

# Akshay Mutha

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## Education

**Ph.D.** Department of Supply Chain & Information Systems expected May 2017  
Smeal College of Business, The Pennsylvania State University, University Park, PA, USA  
*Dissertation: Essays in Product Acquisition in Closed Loop Supply Chains*  
Co-Chairs: V. Daniel R. Guide, Saurabh Bansal

**M.S.** Supply Chain Management March 2008  
School of Mechanical and Aerospace Engineering, Nanyang Technological University, Singapore  
*Thesis: Strategic Network Design for Reverse Logistics*

**B. E.** Production Engineering July 2004  
Government College of Engineering Pune, India

## Research

### Research Interests

Sustainable operations  
Business aspects of closed-loop supply chains and remanufacturing operations  
Product acquisition for remanufacturing  
Product service systems

### Publications

Mutha, A., S. Bansal, V. D. R. Guide. 2016. Managing demand uncertainty through core acquisition in remanufacturing. *Production and Operations Management*, **25**, 1449-1464.

Mutha, A., S. Pokharel. 2009. Strategic network design for reverse logistics and remanufacturing using new and old product modules. *Computers and Industrial Engineering*, **56**, 334-346.

Pokharel, S., A. Mutha. 2009. Perspectives in reverse logistics: A review. *Resources, Conservation and Recycling*, **53**, 175-182.

### Working Papers

Mutha, A., S. Bansal, V. D. R. Guide. 2016. Buying and selling semi-finished inventories. Working Paper, The Pennsylvania State University, University Park, PA.

### Work-in-progress

Mutha, A., S. Bansal, V. D. R. Guide. Optimal disposition decisions for used products.

Mutha, A., J.D. Abbey, V. D. R. Guide. Servicization: A business model with environmental benefits.

## **Presentations**

Mutha, A., S. Bansal, V. D. R. Guide Jr. *Pricing In Remanufacturing Operations*. INFORMS 2016 Annual Conference, Nashville (To be presented).

Mutha, A., S. Bansal, V. D. R. Guide Jr. *Product Acquisition Management – A Third Party Remanufacturer Perspective*. POMS 2016 Annual Conference, Orlando.

Mutha, A., S. Bansal, V. D. R. Guide Jr. *Product Acquisition Management – A Third Party Remanufacturer Perspective*. INFORMS 2015 Annual Conference, Philadelphia.

Mutha, A., S. Bansal, V. D. R. Guide Jr. *Product Acquisition Management – A Third Party Remanufacturer Perspective*. POMS 2015 Annual Conference, Washington DC.

Mutha, A., S. Bansal, V. D. R. Guide Jr. *Product Acquisition Management – A Third Party Remanufacturer Perspective*. POMS 2014 Annual Conference, Atlanta.

Mutha, A., S. Pokharel. 2007. *Logistics Network Analysis for Stochastic Supply and Demand of Used Products*, 2nd International Conference on Operations and Supply Chain Management, Bangkok, Thailand.

Mutha, A., S. Pokharel. 2006. *Network Analysis for Reverse Logistics*, 7th Asia Pacific Industrial Engineering and Management Systems Conference, Bangkok, Thailand.

## **Teaching**

### **Teaching Experience**

Manufacturing and Service Strategies: Summer 2015, Fall 2016.

### **Teaching Evaluation**

Overall quality of the instructor: 6.40/7 (Summer 2015)

### **Teaching Assistant**

Transportation and Distribution (online masters course for GE employees): Spring 2013, Spring 2014.

## **Academic Honors & Awards**

Jeanne and Charles Rider Graduate Fellowship, Smeal College of Business, The Pennsylvania State University. 2015.

Sustainability Research Grant, Smeal College of Business, The Pennsylvania State University. 2014.

Frank P. and Mary Jean Smeal Endowment Fund Scholarship, Smeal College of Business, The Pennsylvania State University. 2012.

Scholarship for Excellence in Graduate Recruitment, Smeal College of Business, The Pennsylvania State University. 2011.

## Academic Service

Session Chair for *Topics in Product Acquisition* in the Closed-Loop Supply Chain track at POMS 2015 Annual Conference, Washington DC.

Ad hoc reviewer for: IIE Transactions

**Affiliations:** INFORMS, M&SOM, POMS.

## Industry Experience

**Dowell Schlumberger Intl Inc., Singapore**

*Supplier Leader*

Jul. 2010 – Jun. 2011

*Supplier Quality Engineer*

Mar. 2008 – Jul. 2010

**Minda Industries Ltd., India**

*Purchase Engineer*

Aug. 2004 – Dec. 2005

## References

### **V. Daniel R. Guide**

Smeal Chaired Professor of Supply Chain Management  
Co-EIC, Journal of Operations Management  
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### **Saurabh Bansal**

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### **John Eugene (Gene) Tyworth**

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