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EARNED DEGREEES

Ph.D., Operations & Management Science (2005)

Dissertation Title: *Essays in Sustainable Operations*

Stephen M. Ross School of Business, University of Michigan, Ann Arbor.

M.S., Industrial & Operations Engineering (2002)

University of Michigan, Ann Arbor.

M.B.A., Specialization in Operations & Technology Management (1999)

School of Management, Indian Institute of Technology Bombay.

B.E. (Honors), Mechanical Engineering (1997)

Birla Institute of Technology & Science, Pilani (India).

EMPLOYMENT

Assistant Professor of Operations Management (2005 to date)

College of Management, Georgia Tech.

Assistant Manager, Production Planning and Control (1999-2000)

Office Furniture Business, Godrej & Boyce Mfg. Co. Ltd., Bombay.

Intern, Production Planning and Control (1999)

Office Furniture Business, Godrej & Boyce Mfg. Co. Ltd., Bombay.

Intern, Contract Manufacturing (1998)

Godrej Soaps Ltd., Bombay.

Intern, Engineering Consulting (1996)

M. N. Dastur & Co. Ltd., Bombay.

TEACHING

Spring 2008 (1 Section) & Spring 2009 (1 Section): *College of Management, Georgia Tech*

Course: MGT 6350 (**Evening MBA Operations Management Core**) – Evaluations: **4.1, 4.9/5**

Spring 2008 (2 Sections) & Spring 2009 (1 Section): *College of Management, Georgia Tech*

Course: MGT 6350 (**Full-Time MBA Operations Management Core**) – Evaluations: **4.6, 4.9, 4.5/5**

Spring 2006 (2 Sections) & Spring 2007 (3 Sections): *College of Management, Georgia Tech*

Course: MGT 3501 (**Undergraduate Operations Management Core**) – Evaluations: **4.9, 5.0, 4.3, 4.8, 4.8/5.**

Spring 2006 & Spring 2009: *College of Management, Georgia Tech*

Course: MGT 7351 (New **Doctoral** Course designed titled “Environmental Considerations in Managerial Decision-Making”) - Evaluations: **4.7, 5.0/5.**

Winter 2003: *Ross School of Business, University of Michigan*

Course: OM 311 (**Undergraduate Operations Management Core**) - Evaluation: **4.74/5.**

Summer 2001-2005: *Ross School of Business, University of Michigan*

Course: Business Topics (**Pre-MBA** Program for International MBA Students).

Summer 2003: *Ross School of Business, University of Michigan*

Quantitative Skills Workshop for **MBA** students.

Publications/ Acceptances

- Subramanian, R., B. Talbot, S. Gupta. 2009. An Approach to Integrating Environmental Considerations within Managerial Decision-Making. Accepted at *Journal of Industrial Ecology*.
- Subramanian, R., S. Gupta, B. Talbot. 2008. Product Design and Supply Chain Coordination under Extended Producer Responsibility. *Production and Operations Management* 18(3) 259-277.
- Subramanian, R., S. Gupta, B. Talbot. 2007. Compliance Strategies under Permits for Emissions. *Production and Operations Management*. 16(6) 763-779.
- Subramanian, R., S. Gupta, B. Talbot. 2005. Emissions Compliance Strategies: A Permit Auction Model (Extended Abstract). *Manufacturing and Service Operations Management*. 7(1) 85-88.

Revisions Requested

- Subramanian, R., R. Subramanyam. Key Drivers in the Market for Remanufactured Products: Empirical Evidence from eBay.
- Subramanian, R., M. Ferguson, L. B. Toktay. The Impact of Remanufacturing on the Component Commonality Decision.
- Jacobs, B., V. Singhal, R. Subramanian. An Empirical Investigation of Environmental Performance and the Market Value of the Firm.
- Mayorga, M., R. Subramanian. Factoring Environmental Concerns in Supply Chain Decision-Making.

Papers under Initial Review

- Jacobs, B., R. Subramanian. The Impacts of Sharing Responsibility for Product Recovery Across the Supply Chain.
- Gaimon, C., R. Subramanian, M. Biehl. Firm-Level Dynamic Environmental Strategies.

Working Papers

- Kroes, J., R. Subramanian, R. Subramanyam. Operational Compliance Levers, Environmental Performance, and Firm Performance under Stringent Emissions Caps: Evidence from the US Acid Rain Program.
- Atasu, A., R. Subramanian. The Effect of Extended Producer Responsibility on Recyclable Product Design.

Book Chapters

- Mayorga, M., R. Subramanian. 2009. Incorporating Environmental Concerns in Supply Chain Optimization. In *Environmentally Conscious Materials Handling* (M. Kutz, Ed.). John Wiley & Sons. *Forthcoming*.

Refereed Conference Proceedings/Abstracts

- *An Empirical Investigation of Environmental Announcements and the Market Value of the Firm*, with Brian Jacobs and Vinod Singhal. *MSOM Conference* (June 2008), *POMS Annual Conference* (May 2008).
- *Firm-Level Environmental Strategies*, with Cheryl Gaimon and Markus Biehl. *POMS Annual Conference* (May 2008).
- *Manufacturer Responses to Take-Back Legislation*, with Atalay Atasu. *POMS Annual Conference* (May 2008).
- *The Impacts of Compliance Choices under Market-Based Environmental Regulation: Evidence from the US Acid Rain Program*, with James Kroes. *POMS Annual Conference* (May 2007, May 2009).
- *Sharing Product Responsibility across the Supply Chain*, with Brian Jacobs. *POMS Annual Conference* (May 2007).
- *A Model for Manufacturing/ Remanufacturing Planning with Life-Cycle Environmental Considerations*, with Brian Talbot and Sudheer Gupta. *MSOM Conference* (June 2006), *POMS Annual Conference* (May 2006).
- *Extended Producer Responsibility and Remanufacturable Product Design*, with Sudheer Gupta and Brian Talbot. *MSOM Conference* (June 2005).

Conference Presentations/Participation (Self or Co-Author)

- *Recyclable Product Design Incentives in Product Take-Back Legislation*. Innovation in Operations Conference, London Business School (June 2009); INFORMS Annual Meeting (Invited Session), Washington DC (October 2008); POMS Annual Conference, La Jolla (May 2008).
- *On the Link between Environmental and Market Performance under Market-Based Environmental Regulation*. POMS Annual Conference (Invited Session), Orlando (May 2009); POMS Annual Conference, Dallas (May 2007); INFORMS Annual Meeting (Invited Session), Pittsburgh (November 2006).
- Workshop on *Interdisciplinarity in Closed-Loop Supply Chain Research*, Georgia Tech (October 2008).
- *An Empirical Investigation of Environmental Announcements and the Market Value of the Firm*. INFORMS Annual Meeting (Invited Session), Washington DC (October 2008); MSOM Conference, College Park (June 2008); POMS Annual Conference, La Jolla (May 2008).
- *Firm-Level Environmental Strategies*. INFORMS Annual Meeting (Invited Session), Washington DC (October 2008); POMS Annual Conference, La Jolla (May 2008).
- *An Empirical Analysis of the Market for Remanufactured Products: Evidence from eBay*. INFORMS Annual Meeting (Invited Session), Seattle (November 2007).
- *Sharing Responsibility for Product Take-Back Across the Supply Chain*. INFORMS Annual Meeting (Invited Session), Washington DC (October 2008); POMS Annual Conference (Invited Session), Dallas (May 2007); INFORMS Annual Meeting (Invited Session), Pittsburgh (November 2006).
- *Component Commonality Strategies under Product Remanufacturing*. INFORMS Annual Meeting (Invited Session), Seattle (November 2007).
- *Operations Planning with Life-Cycle Environmental Considerations*. INFORMS Annual Meeting (Invited Session), Pittsburgh (November 2006); MSOM Conference, Atlanta (June 2006); POMS Annual Conference (Invited Session), Boston (April/May 2006).
- Workshop on *The Future of Closed-Loop Supply Chains*, Rotterdam School of Management, Erasmus University, Rotterdam (October 2006).
- *Remanufacturable Product Design and Contracts under Extended Producer Responsibility*. INFORMS Annual Meeting, San Francisco (November 2005); MSOM Conference, Evanston (June 2005); INFORMS Annual Meeting (Invited Session), Denver (October 2004).
- Workshop on *Business Aspects of Closed-Loop Supply Chains*, Vanderbilt University (October 2005).
- *Emissions Compliance Strategies: A Permit Auction Model*. INFORMS Annual Meeting (Sponsored Session), Denver (October 2004); CU Environmental and Resource Economics Workshop, Vail (October 2004); CORS/INFORMS Joint International Meeting, Banff, Canada (May 2004); INFORMS Annual Meeting, Atlanta (October 2003).
- Sustainable Business Conference & Expo, Ross School of Business at the University of Michigan (February 2004).
- International Society for Industrial Ecology (ISIE) Conference on *Industrial Ecology for a Sustainable Future*, Ross School of Business at the University of Michigan (June-July 2003).
- Workshop on *Mobility in a Sustainable World: A Complex Systems Approach*, Ross School of Business at the University of Michigan (June 2003).
- CIBER Doctoral Consortium on International Operations Management, Krannert School of Management (September 2001).

Other Invited Presentations (Self or Co-Author)

Owen School of Management, Vanderbilt University (2008); Desautels Faculty of Management, Mc Gill University (2008); Environmentally Conscious Design and Manufacturing (ECDM), Georgia Tech (2006); William Davidson Institute, Ann Arbor, Michigan (2005); Anderson School of Business, UCLA (2005); Kelley School of Business, Indiana University (2005).

Research Affiliations/Interactions

- Sloan Industry Studies Program; Institute for Sustainable Technology and Development (ISTD), Georgia Tech; Focused Research Program on *Expanding Closed Loops in Production Systems* (ECLIPS), Georgia Tech.
- Jabil Circuit, Inc.; Cummins, Inc.; LifeLink of Georgia; Godrej & Boyce Mfg. Co. Ltd. (India).

SERVICE

Professional Contributions

- Track Chair, Sustainable Operations and Closed-Loop Supply Chains, POMS 2009 Annual Conference.
- Secretary of the POMS College of Sustainable Operations (2008-Present).
- Referee for: *Management Science*, *Manufacturing and Service Operations Management*, *Production and Operations Management*, *OR Letters*, *MIS Quarterly*.
- Judge for the INFORMS MSOM 2006, 07, 08, 09 and ENRE 2006 student paper competitions.
- Co-Organizer for the Workshop on *Interdisciplinarity in Closed-Loop Supply Chain Research*, Atlanta (October 2008).
- Panel Chair, CIBER International Research Colloquium on Multinational Enterprise and Sustainable Development, Atlanta (October 2006).
- Panel Moderator (Panel titled: *The Market Impact of International Regulation*) and Co-Organizer, *ECLIPS Product Re-X Conference*, Georgia Tech (June 2006).

Campus Contributions

- IT Committee, College of Management, Georgia Tech (2005-Present).
- Undergraduate Learning Center Review Committee, Georgia Tech (2007-Present).
- Software Workshops for Faculty and PhD Students – LaTeX (November 2008, September 2007), Presentation Tools (July 2006), Maple (June 2006), College of Management, Georgia Tech.

Student Advising/Research

Doctoral

- Brian Jacobs (Current)
 - Accepted Tenure-Track Position at The Eli Broad College of Business, Michigan State University.
- Andrew Manikas (2008)
 - Title of Dissertation: *Essays in Inventory Decisions Under Uncertainty*
 - Currently Assistant Professor, College of Business, University of Wisconsin Oshkosh.
- James Kroes (2007)
 - Title of Dissertation: *Outsourcing of Supply Chain Processes: Evaluating the Impact of Alignment between Outsourcing Drivers and Competitive Priorities on Performance*
 - Currently Assistant Professor of Supply Chain Management, College of Business Administration, University of Rhode Island.

Graduate

- Manuel De Gracia (2009), Scott Kane (2008), Saurabh Kothari (2008), Deepa Rajan (2008), S. R. K. Venkatraman (2008), Ashutosh Singh (2007-08), Saritha Chadalavada (2006-07).

Undergraduate

- Akshay Amaraneni (2008, 2007), Billy Hou (2007), Conrad Aach (2007), Arun Ganti (2006).

GRANTS

- CIBER Faculty Research Grant for proposal titled *Strategic Response to and the Efficient Allocation of Emissions Caps in International Supply Chains* (2009).
- Rich Foundation Grant for Business Ethics Curriculum Development (2007).
- CIBER Faculty Research Grant for proposal titled *Market Characteristics and Strategic Pricing of Remanufactured Products* (2007).
- Center for Sustainable Enterprise. Faculty Small Grant (2005-06) for research in Advanced Sustainable Business Practices. Proposal titled *Viable and Environmentally Favorable Product Design through Supply Chain Coordination under Extended Producer Responsibility*.

HONORS AND AWARDS

- Inaugural James F. Frazier, Jr. Award for Teaching Excellence, College of Management, Georgia Tech (2009).
- Nominated by the College of Management, Georgia Tech, for the CETL/BP Junior Faculty Teaching Excellence Award (2009).
- Honorable Mention, Page Prize for Environmental Sustainability Curriculum (2009).
- Leadership Roundtable, Institute for Leadership and Entrepreneurship, Georgia Tech (2008).
- CETL “Thank-A-Teacher”, Georgia Tech (2008, 2007).
- President’s Undergraduate Research Award, Georgia Tech (2007, 2006).
- Nominated for the Sloan Industry Studies Program’s *Professional Development Workshop* (2006).
- INFORMS MSOM Student Paper Competition - Second Prize (2004).
- INFORMS ENRE (Energy, Natural Resources and the Environment) Section Student Paper Competition – Honorable Mention (2004).
- INFORMS Future Academician Colloquium (2004).
- Richter Fellowship, Ross School of Business at the University of Michigan (2004-05); Michigan Business School Fellowship (2000-04); Rackham Fellowship, University of Michigan (2000-01).