

## TIM KRAFT

MIT Sloan School of Management  
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### ACADEMIC APPOINTMENTS

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<b>Massachusetts Institute of Technology, Sloan School of Management</b>	2018-present
Assistant Professor (Visiting) of Operations Management	
<b>University of Virginia, Darden School of Business</b>	2011-2018
Assistant Professor of Business Administration	

### EDUCATION

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<b>Stanford University,</b>	2006-2011
Ph.D. Management Science and Engineering	
<b>The University of Texas at Austin,</b>	2002-2005
M.B.A/M.S. Mechanical Engineering	
<b>Georgia Institute of Technology,</b>	1994-1999
B.S. Industrial Engineering (Highest Honors)	

### RESEARCH/TEACHING INTERESTS

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Research: Environmentally and Socially Responsible Supply Chains; Nonprofit Operations Management; Supply Chain Management; Behavioral Operations Management

Teaching: Operations and Supply Chain Management; Sustainability; Lean Manufacturing

### PUBLICATIONS

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Kraft T., L. Valdés, Y. Zheng. “Motivating Supplier Social Responsibility under Incomplete Visibility,” forthcoming at *Manufacturing & Service Operations Management* Special Issue on Responsible Operations and Supply Chain Management.

Kraft T., L. Valdés, Y. Zheng (2018). “Supply Chain Visibility and Social Responsibility: Investigating Consumers' Behaviors and Motives,” *Manufacturing & Service Operations Management*, 20(4): 617 - 636.

- 2<sup>nd</sup> place Behavioral Operations Management 2015 Best Working Paper Award

- 1<sup>st</sup> place POMS College of Sustainable Operations 2015 Student Paper Competition

Kraft T., G. Raz (2017). “Collaborate or Compete: Examining Manufacturers’ Replacement Strategies for a Substance of Concern,” *Production and Operations Management*, 26(9): 1646 - 1662.

Karaer Ö., T. Kraft, J. Khawam (2017). “Buyer and Nonprofit Levers to Improve Suppliers’ Environmental Performance,” *Production and Operations Management Special Issue on Not-for-Profit Operations Management*, 26(6): 1163 - 1190.

Kraft T., Y. Zheng, F. Erhun (2013). “The NGO’s Dilemma: How to Influence Firms to Replace a Potentially Hazardous Substance,” *Manufacturing & Service Operations Management Special Issue on the Environment*, 15(4): 649 - 669.

Kraft T., F. Erhun, R. Carlson, D. Rafinejad (2013). “Replacement Decisions for Potentially Hazardous Substances,” *Production and Operations Management Special Issue on New Product Development, Innovation, and Sustainability*, 22(4): 958 - 975.

## **WORKING PAPERS**

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Karaer Ö., T. Kraft, P. Yalçın. “Supplier Development in a Multi-tier Supply Chain,” under 2<sup>nd</sup> round review (major revision) at *IISE Transactions* (formerly *IIE Transactions*).

Kraft T., L. Valdés, Y. Zheng. “Consumers’ Trust in Social Responsibility Disclosures: The Role of Supply Chain Visibility”.

## **RESEARCH IN PROGRESS**

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Hamalainen M., T. Kraft, D. Thomas, Y. Zheng. “The Market Value of Sustainability Disclosure: A Cross-Cultural Field Study”.

## **BOOK CHAPTERS/ADDITIONAL PUBLICATIONS**

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Kraft T., Ö. Karaer, K. Sharpe (2016). “Managing the Chemicals and Substances in Products and Supply Chains,” (Invited book chapter) *Environmentally Responsible Supply Chains*, A. Atasu, ed. Springer, 313 - 337.

Zheng Y., T. Kraft, L. Valdés (2016). “Assessing Consumers’ Valuations of Socially Responsible Products with Controlled Experiments,” (Invited book chapter) *Environmentally Responsible Supply Chains*, A. Atasu, ed. Springer, 29 - 50.

Chung Y., F. Erhun, T. Kraft (2013). “Improving Stanford Blood Center’s Platelet Supply Chain,” (Invited book chapter) *The Supply Chain Management Casebook: Comprehensive Coverage and Best Practices in SCM*, C. Munson, ed. Financial Times Press, 39 - 49.

Kraft T., Y. Chung, F. Erhun (2012). “KEY Electronics - Sourcing and Warehouse Analysis,” *INFORMS Transactions on Education*, 12(2): 89 - 99.

- 1<sup>st</sup> place 2010 INFORMS Case Competition

## **CASE STUDIES/TECHNICAL NOTES**

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Hamalainen, M., T. Kraft, D. Thomas, G. Yemen, M.Y. Zhang, Y. Zheng (2019) “Goodio Supply Chain: A Chocolatey Future?” Darden Business Publishing, OM-1613.

Kraft, T., E. Weiss (2018) “Fisher Manufacturing Company,” Darden Business Publishing, OM-1598 and OM-1599.

Kraft, T., A. Wasden (2017) “Dooly County Doughnuts,” Darden Business Publishing, OM-1572 and OM-1572TN.

Kraft, T. (2016) “Operations Management: An Introduction to Process Analysis,” Darden Business Publishing, OM-1556 and OM-1556TN.

Dorronsor, D. under the supervision of T. Kraft (2015). “Pancho’s Burritos,” Darden Business Publishing, OM-1539, OM-1539TN, and OM-1555 (Abridged version).

Elias, A., T. Kraft, G. Raz, J. Hutchison-Krupat (2015). “Eastman Tritan Product Development and Launch,” Darden Business Publishing, OM-1540.

Hutchison-Krupat, J., T. Kraft, E. Weiss (2014). “Belle, Inc.,” Darden Business Publishing, OM-1518 and OM-1518TN.

Goldberg, R., T. Kraft, E. Weiss (2014). “Supply Chain Management at Beautiful Bags,” Darden Business Publishing, OM-1522 and OM-1522TN.

Osborn, M., E. Tang under the supervision of T. Kraft (2013). “NoBull Burger,” Darden Business Publishing, OM-1479, OM-1479TN, and OM-1479TNV.

Elias, A., T. Kraft, G. Raz (2013). “Eastman Tritan,” Darden Business Publishing, OM-1494, OM-1494TN, and OM-1494TNV.

- 1<sup>st</sup> place 2013 INFORMS Case Competition

Metz J. under the supervision of T. Laseter and T. Kraft (2013). “Zappos Customer Loyalty Team: Teaching Note,” Darden Business Publishing, OM-1452TN.

## **TEACHING**

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### **MIT Sloan School of Management**

Introduction to Operations Management - MBA (spring 2019)

Operations Lab (spring 2019)

## **Darden Graduate School of Business at the University of Virginia**

First Year MBA Operations Management (2011 - 2018)

- Avg. instructor effectiveness rating (last 5 years): 4.93/5.00
- Outstanding Faculty Award: Darden School of Business (2018)

Special Topics Seminar: Danaher Kaizen (Brazil 2015, Finland 2018)

Executive Education Programs:

- Current Programs: Partnership for Leaders in Education (Summer 2015 - 2018, Fall 2016); Youth Orchestra of the Americas (Spring 2017 - 2019); Shanghai University (Summer 2017 - 2018)
- Past Programs: AES Sourcing Leadership Program (Fall 2012); AB InBev (Winter 2014)

## **Stanford University**

Introduction to Operations Management (Summer 2010; Co-instructor with Yanchong Zheng)

- Instructor rating: 4.64/5.00

## **UNIVERSITY/INDUSTRY PRESENTATIONS**

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The Ohio State University, Fisher College of Business (2018). Presented: Supply Chain Transparency and Social Responsibility.

University of Minnesota, Carlson School of Management (2018). Presented: Motivating Supplier Social Responsibility under Incomplete Visibility.

North Carolina State University, Poole College of Management (2018). Presented: Supply Chain Transparency and Social Responsibility.

George Mason University, School of Business (2018). Presented: Supply Chain Transparency and Social Responsibility.

University of South Carolina, Darla Moore School of Business (2018). Presented: Supply Chain Transparency and Social Responsibility.

University of Colorado, Leeds School of Business (2018). Presented: Supply Chain Transparency and Social Responsibility.

University of Minnesota, Carlson School of Management (2018). Presented: Supply Chain Transparency and Social Responsibility.

Baruch College (CUNY), Zicklin School of Business (2017). Presented: Supply Chain Visibility and Social Responsibility: Investigating Consumers' Behaviors and Motives.

Kenan Institute (UNC) – Leadership Summit on Global Commerce (2017). Presented: Supply Chain Visibility and Social Responsibility: Investigating Consumers' Behaviors and Motives.

Georgetown University, McDonough School of Business (2016). Presented: Supply Chain Visibility and Social Responsibility: Investigating Consumers' Behaviors and Motives.

Western University, Ivey Business School (2016). Presented: Transparency in Social Responsibility: Investigating Consumers' Behaviors and Motives.

Green Electronics Council – Emerging Green Conference Roundtable (2015). Presented: Managing the Chemicals and Substances in Products and Supply Chains.

Foster School of Business, University of Washington (2015). Presented: Buyer and Nonprofit Levers to Improve Suppliers' Environmental Performance.

Smeal College of Business, Penn State University (2015). Presented: Buyer and Nonprofit Levers to Improve Suppliers' Environmental Performance.

Kelley School of Business, Indiana University (2011). Presented: Firm and NGO Decisions Regarding Potentially Hazardous Substances.

Lundquist College of Business, University of Oregon (2011). Presented: Firm and NGO Decisions Regarding Potentially Hazardous Substances.

Darden School of Business, University of Virginia (2011). Presented: Firm and NGO Decisions Regarding Potentially Hazardous Substances.

The George Washington University, School of Business (2010). Presented: Firm and NGO Decisions Regarding Potentially Hazardous Substances.

## **CONFERENCE PRESENTATIONS<sup>1</sup>**

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Supplier Development in a Multi-tier Supply Chain

2018 INFORMS Annual Meeting (Phoenix, AZ), invited session

2018 POMS Annual Meeting (Houston, TX), invited session

The Role of Supply Chain Visibility and Trust in Social Responsibility Communications

2017 POMS Annual Meeting (Seattle, WA), invited session

Motivating Supplier Social Responsibility under Incomplete Visibility

2017 POMS Annual Meeting (Seattle, WA), invited session

2016 Early Career Sustainable OM Workshop (Raleigh, NC), peer-reviewed

Supply Chain Visibility and Social Responsibility: Investigating Consumers' Behaviors and Motives

2015 ARCS Annual Meeting (Chicago, IL), peer-reviewed

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<sup>1</sup> Coauthor and advisee presentations not listed.

Managing the Chemicals and Substances in Products and Supply Chains

2015 Early Career Sustainable OM Workshop (Atlanta, GA), invited session

Buyer and Nonprofit Levers to Improve Suppliers' Environmental Performance

2015 MSOM Annual Meeting (Toronto, ON), peer-reviewed

2015 POMS Annual Meeting (Washington D.C.), invited session

2014 POMS Annual Meeting (Atlanta, GA), invited session

2013 INFORMS Annual Meeting (Minneapolis, MN), invited session

2013 POMS Annual Meeting (Denver, CO), invited session

Compete or Collaborate: Examining Manufacturers' Replacement Strategies for a Substance of Concern

2014 INFORMS Annual Meeting (San Francisco, CA), invited session

2014 POMS Annual Meeting (Atlanta, GA), invited session

2014 Utah Winter Operations Conference (Salt Lake City, UT), invited session

2013 INFORMS Annual Meeting (Minneapolis, MN), invited session

2013 POMS Annual Meeting (Denver, CO), invited session

2012 INFORMS Annual Meeting (Phoenix, AZ), invited session

2012 POMS Annual Meeting (Chicago, IL), invited session

Eastman Tritan

2013 INFORMS Annual Meeting (Minneapolis, MN), case competition session

KEY Electronics: Sourcing and Warehouse Analysis

2012 INFORMS Annual Meeting (Phoenix, AZ), invited session

2010 INFORMS Annual Meeting (Austin, TX), case competition session

The NGO's Dilemma: How to Influence Firms to Remove a Potentially Hazardous Substance

2012 INFORMS Annual Meeting (Phoenix, AZ), invited session

2012 MSOM Annual Meeting (New York, NY), peer-reviewed

2012 POMS Annual Meeting (Chicago, IL), invited session

2011 POMS Annual Meeting (Reno, NV), invited session

Firm and NGO Decisions Regarding Potentially Hazardous Substances

2010 INFORMS Annual Meeting (Austin, TX), invited session

Replacement Decisions for Potentially Hazardous Substances

2011 INFORMS Annual Meeting (Charlotte, NC), invited session  
2010 POMS New Product Development, Innovation, & Sustainability Workshop (Bloomington, IN), peer-reviewed  
2010 PRN Sustainable Product Development and Manufacturing Forum (Stanford, CA)  
2009 MSOM Annual Meeting (Cambridge, MA), peer-reviewed  
2009 PRN Sustainable Manufacturing and the Environment Workshop (Stanford, CA)  
2008 INFORMS Annual Meeting (Washington D.C.), invited session

## **RESEARCH AWARDS**

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Behavioral Operations Management Best Working Paper Award  
2<sup>nd</sup> place 2015: Supply Chain Visibility and Social Responsibility: Investigating Consumers' Behaviors and Motives  
POMS College of Sustainable Operations Student Paper Competition  
1<sup>st</sup> place 2015: Supply Chain Visibility and Social Responsibility: Investigating Consumers' Behaviors and Motives (Student: L. Valdés)

## **TEACHING/CASE AWARDS**

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Outstanding Faculty Award: Darden School of Business (2018)  
INFORMS Case Competition  
1<sup>st</sup> place 2013: Eastman Tritan  
1<sup>st</sup> place 2010: KEY Electronics - Sourcing and Warehouse Analysis

## **SERVICE AWARDS**

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POMS Outstanding Reviewer (2015)  
MSOM Meritorious Service Award (2015)  
Decision Sciences Journal Outstanding Reviewer (2014)  
MS&E Course Assistant Award (2009 – 2010)

## **GRANTS/FELLOWSHIPS/RESEARCH ASSISTANTSHIPS**

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Batten Institute Faculty Grant (2016 – 2017, 2017 - 2018)

3M Nontenured Faculty Grant (2014 – 2016)

Stanford Graduate Fellowship (2006 – 2009)

Research Assistant, Stanford Graduate School of Business – Global Supply Chain Management Forum (Summer 2008)

## **PROFESSIONAL ACTIVITIES/SERVICE**

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### Reviewer:

Journals: Management Science, Manufacturing & Service Operations Management, Production and Operations Management, Decision Sciences, Naval Research Logistics, Energy, INFORMS Transactions on Education, Wiley Encyclopedia of Operations Research and Management Science, Springer Handbook Series

Conferences: MSOM Conference Sustainable OM SIG (2013, 2015, 2017 - 2018), MSOM Conference Supply Chain SIG (2015), Strategic Management Society Conference (2013)

Competitions: POMS Supply Chain Student Paper Competition (2012, 2015 - 2018), POMS Sustainable Ops Student Paper Competition (2014 – 2016, 2019), INFORMS Undergraduate OR Competition (2012 - 2013), BOM Best Working Paper (2015)

Discussant: MSOM Conference Sustainable OM SIG (2015)

Associate Editor: Decision Sciences; Production and Operations Management (guest)

### Organizer:

Conferences: Early-Career Sustainable OM Workshop 2017 (Charlottesville, VA; with Vishal Agrawal, Georgetown Univ.), MSOM Sustainable OM SIG 2016 (Auckland, NZ; with Yanchong Zheng, MIT), POMS College of Sustainable Operations Mini-conference 2016 (Orlando, FL; with Michael Lim, Univ. of Illinois)

Competitions: POMS Sustainable Ops Student Paper Competition 2017 (with Yannis Bellos, George Mason Univ.), POMS Wickham Skinner Teaching Award Committee (member) 2019

Track Chair: POMS Annual Meeting 2014 (Supply Chain Management), POMS Annual Meeting 2018 (Socially Responsible Operations; with Saed Alizamir, Yale)

Session Chair: POMS Annual Meeting (2011- 2012, 2014 - 2015, 2017 - 2019), INFORMS Annual Meeting (2010, 2012, 2016)

### Panelist:

Closed-Loop Supply Chains Annual Conference (2016, Graz, Austria), POMS Doctoral Consortium (2018)

### Affiliations:

Member: Institute for Operations Research & Management Science (INFORMS), Manufacturing & Service Operations Management Society (MSOM), Production and Operations Management Society (POMS)

Editorial Review Board: POMS (2015 – current)

Leadership Positions: VP of Membership, POMS College of Sustainable Ops (2014 – 2016)

Advisor/Supervisor:

León Valdés, Sloan School of Management, MIT (Co-advised with Yanchong Zheng).  
Graduation: August 2017 (Katz School of Business, University of Pittsburgh)

Pinar Yalçın (Masters Student), Industrial Engineering, Middle East Technical University (Co-supervised with Özgen Karaer). Graduation: June 2018.

School Committees:

Darden: Research and Course Development (2014 – 2017), Canvas Working Group (Chair 2015), MBA Advisory Committee (2017 – 2018)

## **MEDIA**

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NextBillion.net. February 5, 2019. “After Rana Plaza – Do Consumers Care About Supply Chain Transparency? Our Research Shows They Do.”

Environmental Leader. December 20, 2018. “Study shows consumers willing to pay premium for supply chain transparency.”

Ideas to Action (Darden School of Business). August – September 2016. “Transparent operations: The financial impact of social impact.”

The Huffington Post. March 9, 2016. “The North Face just destroyed Trump’s simplistic opinion on jobs.”

Washington Post (Case in Point). January 24, 2014. “In reusable water bottle industry, dealing with a possible toxic problem.”

Washington Post (Case in Point). January 19, 2013. “As NoBull Burger shows, determining capacity needs is a key for growth.”

## **NON-ACADEMIC EMPLOYMENT**

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RadioShack Corporation	Fort Worth, TX
Operations Strategy & Planning Manager/MBA Intern	2005 – 2006, Summer 2004

Dell Incorporated	Austin, TX
MBA Operations Intern	Summer 2003

PricewaterhouseCoopers  
Supply Chain Management Consultant

Atlanta, GA  
1999 – 2002

DCB & Company (Distribution design firm)  
Cooperative Student

Atlanta, GA  
1996 – 1998

Prestolite Wire (Automotive wire manufacturer)  
Cooperative Student

Tifton, GA  
1995 – 1996