), INFORMS, November 2007

“Operations Research Enhances Supply Chain Management at the US Coast Guard”, Edelman Award Finalist Presentation, Vancouver, BC, (May 2007), INFORMS National Meeting, Seattle, November 2007

“Supply Chain Management at the US Coast Guard”, Duke University (December 2007), IIM Bangalore (December 2007), Yale University (April 2007), London Business School (June 2007), University of Minnesota (April 2007), University of British Columbia (March 2007), Washington University St Louis (October 2006), University of North Carolina (November 2006)

“Manufacturing productivity in India”, Supply Chain Thought Leaders Meeting, Kobe University, Japan, June 2007

“Intellectual Property and the Supply Chain - a Case”, Supply Chain Thought Leaders Meeting, St Louis, July 2006

“Identifying Beneficial Collaboration Securely”, INFORMS International, Hong Kong, 2006

“Productivity and Technology in the Indian Auto Industry”, INFORMS San Francisco, November 2005, SCTL Heidelberg, July 2005

“Disaster Logistics”, SCTL 2005, Heidelberg, July 2005

“An Approach to Identifying Beneficial Collaboration Securely”, INFORMS, Denver, October 2004, Mutli-Echelon Conference, June 2005

“Supply Chain Management at the US Coast Guard”, Multi-Echelon Conference, INFORMS, Eindhoven, June 2004, Cornell University (November 2005), University of Maryland (October 2005), University of Michigan at Ann Arbor (October 2005)

“A Smart Customer Model with Retail Promotions”, CORS/INFORMS, Banff, May 2004

“Inventory and Information”, Ecommerce Roundtable, Lafayette, IN, April 2004

“Efficient Supply Chain Management using Age Dependent Advance Orders”, INFORMS, Atlanta, October 2003, UNC-Chapel Hill, December 2004

“A Coordination Game and its Implications”, United Nations Joint Logistics Committee, Rome, October 2003

“A Postponement Model of Demand Management”, MSOM, Los Angeles, June 2003, IIT-Mumbai, December 2003, Notre Dame, April 2004, Seattle, February 2004

“Information Sharing in Decentralized Supply Chains”, INFORMS San Jose, November 2002, EURO INFORMS, Istanbul, Turkey, July 2003, SCTL, Santa Fe, July 2003

“A Capacity Sharing Game”, University of Florida, February 2002, Supply Chain Thought Leaders, July 2002, INFORMS San Jose, November 2002

“Product Process Screening Contracts: A Principal-Agent Model”, presented at the Thought Leaders in Supply Chain Management Conference, INSEAD, Fontainebleu, August 2001, Wharton, October 2001, INFORMS Miami, November 2001, New York University, November 2001, UT Dallas, November 2001, UW Seattle, December 2001, Carnegie Mellon University, December 2001, London Business School, January 2002, MSOM meeting, Ithaca, June 2002, UT Austin, March 2002.

“Capacity Planning under Demand Postponement”, presented at UCLA, May 2001 and INFORMS Hawaii, June 2001

“Managing Capacity when faced with a Mixture of Demands of different variability”, presented at San Antonio (INFORMS) (November 2000), University of Southern California (September 2000), Salt Lake City (INFORMS) (May 2000), M & SOM (Ann Arbor) June 2000, Production and Operations Management Society Meeting, New Delhi January 2000, Supply Chain Conference (Berkeley) October 1999, INFORMS in Philadelphia November 1999

”Logistics Models in Apparel and Grocery”, presented at Universidad Torcuato di Tella, Buenos Aires, Argentina, July 1999

“The Logistics Impact of a Mixture of Order Streams”, presented at the MidWest Roundtable in Logistics and Manufacturing, West Lafayette, October 1998 and (joint with Apurva Jain) the INFORMS National Meeting in Seattle, October 1998, The INFORMS Joint National Meeting, May 1999, The Multi-Echelon Conference, June 1999 (West Lafayette)

”The Chinese Supermarket Industry - Inventory Management, presented at the USDA sponsored sessions at the Krannert Center, April 1999.

“Vendor Managed Inventory in a Promotional Retail Environment” – presented at INSEAD at Fontainebleu, France (November 1997), Univer-

sity of Minnesota (November 1997), University of Michigan at Ann Arbor (October 1997), INFORMS Conference at Dallas (October 1997), the Multi-Echelon Inventory Conference, New York University (June 1997), the Midwest Roundtable Meeting at the University of Illinois at Urbana (October 1996), INFORMS National Meeting in Atlanta (November 1996), WHU Seminar on Operations Management in Koblenz, Germany (October 1996)

“Public Sector Implementation Issues, presented at the San Diego INFORMS meeting (May 1997.).

“Garbage Collection in Chicago – A Dynamic Scheduling Model”, presented at Northwestern University (May 1996), The Midwest Roundtable Meeting at the University of Iowa (December 1995), INFORMS National Meeting, Washington D.C. (May 1996).

“Backup Agreements in Fashion Buying – The Value of Upstream Flexibility, presented at the Retailing Research Meeting at Columbia University (April 1996), the Indian Institute of Technology, Bombay India (July 1996), the Indian Institute of Management, Bangalore, India.(July 1996), the Wharton School at the University of Pennsylvania (January 1995), University of Chicago (1995), INFORMS National Meeting, New Orleans, (October 1995), Carnegie Mellon University (May 1995), Northwestern University (March 1995) - Kellogg School of Business.

“Decreasing Safety Stocks using Queue Priorities”, presented at the INFORMS Meeting, Los Angeles, (May 1995)

“Distribution Issues in India” presented at the conference on “India-The Emerging Economy” at Des Moines, Iowa, (April 1995), at the World Trade Center, Chicago (October 1994)

“Quick Response Implementation” presented at the ORSA/TIMS Meeting at Boston, (April 1994).

“Improving Logistics at the Chicago School System” presented at the Midwest Roundtable at Northwestern University (October 1994), the Operations Management Summer Camp at MIT (July 1994), the ORSA/TIMS Meeting at Detroit (May 1994), University of Chicago (1994), the board

members of FRAC (a nonprofit interest group) (1993), the Chicago Board of Education (1993).

“Quick Response In Manufacturer Retailer Channels” presented at the University of Illinois at Chicago (November 1993), the ORSA/TIMS National Meeting at San Francisco (November 1992)

“A Course in Managing Logistics/Distribution Systems” presented at the Operations Management Summer Camp at MIT (July 1993)

“The Future of Operations Management”, Member of a Panel Discussion, ORSA/TIMS, Orlando, (May 1992)

“Improved Fashion Buying with Bayesian Updates” presented at McMaster University, Canada (December 1991), ORSA/TIMS Meeting at Orlando (May 1992).

“The Benefits of Lower Lead Times on Prices and Inventories” presented at ORSA/TIMS Meeting at Nashville, May 1991, University of Rochester (May 1991)

“Production Planning in Unreliable Manufacturing Systems with rescheduling” presented at the Industrial Engineering Research Conference in Chicago (May 1992), the ORSA/TIMS Meeting in Philadelphia (October 1990), the IFORS Meeting in Athens, Greece (June 1990), University of Chicago (May 1990).

“Information Networks and Market behavior” presented at the ORSA/TIMS Meeting in New York (October 1989)

“Combinatorial Approaches to set Inventory Parameters in probabilistic demand system”, presented the Econometrics and Statistics Colloquium at the University of Chicago,(May 1989)

“Analysis of the deterministic (s, S) Inventory problem”, presented at the ORSA/TIMS National Meeting, Vancouver, (May 1989)

“Optimal Node Ranking of trees and graphs”, presented at the ORSA/TIMS Joint National Meeting, Washington D.C, (April 1988)

“Analysis of the Design for Parallel Assembly of Modular Products“, presented at the ORSA/TIMS Joint National Meeting, Denver, (October

1988)

“Location Issues in Guaranteed Time Distribution Systems”, presented at the ORSA/TIMS Joint National Meeting, St. Louis (October 1987), University of Chicago (February 1988), the ORSA/TIMS Joint National Meeting, St. Louis (October 1987).

“Hierarchical Solution of Network Flow Problems” presented at the ORSA/TIMS Meeting at Miami Beach, (October 1986).

Associations

I was President of the MSOM Society of INFORMS for the 2002-2003 academic year. I was a member of the board of the Production and Operations Management Society (2012–2013), President of the College of Supply Chain Management of POMS (2011). I was on the Editorial Boards of Operations Research Letters (2004–2015), Associate Editor for MSOM (2010–2017), the ECR Journal (2000-2003), Guest Editor at the POMS Journal, Associate Editor for Operations Research from 1996-2000 and from 2009-2012 and Department Editor of Management Science from 2006-2009 and a member of INFORMS. I am an ad hoc referee for Management Science, Operations Research, European Journal of Operations Research, Naval Research Logistics and Operations Research Letters.

Grants

PI in several INDOT grants (starting in August 2017 to current)

co-PI in the grant from the Lilly Foundation, \$ 2.3 million (my portion for 5 years starting January 2018)

co-PI in the EU CORE grant, \$ 720,000 (1 year starting June 2017)

co-PI in the grant awarded to Ramani, Iyer and Rao, NSF \$ 1 million (started August 2016)

Co-PI in the grant awarded to Handwerker, Iyer, Hua, Ramani, NSF IGERT Sustainable Electronics, total of \$ 3.25 million (started July 2012)

Co-PI in the grant awarded Handwerker, Iyer, Sutherland, Zhao, Critical Materials Institute, (please note that my portion over five years is \$ 656 K) (starting June 2013)

Co-PI in the Global Healthcare Supply Chains grant awarded to Berenguer, Iyer, Center for Global Development, \$25,000 (August 2012)

PI for the sponsored proposal “MIDAS - A Supply Chain Proposal to the Coast Guard”, funding of \$ 150,000 in 2002 (co-PI Vinayak Deshpande), “REAP – Coast Guard”, funding of \$ 200,000 in 2003 (co-PI Vinayak Deshpande), “CRISP – Coast Guard”, funding of \$ 200,000 in 2004 (co-PI Vinayak Deshpande), funding of \$ 200,000 in 2006 (co-PI with Vinayak Deshpande)

co-PI with Lee Schwarz for a three year grant from the Ford Foundation for \$ 250,000 to study Procurement and Supply Chain Management (from 1999 through 2002)

e-Enterprise proposal, “TDAVL - Transactional Data Analysis and Visualization laboratory”, funded for \$ 35,000, (with Reha Uszoy and Chris Clifton)

PI for the project, “BICEPS - Benchmarking Indices for Supply Chains”, funded for \$ 25,000 by Kimberly Clark

PI for the project, “BICEPS - Benchmarking Indices for Supply Chains”, funded for \$ 25,000 by Uni-Lever

co-PI in the NSF Scalable Enterprises proposal, funding continued (total award of \$ 675,000 - starting 2001 for three years with Professors Pekny, Uszoy, Preckel, Ryan)

Co-PI with Deshpande, V. and Thomas, M for the NSF SGER Grant of \$ 100,000 for “Contingency Logistics Systems”

co-PI for Purdue Research Initiative funding continued (total award of \$ 120,000 over two years - starting 2001 with Professors Pekny, Uszoy, Preckel, Ryan)

Consulting Experience:

I have served as a consultant to companies in the automobile industry, food brokerage industry, fashion catalog companies, cable television companies, industrial equipment manufacturers and public sector organizations such as the Chicago School System and the department of Streets and Sanitation in Chicago.

Nationality: Male U.S. Citizen

Date of Birth: August 7, 1960