

## RICHARD KRAUDE

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School of Management  
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### RESEARCH AND TEACHING INTERESTS

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I am an ambitious scholar in the area of operations and supply chain management teaching and conducting research at University at Buffalo. I developed a strong foundation of research in the areas of sustainability, new product development, and risk management. I am driven by the desire to participate in the advancement of theory and practice in our field with specific emphasis on empirical research. My teaching philosophy centers on empowering the student through participatory learning. My teaching interests are in the areas of operations management, supply chain management, procurement, business analytics, and innovation.

### EDUCATION

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| 2017 | <b>Doctor of Philosophy</b><br>Michigan State University, Eli Broad College of Business<br>Major: Operations and Sourcing Management<br>Minor: Organizational Behavior<br><br>Dissertation: <i>Mitigating Risk in Physical and New Product Supply Chains</i><br>Advisors: Srinivas Talluri<br>Sriram Narayanan |
| 2008 | <b>Master of Science</b><br>University of Oregon<br>Major: Chemistry   |
| 2007 | <b>Bachelor of Science</b><br>University of Montana<br>Major: Chemistry, Honors; Minor: Mathematics  |

### RESEARCH

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#### *Published & under review:*

- Jacobs, B. W., **R. Kraude**, S. Narayanan. (2016) Operational Productivity, Corporate Social Performance, Financial Performance, and Risk in Manufacturing Firms. *Production & Operations Management*. doi 10.1111/poms.12596
- Kraude, R.**, S. Talluri, S. Narayanan, T. Hult. "Mitigating New Product Development Risk through Alliances" (under review at *Production and Operations Management*)

**Kraude, R., S. Narayanan, S. Talluri.** “Risk and Cost Tradeoffs in Managing Supply Chain Disruptions: The Role of Alternative Mitigation Strategies” (under review at *Production and Operations Management*)

***Working papers:***

**Kraude, R., R. Narasimhan.** “The Role of Innovation and Vertical Integration in Advancing Environmental Performance”

**Kraude, R., S. Talluri, S. Narayanan.** “Dispersed Losses Across Collaboration Partners for Product Development Discontinuations: An Event Study”

**PRESENTATIONS**

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Kraude, R., Jacobs, B., & Narayanan, S. (2016). Moderating Effect of Information Technologies on Risk Mitigation. 27<sup>th</sup> annual meeting of the Production and Operations Management Society: Orlando, FL. Invited Session (Host)

Kraude, R., & Narasimhan, R. (2015). Mitigating Risk in the New Product Development Process: Evidence from the Pharmaceutical Industry. 46<sup>th</sup> annual meeting of the Decision Science Institute: Seattle, WA

Kraude, R., Talluri, S., & Narayanan, S. (2015). The Tradeoff Between Supply Chain Disruptions and Mitigation Costs. 26<sup>th</sup> annual meeting of the Production and Operations Management Society: Washington D.C. Invited Session

Kraude, R., Jacobs, B., & Narayanan, S. (2015). The Relationship Between Sustainability, Productivity, and Performance. 26<sup>th</sup> annual meeting of the Production and Operations Management Society: Washington D.C, MD. Invited Session

Kraude, R., & Narasimhan, R. (2014). Advancing Environmental Performance: The Role of Vertical Integration. 45<sup>th</sup> annual meeting of the Decision Science Institute: Tampa, FL.

Melnyk, S.A., Ni, John Z., Ritchie, William J., & Kraude, R. (2014). Why Adopt A Standard Early When There Are No Economic Benefits? The Case of Early Adopters and Voluntary State-Authored Standards. 45<sup>th</sup> annual meeting of the Decision Science Institute: Tampa, FL.

Kraude, R., Jacobs, B., & Narayanan, S. (2014). Dexterity in Operations Efficiency and Social Responsibility: Effects on Financial Performance. 25<sup>th</sup> annual meeting of the Production and Operations Management Society: Atlanta, GA

Kraude, R., & Narasimhan, R. (2014). Advancing Environmental Performance: The Role of Vertical Integration. 25<sup>th</sup> annual meeting of the Production and Operations Management Society: Atlanta, GA.

Kraude, R., Jacobs, B., & Narayanan, S. (2013). The Relationship Between Efficiencies in Operations and Corporate Social Responsibility. 44<sup>th</sup> annual meeting of the Decision Science Institute: Baltimore, MD.

**TECHNICAL SKILLS**

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Advanced

- Stata, Excel, VisualBasic

Proficient

- R, Matlab, Mplus, C++, Python, Ucinet, SPSS, SAS

## TEACHING EXPERIENCE

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### **Instructor** at *Michigan State University*

- SCM 372 – Manufacturing Planning and Control  
Audience: Junior and Senior Undergraduates, Supply Chain Major  
Spring 2014, Rating: 3.93, Students: 40
- SCM 470 – Supply Chain Application and Policy  
Audience: Senior Undergraduates, Supply Chain Major  
Summer 2014, Rating: 4.58, Students: 20  
Spring 2015, Rating: 4.40, Students: 39
- SCM 371 – Procurement and Supply Management  
Audience: Junior and Senior Undergraduates, Supply Chain Major  
Spring 2016, Rating: 3.79, Students: 46

### **Teaching Assistant** at *Michigan State University*

- SCM 303– Intro to Supply Chain Management  
Audience: Sophomore and Junior Undergraduates  
Fall 2012, Students: 849 (two sections)  
Spring 2013, Students: 394

### **Teaching Assistant** at *University of Montana*

- CHYM 124– Intro to Organic and Biochemistry Lab  
Audience: Freshman Undergraduates  
Spring 2006, Students: 24

## SERVICE

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2017-Present - Ad Hoc Reviewer for *JOM*

2017-Present - Ad Hoc Reviewer for *POMJ*

2015-Present - Ad Hoc Reviewer for *IEEE*

2014-Present – Conference Paper Reviewer for AOM

2013-2015 - Founding member of the Academy of Future Business Researchers (AFBR), a Graduate student organization at Michigan State University

## INDUSTRY EXPERIENCE

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**Chemist** (*Willamette Valley Company*)

2008-2012

ISO 9000 compliant multi-national coatings, fillers, adhesives, and customized robotic equipment manufacturer.

- Formulated high performance polyurethanes/polyureas/epoxies for cast, adhesive, sealants, elastomer (CASE) applications and characterized their properties using various analytical instrumentation
- Developed 5 new products for the Spikefast® and POLYQuik® product lines with sales over \$1 million and continuing to grow
- Improved current formulations and processes that have reduced raw material cost by as much as 40% and manufacturing time by as much as 50%
- Supported sales staff through training, troubleshooting, and optimizing formulations based on customers' needs

- Transferred technology to production by scale-up and process optimization involving order of addition and mixing dynamics

## **PROFESSIONAL ORGANIZATIONS**

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- American Production and Inventory Control Society (APICS) since 2012
- Decision Science Institute (DSI) since 2013
- Institute of Operations Research and Management Science (INFORMS) since 2016
- Institute of Supply Management (ISM) since 2012
- Production and Operations management Society (POMS) since 2013
- Academy of Management Society (AOM) since 2015

## **AWARDS**

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- Spring Dissertation Completion Fellowship 2017
- Graduate Office Fellowship 2012 – 2016
- Awarded CIBER grant in 2015 & 2016
- Doctoral Fellowship (Full Tuition and Stipend) 2012-2017
- AOM 2015 Junior Faculty and Doctoral Consortium-OM Division, Attendee
- POMS 2015 Doctoral Consortium, Attendee
- INFORMS 2016 Doctoral Consortium, Attendee
- DSI 2016 Doctoral Consortium, Attendee
- Awarded the Outstanding Senior Award in the spring of 2007
- Awarded the “Chemistry Department Memorial Scholarship” in the spring of 2006
- Awarded DAAD grant for research in Germany in the summer of 2005
- Awarded NIH fellowship in the summer of 2004

## REFERENCES

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**Srinivas Talluri**

Department of Supply Chain Management  
Eli Broad College of Business  
Michigan State University  
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**Sriram Narayanan**

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**Brian Jacobs**

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