

## TIM KRAFT

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Revised: August 2017

### ACADEMIC APPOINTMENTS

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<b>University of Virginia, Darden School of Business</b>	2011-present
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: Sustainable Operations Management; Socially Responsible Supply Chains; Nonprofit Operations Management; Supply Chain Management

Teaching: Operations and Supply Chain Management; Sustainability; Small Business Operations

### PUBLICATIONS

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Kraft T., G. Raz. "Collaborate or Compete: Examining Manufacturers' Replacement Strategies for a Substance of Concern," forthcoming at *Production and Operations Management*.

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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Kraft T., L. Valdes, Y. Zheng. "Supply Chain Visibility and Social Responsibility: Investigating Consumers' Behaviors and Motives," 2<sup>nd</sup> round (major revision) at *Manufacturing & Service Operations Management*.

- 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., L. Valdes, Y. Zheng. "Improving Supplier Social Responsibility under Incomplete Visibility," under review at *Manufacturing & Service Operations Management* (invited for submission to the Special Issue on Responsible Operations and Supply Chain Management).

Kraft T., L. Valdes, Y. Zheng. "The Role of Supply Chain Visibility and Trust in Social Responsibility Communications".

Karaer Ö., T. Kraft, P. Yalcin. "Incentivizing Quality in a Multi-tier Supply Chain".

## **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. Valdes (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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Kraft, T., A. Wasden (2017) "Dooly County Doughnuts," Darden Business Publishing, OM-1572.

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

First Year MBA Operations Management (2011 - Present)

Avg. instructor effectiveness rating (last 4 years): 4.92/5.00

Special Topics Seminar – Danaher Kaizen (2015 Brazil, 2018 scheduled)

Executive Education

*Current Programs:* Partnership for Leaders in Education (Summer 2015 - 2017, Fall 2016); Youth Orchestra of the Americas [YOA] (Spring 2017); Shanghai University [SUFE] (Summer 2017)

*Past Programs:* AES Sourcing Leadership Program (Fall 2012); Anheuser-Busch InBev (Winter 2014)

### **Stanford University**

Introduction to Operations Management (Summer 2010)

Co-Instructor - Masters-level elective course

## **UNIVERSITY/INDUSTRY PRESENTATIONS**

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

2016 Closed-Loop Supply Chains Annual Conference (Graz, Austria), invited panelist

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

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

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

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

Improving Supplier Social Responsibility under Incomplete Visibility

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

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

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/CASE 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. Valdes)

INFORMS Case Competition

1<sup>st</sup> place 2013: Eastman Tritan

1<sup>st</sup> place 2010: KEY Electronics - Sourcing and Warehouse Analysis

## **SERVICE/TEACHING 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), MSOM Conference Supply Chain SIG (2015), Strategic Management Society Conference (2013)

Competitions: POMS Supply Chain Student Paper Competition (2012, 2015, 2016, 2017), POMS Sustainable Ops Student Paper Competition (2014, 2015, 2016), INFORMS Undergraduate OR Competition (2012, 2013), BOM Best Working Paper (2015)

Discussant: MSOM Conference Sustainable OM SIG (2015)

### 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.)

Track Chair: POMS Annual Meeting 2014 (Supply Chain Management)

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

### 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:

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

Pinar Yalcin (Masters Student), Industrial Engineering, Middle East Technical University (Co-supervised with Özgen Karaer). Expected graduation: Fall 2017.

School Committees:

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

**MEDIA**

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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.”

AmericaEconomía. October 23, 2014. “What Is Expected of the Manager of Logistics Operations?”

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 Operations Strategy & Planning Manager/MBA Intern	Fort Worth, TX 2005 – 2006, Summer 2004
Dell Incorporated MBA Operations Intern	Austin, TX 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