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- Guide, Jr., V.D.R. and V. Jayaraman. 2001. Designing production planning & control systems for product reuse. *INFORMS National Meeting*, Miami, FL, November.
- Guide, Jr., V.D.R., J. Linton and V. Jayaraman. 2001. Developing production planning and control systems for use within closed-loop supply chains. *EURO 2001 Conference*, Rotterdam, The Netherlands, July.
- Guide, Jr., V.D.R., R. Teunter and L.N. Van Wassenhove. 2001. Maximizing the remanufacturing profit using product acquisition management. *12th Annual Meeting of the Production and Operations Management Society*, Orlando, FL, March.
- Guide, Jr., V.D.R. and L.N. Van Wassenhove. 2000. Assessing the economic attractiveness of reuse. *INFORMS National Meeting*, Salt Lake City, UT, May.
- Guide, Jr., V.D.R. and V. Jayaraman. 2000. Remanufacturing aggregate production planning: An investigation. *INFORMS National Meeting*, Salt Lake City, UT, May.
- Guide, Jr., V.D.R. and R. Srivastava. 1999. Purchasing strategies in recoverable manufacturing. *30th Annual Meeting of the Decision Sciences Institute*, New Orleans, LA, November.
- Guide, Jr., V.D.R. and R. Srivastava. 1999. A comparative evaluation of the repair & remanufacture options. *INFORMS National Meeting*, Cincinnati OH, May.
- Guide, Jr., V.D.R. and S.M. Gupta. 1998. A queueing network model for a remanufacturing production system. *Fifth International Congress on Environmentally Conscious Design and Manufacturing*, Rochester NY.
- Guide, Jr., V.D.R. and V. Jayaraman. 1998. Reverse logistics in product takeback. *Fifth International Congress on Environmentally Conscious Design and Manufacturing*, Rochester NY.
- Guide, Jr., V.D.R., W.C. Benton and R. Srivastava 1997. Recoverable product environments and systems for reuse: Integrating environmental issues into decision making. *28th Annual Meeting of the Decision Sciences Institute*, San Diego, CA.
- Guide, Jr., V.D.R., R. Srivastava and M.E. Kraus. 1997. Repair vs remanufacturing: Evaluation of operational policies. *INFORMS National Meeting*, Dallas, TX.
- Guide, Jr., V.D.R. and R. Srivastava. 1997. Forecasting for material recoverability in recoverable manufacturing. *INFORMS National Meeting*, Dallas, TX.
- Guide, Jr., V.D.R., W.C. Benton and R. Srivastava 1997. Recoverable products and systems for reuse. *1997 Annual Meeting of the Midwest Decision Sciences Institute*, Indianapolis IN.

- Guide, Jr., V.D.R. and R. Srivastava. 1997. Issues in recoverable manufacturing. *Second Annual Winter Conference of the Cincinnati/Dayton Chapter of INFORMS*, Cincinnati OH.
- Guide, Jr., V.D.R., A. M. Hormozi and M.S. Spencer. 1996. A research framework for remanufacturing classification. *27th Annual Meeting of the Decision Sciences Institute*, Orlando, FL.
- Guide, Jr., V.D.R. 1996. Recoverable manufacturing: Manufacturing issues for the 21st century. Part of a panel discussion at *27th Annual Meeting of the Decision Sciences Institute* Orlando, FL.
- Guide, Jr., V.D.R. 1996. Green research - opportunities and pitfalls. Part of a panel discussion at *27th Annual Meeting of the Decision Sciences Institute*, Orlando, FL.
- Guide, Jr., V.D.R. and R. Srivastava. 1996. Expediting policies in a recoverable manufacturing environment. *INFORMS National Meeting*, Atlanta, GA.
- Guide, Jr., V.D.R. and R. Srivastava. 1996. Disassembly release strategies for recoverable manufacturing. *INFORMS National Meeting*, Atlanta, GA.
- Guide, Jr., V.D.R., R. Srivastava and N. Murthy. 1996. Master production scheduling for recoverable manufacturing. *INFORMS National Meeting*, Atlanta, GA.
- Guide, Jr., V.D.R. and R. Srivastava. 1996. Buffering against material recovery uncertainty. *1996 APICS Remanufacturing Symposium*, Dayton OH.
- Guide, Jr., V.D.R. 1996. Scheduling using drum-buffer-rope. *1996 APICS Remanufacturing Symposium*, Dayton OH.
- Guide, Jr., V.D.R. and R. Srivastava. 1996. Delay buffers in a recoverable manufacturing system. *Production and Operations Management Society Seventh Annual Meeting*, Indianapolis, IN.
- Guide, Jr., V.D.R., R. Srivastava and M.E. Kraus. 1996. Scheduling policies for mixed remanufacturing and repair. *Production and Operations Management Society Seventh Annual Meeting*, Indianapolis, IN.
- Guide, Jr. V.D.R. and M.S. Spencer. 1995. Master production scheduling in remanufacturing - A preliminary functional model. *INFORMS National Meeting*, New Orleans LA.
- Guide, Jr., V.D.R. and R. Srivastava. 1995. A survey of repairable inventory theory literature. *INFORMS National Meeting*, New Orleans, LA.

- Guide, Jr., V.D.R., R. Srivastava and W.C. Benton. 1995. Optimal strategies for core pricing and purchasing for remanufacturing. *INFORMS National Meeting*, New Orleans, LA.
- Guide, Jr., V.D.R. and R. Srivastava. 1995. A simulation study of dispatching rules in a remanufacturing shop. *Production and Operations Management Society Sixth Annual Meeting*, Pittsburgh PA.
- Guide, Jr., V.D.R. and R. Srivastava. 1995. Use of safety stocks in a remanufacturing environment. *Production and Operations Management Society Sixth Annual Meeting*, Pittsburgh, PA.
- Guide, Jr., V.D.R. and R. Srivastava. 1995. MRP and buffers from material recovery uncertainty. *TIMS/ORSA National Meeting*, Los Angeles, CA.
- Guide, Jr., V.D.R. and R. Srivastava. 1995. Materials planning in a remanufacturing environment. *TIMS/ORSA National Meeting*, Los Angeles, CA 1995.

Seminars and workshops

Workshop Co-Chair and Organizer – How to make Humanitarian Response More Sustainable. 11 September 2019, INSEAD, Fontainebleau, France.

Workshop Co-Chair and Organizer - Business Perspectives on Closed-Loop Supply Chains 14, Sponsored by the Smeal Chair, The Ford Chair, Penn State and INSEAD. October 2014, INSEAD, Fontainebleau, France.

Industry Round Table Organizer – Issues for OEMs that Offer Remanufactured Products. Sponsored by the Smeal College of Business (Dean's Office), CMTOC and the Department of SC&IS. May 1-2, 2008, The Pennsylvania State University, University Park, PA.

Workshop Co-Chair and Organizer - Business Perspectives on Closed-Loop Supply Chains 4, Sponsored by the Carnegie Bosch Institution and the National Science Foundation, October 2004, INSEAD, Fontainebleau, France.

Workshop Co-Chair and Organizer - Business Perspectives on Closed-Loop Supply Chains 3, Sponsored by the Carnegie Bosch Institution and the National Science Foundation, 26-28 October 2003, The Pennsylvania State University, University Park, PA.

Workshop Co-Chair and Organizer - Business Perspectives on Closed-Loop Supply Chains 2, Sponsored by the Carnegie Bosch Institution, 13-16 October 2002, INSEAD, Fontainebleau, France.

Workshop Co-Chair and Organizer - Business Perspectives on Closed-Loop Supply Chains, Sponsored by the Carnegie Bosch Institution, 31 May - 2 June 2001, Carnegie Mellon University, Pittsburgh PA.

Professional Outreach

Service to journals:

Co-Editor-in-Chief (with T.Y. Choi 2011-2014, Mikko Ketokivi 2015-2017), *Journal of Operations Management*, July 2011- December 2017.

Guest Editor-in-Chief (with L.N. Van Wassenhove), feature issue of *Production and Operations Management* on closed-loop supply chains, 2006 **15**(3&4).

Guest Editor-in-Chief (with L.N. Van Wassenhove), feature issue of *California Management Review* on closed-loop supply chains, **46**(2) Winter 2004.

Guest Editor-in-Chief (with L.N. Van Wassenhove), feature issue of *Interfaces* **33**(6) 2003 on closed-loop supply chains.

Co-Departmental Editor, Sustainable Operations, *Production and Operations Management*, 2010 – 2014.

Departmental Editor - *Journal of Industrial Ecology* - Supply chain management and reverse logistics, 2002 – 2013.

Senior editor, *Production and Operations Management*, Fall 2003-Fall 2010.

Associate editor, *Journal of Operations Management*, Summer 2008-2011.

Associate editor, *Decision Sciences Journal*, Summer 2007-2016

Area editor, *Operations Management Research*, 2007-present.

Associate editor, *Business Research*, 2007 - present

Editorial Review Board (1999-2008, 2018-present) - *Journal of Operations Management*

Editor-At-Large, *Interfaces*, Fall 2003 – December 2004.

Editorial Review Board (2005-2007) – *Decision Sciences Journal*

Editorial Review Board (2010 – present) – *Journal of Business Logistics*

Ad hoc Associate editor for: *IIE Transactions, Manufacturing & Service Operations Management*

Ad hoc reviewer for:

California Management Review
Computers and Industrial Engineering
Computers and Operations Research
European Journal of Operational Research
IEEE Transactions on Engineering Management
International Journal of Production Research
International Journal of Production Economics
International Journal of Operations & Production Management
Management Science
Manufacturing & Service Operations Management
Naval Research Logistics
OMEGA
Operations Research
OR Spektrum
Production Planning and Control

Service to professional societies:

Decision Sciences Institute Buffa Doctoral Dissertation Award, Judge, 2014, 2018

Decision Sciences Institute Doctoral Consortium Coordinator 2013

Chair, POMS Skinner Early Career Award Committee 2013

POMS officers nominating committee 2012

Committee member 2011 POMS College of Sustainable Operations Ph.D. Proposal Award Competition

VP for membership, Production and Operations Management Society, 2007-2010.

Co-founder and co-chair (with L.N. Van Wassenhove) 2006-2008, College of Sustainable Operations, Production and Operations Management Society, established Spring 2005.

Committee Chair, POMS Wickham Skinner Best Unpublished Paper Award, 2007.

Track chair (multiple years) – POMS, INFORMS, DSI

Service to department and college:

Ph.D. Candidacy Exam Coordinator, 2010, 2011

Tenure Track Hiring Committee Chair, 2010-2011, 2012-2013, 2013-2014, 2016-2017, 2017-2018

Sabbatical Leave Review Committee, 2010-2011

Ph.D. Curriculum Review Committee, 2010-2011

Departmental Promotion & Tenure (Chair 2011, 2012, 2013), 2010-2011, 2011-2012, 2012-2013, 2013-2014, 2016-2017

Department Head Search Committee (Chair), 2014-2015

External review boards:

External reviewer, Ph.D. research proposal for Erasmus Research Institute of Management, Erasmus University Rotterdam, The Netherlands, 2004.

External Peer Review Panel, National Science Foundation, 2004, 2003, 2002 (Winter and Summer), Arlington VA.

External Peer Reviewer:

- Social Sciences and Humanities Research Council of Canada, 2005, 2007, 2008
- Research Grants Council of Hong Kong, 2008, 2009
- Swiss National Science Foundation, 2001-2002.
- Science Foundation Ireland, 2000

Invited speaking engagements:

Guide, Jr. V.D.R. 2018. Sustainability and mass customization. Sloan School of Management, *Massachusetts Institute of Technology*, Boston, MA.

Guide, Jr. V.D.R. 2017. False failure returns: An experimental investigation of supply Chain Coordination. School of Management, *Boston University*, Boston, MA.

Guide, Jr. V.D.R. 2017. Multiple lifecycle products at Xerox. *Closed-Loop Supply Chains Workshop*. Kelly School of Business, Indiana University. Bloomington, IN.

Guide, Jr. V.D.R. 2016. False failure returns : An experimental investigation of supply chain coordination. Department of Industrial and Systems Engineering. *The State University at Buffalo*, Buffalo, NY.

Guide, Jr. V.D.R. 2015. A typology of closed-loop supply chains with remanufacturing. Management Department, College of Business and Behavioral Sciences, *Clemson University*, Clemson, SC.

- Guide, Jr. V.D.R. 2015. The marketplace for remanufactured goods. Department of Supply Chain Management, Broad College of Business, *Michigan State University*, E. Lansing, MI.
- Guide, Jr., V.D.R. 2014. Towards an understanding of closed-loop supply chains. The Katz Graduate School of Management, *University of Pittsburgh*, Pittsburgh, PA.
- Guide, Jr. V.D.R. 2014. A remanufacturing typology. Department of Supply Chain & Information Systems, College of Business, *Iowa State University*, Ames, IA.
- Guide, Jr., V.D.R. 2013. The marketplace for remanufactured goods. Department of Industrial and Manufacturing Engineering, *The Pennsylvania State University*.
- Guide, Jr. V.D.R. 2013. A remanufacturing typology. Department of Information & Operations Management, Mays Business School, *Texas A&M University*, College Station, TX.
- Guide, Jr., V.D.R. and M. Meloy. 2013. The marketplace for remanufactured goods. Impact Smeal Day, Smeal College of Business, *The Pennsylvania State University*.
- Guide, Jr., V.D.R. 2013. Sustainable Operations. College of Engineering, *Wayne State University*, Detroit, MI.
- Guide, Jr. V.D.R. 2013. A remanufacturing typology. *Monash University*, Melbourne, Australia.
- Guide, Jr. V.D.R. 2013. Research methodological choice : Analytic or empirical? *Monash University*, Melbourne, Australia.
- Guide, Jr. V.D.R. 2013. Delayed differentiation for multiple lifecycle products. *University of Melbourne*, Melbourne, Australia.
- Guide, Jr. V.D.R. 2012. Delayed differentiation for multiple lifecycle products. School of Management, *University of Lausanne*, Lausanne, Switzerland.
- Guide, Jr. V.D.R. 2012. Delayed differentiation for multiple lifecycle products. Carlson School of Management, *University of Minnesota*, Minneapolis, MN.
- Guide, Jr. V.D.R. 2012. Closed-loop supply chains. *Initiative for Global Environmental Leadership Workshop*, The Wharton School, University of Pennsylvania, Philadelphia, PA.
- Guide, Jr. V.D.R. 2011. Delayed differentiation for multiple lifecycle products. *Wilfrid Laurier University*, Waterloo, Ontario, Canada.

- Guide, Jr. V.D.R. 2011. Delayed differentiation for multiple lifecycle products. Carey School of Business, *Arizona State University*, Tempe, AZ.
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- Guide, Jr. V.D.R. 2010. Delayed differentiation for multiple lifecycle products. Management Science Department, Fisher College of Business, *Ohio State University*, Columbus, OH.
- Guide, Jr. V.D.R. 2010. Delayed differentiation for multiple lifecycle products. Department of Industrial and Systems Engineering. *Texas A& M University*, College Station, TX.
- Guide, Jr. V.D.R. 2010. Closed-loop supply chains and remanufacturing. 2nd International Forum on Sustainable Manufacturing. College of Engineering. *The University of Kentucky*, Lexington, KY.
- Guide, Jr., V.D.R. 2010. Delayed differentiation for multiple lifecycle products. Kenan-Flagler Business School, *University of North Carolina*, Chapel Hill, NC.
- Guide, Jr. V.D.R. 2009. OEM remanufacturing. *9th International Workshop on Closed-Loop Supply Chain Management*, Braunschweig, Germany.
- Guide, Jr., V.D.R. 2009. OEM remanufacturing. Faculty of Economics and Management, *Otto-von-Guericke-University*, Magdeburg, Germany.
- Guide, Jr. V.D.R. 2009. The potential for cannibalization of new product sales by remanufactured products. College of Business, *University of Cincinnati*, Cincinnati, OH
- Guide, Jr. V.D.R. 2009. The evolution of closed-loop supply chain research. College of Engineering, *Iowa State University*, Ames, IA.
- Guide, Jr. V.D.R. 2009. The potential for cannibalization of new product sales by remanufactured products. The Owens Graduate School of Management, *Vanderbilt University*, Nashville, TN.
- Guide, Jr. V.D.R. 2009. The potential for cannibalization of new product sales by remanufactured products. Kellogg School of Management, *Northwestern University*, Evanston, IL.
- Guide, Jr. V.D.R. 2009. The potential for cannibalization of new product sales by remanufactured products. Carey School of Business, *Arizona State University*, Tempe, AZ.
- Guide, Jr., V.D.R. 2008. Evaluating product portfolios that include remanufactured products. The Whitman School of Management, *Syracuse University*, Syracuse, NY.

- Guide, Jr. V.D.R. 2008. The potential for cannibalization of new product sales by remanufactured products. The Moore School of Management, *University of South Carolina*, Columbia, SC.
- Guide, Jr. V.D.R. 2008. The role of remanufacturing in sustainability. *University of Texas*, Austin, TX.
- Guide, Jr. V.D.R. 2008. The evolution of closed-loop supply chain research. Bauer College *University of Houston*, Houston, TX.
- Guide, Jr. V.D.R. 2008. The potential for cannibalization of new product sales by remanufactured products. *Georgia Institute of Technology*, Atlanta, GA.
- Guide, Jr. V.D.R. 2008. The evolution of closed-loop supply chain research. *University of Sydney*, Sydney, Australia.
- Guide, Jr. V.D.R. 2007. Cannibalization of new product sales by remanufactured products. *McGill University*, Montreal, Canada.
- Guide, Jr. V.D.R. 2006. The optimal disposition decision for product returns. The Johnson School, *Cornell University*, Ithaca, NY.
- Guide, Jr., V.D.R. 2005. Supply chain coordination for false failure returns. The Anderson School, *UCLA*, Los Angeles, CA.
- Guide, Jr. V.D.R. and L.N. Van Wassenhove. 2005. The evolution of closed-loop supply chain research. *NSF Workshop on Business Aspects of Closed-Loop Supply Chains V*, Vanderbilt University, Nashville, TN.
- Guide, Jr. V.D.R. 2005. Diffusion of environmental practices and standards and their impact on innovation and growth of the international firm. *Carnegie Bosch Institute Workshop: Innovation and the Growth of the International Firm* on 7 September, 2005 Stuttgart, Germany
- Guide, Jr. V.D.R. 2005. Closed-loop supply chains: Practice and potential. Department of Industrial Management, *Osaka Institute of Technology*, Osaka, Japan, March.
- Guide, Jr. V.D.R. 2005. Closed-loop supply chains: Practice and potential. *SIMOT International Symposium*, Tokyo Institute of Technology, Tokyo, Japan, Plenary Speaker, 28 February.
- Guide, Jr. V.D.R. 2004. Closed-loop supply chains – Matching Supply and Demand. Tutorial, *International Workshop on Distribution and Logistics 7*, The Netherlands, May.

- Guide, Jr. V.D.R. 2004. Closed-loop supply chains. *6th Annual Logistics Summit*, Istanbul, Turkey, Plenary Speaker, April.
- Guide, Jr., V.D.R. 2004. Economic sustainability vs. environmental sustainability: A win-win solution. University of California – Berkeley, Haas School of Business, March.
- Guide, Jr., V.D.R., and L.N. Van Wassenhove. 2003. Closed-loop supply chains. *EURO/INFORMS Meeting*, Istanbul, Turkey, Semi-Plenary Speaker, July.
- Guide, Jr., V.D.R. 2002. The supply chain value transformation process – An academic perspective. *Accenture Supply Chain Forum*, London UK, June 27-28.
- Guide, Jr., V.D.R., and L.N. Van Wassenhove. 2002. Closed-loop supply chains. Green Supply Chain Partnerships Workshop: The Example of the Textile Chain. An Expert Workshop organized jointly by INSEAD's Research Centres *CMER* and *CIMSO* and the Chair for Production and the Environment at the University of Oldenburg. *INSEAD*, Fontainebleau France, May 16-17.
- Guide, Jr., V.D.R., and L.N. Van Wassenhove. 2002. Closed-loop supply chains and the problems of product acquisition. The Owens Graduate School of Management, *Vanderbilt University*, Nashville, TN, 19 February.
- Guide, Jr., V.D.R. 2001. Closed-loop supply chains, product acquisition, and a simple method for balancing supply and demand. Department of MS&IS, Smeal College of Business Administration, *Pennsylvania State University*, University Park, PA, 9 November.
- Guide, Jr., V.D.R. 2001. Product design and closed-loop supply chains. *2001 Bell Conference*, The Wharton School, University of Pennsylvania, Philadelphia, PA, July.
- Guide, Jr., V.D.R. 2001. Capacitated remanufacturing with service level constraints. Rotterdam School of Management, *Erasmus University Rotterdam*, The Netherlands, 16 July.
- Guide, Jr., V.D.R. 2001. Closed-loop supply chains. *Green Design Seminar*, Carnegie Mellon University, January.
- Guide, Jr., V.D.R. 2000. The development of closed-loop supply chains. *INSEAD CIMSO Supply Chain Forum*, Fontainebleau, France, November.
- Guide, Jr., V.D.R. 1999. Product acquisition management: Current industry practice and a proposed framework. *International Workshop on Logistics and Distribution 5 (IWDL5)*, INSEAD, Fontainebleau France, October.

Guide, Jr., V.D.R. 1998. Production planning and control for remanufacturing: Current industry practices in the United States. *First REVLOG Summer Workshop*, Leiden, The Netherlands, 16-19 July.

Guide, Jr., V.D.R. 1998. A state-of-the art assessment of remanufacturing practices. Technology management faculty seminar series at *INSEAD*, Fontainebleau France, 9 March.

Invited industry presentations:

Guide, Jr. V.D.R. 2010. Industry and the natural environment. Presented at VWR Annual Suppliers Meeting, Chicago, IL, September.

Guide, Jr. V.D.R. 2003. The business potential of product returns. Presented to Hewlett Packard America's Remarketing Team, Houston, TX, September.

Guide, Jr., V.D.R., L.N. Van Wassenhove. Creative remarketing. Presented to Hewlett-Packard Remarketing Team in Herrenberg Germany, January 2003.

Guide, Jr., V.D.R., J. van Nunen, L.N. Van Wassenhove. Singapore competency center in closed-loop supply chain management for fast clockspeed industries. Presented to the Singapore Economic Development Board, January 2002.

Funded projects, grants, commissions, and contracts

Smeal Competitive Research Grant, Summer 2009. Awarded \$17k for the project "Delayed differentiation for multiple lifecycle products".

McCombs Center for Customer Insight and Marketing Solutions and Supply Chain Management Center of Excellence, The University of Texas, 2008. Awarded \$5k for the project 'Understanding consumer perceptions toward remanufactured products' (with M. Meloy and S. Atalay).

Smeal Competitive Research Grant, Summer 2008. Awarded \$15k for the project 'OEM remanufacturing as a competitive strategy'.

Smeal Competitive Research Grant, Summer 2007. Awarded \$10k for the project 'A supply chain perspective on product returns'.

Smeal Competitive Research Grant, Summer 2006. Awarded \$10k for the project 'Determination of an optimal product disposition decision'.

Smeal Small Research Grant, Fall 2005. Awarded \$1200 for an experimental study on the performance of target-rebate contracts for reducing false failure returns.

Smeal Competitive Research Grant, Summer 2005. Awarded \$15k for the project 'Producer responsibility legislation and supply chain coordination'.

National Science Foundation, Award DMI-0345154, Business Aspects of Closed-Loop Supply Chains Workshops, (\$53,300) from 1 September 2003 to 31 August 2005

Carnegie Bosch Institute, 2003. Awarded a grant (\$7k) with L.N. Van Wassenhove to organize an industry day workshop on closed loop supply chains.

Carnegie Bosch Institute, 2002-2003. Awarded a grant (\$40k) with L.N. Van Wassenhove to organize a workshop '*Business Perspectives on Closed-Loop Supply Chains 3*', workshop held at Penn State October 2003.

Carnegie Bosch Institute, 2001-2002. Awarded a grant (\$40k) with L.N. Van Wassenhove to organize a workshop '*Business Perspectives on Closed-Loop Supply Chains II*', workshop held at INSEAD October 2002.

APICS Educational and Research Foundation, 2001-2002 Awarded grant (#01-2) \$5k in funding (with J. Linton) for a case study and a monograph on ecommerce to facilitate reverse logistics.

Carnegie Bosch Institute, 2000-2001. Awarded a grant (\$50k) to: (1) organize a workshop '*Business Perspectives on Closed-Loop Supply Chains*', (2) write a monograph (with L.N. Van Wassenhove) on the management of closed-loop supply chains, and (3) edit (with L. N. Van Wassenhove - INSEAD) a book of refereed chapters on aspects of closed-loop supply chains.

APICS Educational and Research Foundation and the Supply Chain Council, 1999-2000. Awarded grant (#99-14) \$7k in funding (with V. Jayaraman) for a series of case studies and a monograph on the interactions between reverse logistics and supply chain management.

APICS Educational and Research Foundation, 1997-1998. Awarded grant (#97-15) funding (\$5k) for a survey and detailed monograph of state-of-the-art production planning and control practices in remanufacturing. APICS provided access to the remanufacturing membership and financial support for development and mailing of the survey instrument and the final monograph.

U.S. Navy, Naval Air Systems Command, 1998-1999. Awarded support as principal co-investigator (with R. Srivastava) for the second year of a multi-year grant to develop models investigating the effects of management policies, repair, and remanufacturing on repairable inventory items and resulting service levels. Funding \$90k per year.

U.S. Navy, Naval Air Systems Command, 1996-1997. Awarded full support as principal co-investigator (with R. Srivastava) for the first year of a multi-year grant to develop models investigating the effects of management policies, repair, and remanufacturing on repairable inventory items and resulting service levels. Renewable funding, (\$80k) provided for faculty release, hardware and software, research assistants.

Service to governmental agencies at the international, Federal, state, and local levels

U.S. Air Force, Robins AFB, Warner-Robins GA, Industrial Products Division. Flow time reduction for the CNC Lathe shop. Other projects included: order release planning, quality control and scrap reduction and kitting. Winter 1996 – Fall 1996.

U.S. Navy, Norfolk Naval Aviation Depot, Norfolk, VA, Wiring Harness Division. Designed visual scheduling system and improved process flow. Fall 1993.

U.S. Navy, Newport News Shipyards, VA, Evaluated scheduling procedures used for the overhaul and refueling of the U.S.S. Enterprise, Spring-Summer 1993.

U.S. Navy, Alameda Naval Aviation Depot, Alameda, CA. Evaluated procedures and scheduling methods used for repair/remanufacture of U.S. Navy aircraft and components. Aided in the implementation of synchronous manufacturing for production planning and control, Summer 1991-Summer 1993.

Service to business and industry

Kodak, Rochester, NY. Aligning and structuring the reverse supply chain. June 2009 – December 2009.

Xerox, Webster NY. Exploring business models for product recovery. June 2007 – 2014.

Cisco, San Jose CA. Market cannibalization potential from remanufactured goods and design of the reverse supply chain. January 2006 – July 2007.

Pitney-Bowes, Stamford CT. Redesign of the product recovery processes and design of the reverse supply chain. May 2005- August 2008.

Hewlett Packard Company, Part of the Americas Remarketing Leadership Team. Provide technical support and assistance in developing the reverse supply chain for product returns. September 2003 – 2006. (In partnership with L. Van Wassenhove).

NNC, Indianapolis, IN, Reverse supply chain coordination mechanisms for pharmaceutical recalls and returns. August 2003 – 2005.

Hewlett-Packard Company EMR EMEA Operation, Herrenberg Germany, Remanufacturing Models, A joint project with INSEAD – Penn State. Optimize the refurbishment/remanufacturing sites and streamline the operations costs. December 2002 – July 2003.

Robert Bosch Tool Company, Addison IL, Projects include a redesign of the product returns process and transforming the division from a cost center to a profit center. June 2002 – 2010.

Lucent Technologies, N. Andover, MA. Projects include coordinating the supply chain to manage forward and reverse flows, when to supply remanufactured versus new products. March 2001 – December 2003.

ReCellular, Inc., Ann Arbor, MI. Projects include, optimal pricing for product acquisition, plant layout, and manufacturing cell design. June 2000 – August 2003.

Hewlett-Packard Company, (IPG Group) Vancouver, WA & Nashville TN. Projects include reducing the volume of returned products, effective supply chain practices for reverse logistics, and reducing cycle-times for refurbishing products. December 1999 – December 2004.

Membership on graduate degree candidates' committees

Student Name	Degree	Major	Year of Completion
Ching-Hua Chen-Ritzo	Ph.D.	SC&IS	2005
Yan (Diana) Wu	Ph.D.	SC&IS	2006
Atul Rangarajan	Ph.D.	IE/OR	2007
Valery Pavlov	Ph.D.	SC&IS	2009
Andreas Robotis	Ph.D.	TOM (INSEAD)	2005
Aejaz Kahn	Ph.D.	OM (University of Houston)	2010
Chetan Chimate	Ph.D.	ISE	
Ashwin Anand	Ph.D.	ISE	

Dissertation chair

Pinar Martin (Bocconi University) 2008 – *Organizing remanufacturing operations: A transaction cost perspective*. Placed at Cranfield University.

James Abbey, 2013. *Essays in closed-loop supply chains*. Placed at Texas A&M, Mays School of Business.

Bernardo Quiroga, 2015 (co-chair with Brent Moritz), *Complexity in procurement decision making*. Placed at Clemson University, College of Business and Behavioral Sciences.

Yue Cheng, 2017 (co-chaired with Meg Meloy). Placed at Peking University HSBC Business School.

Akshay Mutha (co-chaired with Saurabh Bansal), 2018, placed at the University of Vermont.

Caroline Swift, expected 2020. Placed at the University of Delaware

Case studies and course development:

Kumar, N., L. Van Wassenhove, V.D.R. Guide, Jr. 2003. Hewlett-Packard: The Solution Factory. INSEAD Teaching Case Series 11/2003-5147.

Kumar, N., L. Van Wassenhove, V.D.R. Guide, Jr. 2003. Hewlett-Packard: The Velocity Factory. INSEAD Teaching Case Series 11/2003-5146.

Kumar, N., L. Van Wassenhove, V.D.R. Guide, Jr. 2001. Product Returns at Hewlett-Packard Company. INSEAD Teaching Case Series 03/2001 4940. *Winner of the 2007 ECCH Best Teaching Case in Production and Operations Management.*

Developed doctoral courses on sustainable operations, closed-loop supply chains, and an introduction to supply chain management.

Faculty director, *Sustainable Supply Chains*, 3-day executive education offering at Penn State Executive Education open enrollment programs.

SCM 497 – Sustainable Operations – Undergraduate class focused on sustainability and supply chains. Case research teaching format.

SCM 405 – Manufacturing and Service Operations – re-designed course philosophy and teaching content.

Education

<u>Degree</u>	<u>Major</u>	<u>Institution</u>	<u>Year</u>
Ph.D.	Production & Operations Management	The University of Georgia	1992
M.S.	Industrial Management	Clemson University	1989
B.S.	Industrial Management & Industrial Engineering	Clemson University	1987

Academic positions

2014 – Present, *Smeal Chaired Professor of Operations & Supply Chain Management*, Department of Supply Chain and Information Systems, Smeal College of Business, Pennsylvania State University, University Park, PA.

2012 – 2013, *Smeal Professor of Supply Chain Management*, Department of Supply Chain and Information Systems, Smeal College of Business, Pennsylvania State University, University Park, PA.

2011 – 2012, *Charles and Lillian Binder Faculty Fellow*, Department of Supply Chain and Information Systems, Smeal College of Business, Pennsylvania State University, University Park, PA.

2010 – Present, *Professor of Operations and Supply Chain Management*, Department of Supply Chain and Information Systems, Smeal College of Business, Pennsylvania State University, University Park, PA.

2010 – Present, *Professor of Operations Research* (graduate faculty), Interdisciplinary program, Pennsylvania State University, University Park, PA.

2006 – 2010, *Associate Professor of Operations and Supply Chain Management* (with tenure), Department of Supply Chain and Information Systems, Smeal College of Business, Pennsylvania State University, University Park, PA.

2006 – 2010, *Associate Professor of Operations Research* (graduate faculty), Interdisciplinary program, Pennsylvania State University, University Park, PA.

2002 – 2006, *Assistant Professor of Operations and Supply Chain Management*, Department of Supply Chain and Information Systems, Smeal College of Business, Pennsylvania State University, University Park, PA.

2001 – 2003 *Visiting Research Scholar*, Technology and Operations Management Area, INSEAD, Fontainebleau France.

1999 – 2002 *Associate Professor of Operations Management*, School of Business, Duquesne University, Pittsburgh, PA.

1997 – 1999 *Assistant Professor of Operations Management*, School of Management, Suffolk University, Boston, MA.

1994 – 1997 *Assistant Professor of Operations Management*, Graduate School of Logistics and Acquisition Management, Air Force Institute of Technology, WPAFB, OH.

1992 – 1994 *Assistant Professor of Operations Management*, College of Business Administration, Old Dominion University, Norfolk, VA.

Honors and Awards

Production and Operations Management Society *Fellow*, 2019

Academy of Management, Operations and Supply Chain Management Division, *OMSCM Distinguished Scholar*, 2018

Smeal College of Business Sustainability Faculty (research) Award 2017

Journal of Operations Management – Distinguished Service Award 2017

Jo van Nunen Award – *Pioneer in Closed-Loop Supply Chain Research* Award 2017

Decision Sciences Journal – Best Associate Editor 2010

Journal of Operations Management – Best Reviewer 2006

Membership in professional societies

Academy of Management, Operations and Supply Chain Management Division
Decision Sciences Institute
Institute for Operations Research and Management Science
Product and Operations Management Society

Research Impact

Accessed from Google Scholar 02/24/2020 searching “VDR Guide”

Cited by	VIEW ALL	
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Citations	13558	5760
h-index	47	33
i10-index	74	56

