

Akshay Mutha

The University of Vermont
BSAD-Business Analytics
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Education

- Ph D, Pennsylvania State University, 2018.
Major: Business Administration
Supporting Areas of Emphasis: Supply Chain & Information Systems
Dissertation Title: Essays in Product Acquisition in Closed Loop Supply Chains
- MS, Nanyang Technological University, 2008.
Major: Supply Chain Management
Dissertation Title: Strategic Network Design for Reverse Logistics
- BSE, Government College of Engineering, 2004.
Major: Production Engineering

RESEARCH

Research Publications

Refereed Journal Articles

- Mutha, A., Bansal, S., Guide, V. Daniel R. (2021). ReCellular Inc: Managing Demand Uncertainty By Quality Diversification in Closed-Loop Remanufacturing. *INFORMS Transactions on Education*.
- Mutha, A., Bansal, S., Guide, V. Daniel R. (2021). Managing the inter-functional tension between accounting- and financial-profits in remanufacturing multiple-usecycle products. *Production and Operations Management*.
- Mutha, A., Pokharel, S. (2009). Strategic network design for reverse logistics and remanufacturing using new and old product modules. *Computers and Industrial Engineering*, 56, 334-346.

Journal Articles

- Mutha, A., Bansal, S., Guide, V. Daniel R. Selling assortments of used products to third-party remanufacturers. *Production and Operations Management*, 28(7), 1792-1817.
- Mutha, A., Bansal, S., Guide, V. Daniel R. (2016). Managing demand uncertainty through core acquisition in remanufacturing. *Production and Operations Management*, 25, 1449-1464.

Presentations Given

- Mutha, A. (Author & Presenter), Bansal, S. (Author), POMS 2021 (online), "Acquisition of Used Products for Remanufacturing," United States. (May 2, 2021).
- Mutha, A. (Author & Presenter), Bansal, S. (Author), INFORMS 2020 (online), "Acquisition of Used Products for Remanufacturing," United States. (November 9, 2020).

- Mutha, A. (Author & Presenter), Bansal, S. (Author), Guide, V. Daniel R. (Author), INFORMS 2019, "Evaluating Profitability of Remanufacturing Operations," Seattle, Washington, United States. (October 23, 2019).
- Mutha, A. (Author & Presenter), Bansal, S. (Author), Guide, V. Daniel R. (Author), POMS 2019, "Evaluating Profitability of Remanufacturing Operations," Washington, District Of Columbia, United States. (May 4, 2019).
- Mutha, A. (Author & Presenter), Bansal, S. (Author), Guide, V. Daniel R. (Author), POMS 2019, "Pricing models in remanufacturing," Washington, District Of Columbia, United States. (May 4, 2019).
- Mutha, A. (Author & Presenter), Bansal, S. (Author), Guide, V. Daniel R. (Author), INFORMS 2018, "Evaluating Profitability of Remanufacturing Operations," Phoenix, Arizona, United States. (November 6, 2018).
- Mutha, A. (Author & Presenter), Bansal, S. (Author), Guide, V. Daniel R. (Author), POMS 2018, "Pricing models in remanufacturing," Houston, Texas, United States. (May 5, 2018).
- Mutha, A. (Author & Presenter), Bansal, S. (Author), Guide, V. Daniel R. (Author), POMS 2018, "Evaluating Profitability of Remanufacturing Operations," Houston, Texas, United States. (May 4, 2018).
- Mutha, A. (Author & Presenter), Bansal, S. (Author), Guide, V. Daniel R. (Author), INFORMS 2017, "Pricing models in remanufacturing," Houston, Texas, United States. (October 24, 2017).

Research Currently in Progress

"Determining Assortments of Used Products for B2B Transactions in Reverse Supply Chain" (Writing Results).

This paper was rejected at *Marketing Science* (in November 2020), and at *Manufacturing & Service Operations Management* (in March 2021). We are now preparing the manuscript for submission to *Production and Operations Management* (FT50, ABS4, GSB Top Tier) in Summer 2021.

This paper analyzes how used products are classified into different quality grades based on their quality. Different assortments of these grades are then traded between the seller (broker) and the buyer (remanufacturer).

"Elements of a servicizing business model" (Writing Results).

Current status: writing. We plan to submit this paper to *California Management Review* (ABS3) in Summer 2021.

This paper discusses the different elements (e.g. Business Strategy, Product Development, Procurement, Accounting and Finance) that need to be coordinated to ensure economic and environmental sustainability for firms that follow a servicizing business model. The paper is aimed at senior management to highlight the dimensions along which coordination is needed as firms' transition from a traditional selling model to a product-based service model.

"The adverse selection problem in remanufacturing" (On-Going).

This paper analyzes the adverse selection problem between two entities in remanufacturing operations.

TEACHING

Teaching Experience

The University of Vermont

BSAD 030, Decision Analysis, 9 courses.

BSAD 173, Operations Management, 9 courses.

BSAD 299, Business Admin Honors Thesis, 2 courses.

Awards and Honors

2019 Kroepsch-Maurice Excellence in Teaching Award, UVM. (November 8, 2019).

SERVICE

University Service including GSB

Committee Member, Navigate Advisory Committee. (October 2019 - Present).

Professional Service

Session Chair, 2021 Annual Production and Operations Management Society Conference (Online). (April 30, 2021 - May 5, 2021).

Reviewer, Journal Article, International Journal of Production Economics. (November 1, 2020 - January 15, 2021).

Reviewer, Journal Article, Production and Operations Management. (April 1, 2020 - January 15, 2021).

Reviewer, Journal Article, Computers & Operations Research. (April 1, 2020 - June 15, 2020).

Reviewer, Journal Article, Decision Sciences. (January 15, 2020 - March 15, 2020).

Reviewer, Journal Article, Production and Operations Management. (July 1, 2019 - March 15, 2020).

Reviewer, Journal Article, International Journal of Sustainable Transportation. (November 12, 2019 - January 15, 2020).

Judge for the 2019 POMS College of Sustainable Operations Student Paper Competition, Production and Operations Management Society. (February 1, 2019 - March 1, 2019).

Reviewer, Journal Article, Production and Operations Management. (July 1, 2017 - February 15, 2019).

Reviewer, Journal Article, Decision Sciences. (August 1, 2018 - December 1, 2018).

Session Chair, 2018 Annual Production and Operations Management Society Conference. (May 4, 2018 - May 7, 2018).