

CURRICULUM VITAE

NITIN BAKSHI

Professor and David Eccles Faculty Fellow
Operations & Information Systems
David Eccles School of Business
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EDUCATION

Ph. D., Operations Management, The Wharton School, University of Pennsylvania, 2008.

M.S., Management Science and Engineering, Stanford University, 2002

B. Tech., Electrical Engineering, Indian Institute of Technology, Bombay, 1998

RESEARCH INTERESTS

Disruption Risk Management, Supply Chain Management, Judicial Operations

TEACHING EXPERIENCE

1. Strategic Risk Management in Business Operations (elective on extreme risk: focus on low-probability high-consequence events) – 2019-2022
2. Operations Management, Undergraduate program – 2017-2022
3. Operations Management, Full Time MBA – 2009-2016
4. Dynamic Programming and Stochastic Models, PhD Course – 2011, 2012
5. Queuing Theory, PhD Course - 2014

PROFESSIONAL EXPERIENCE

Professor and Department Chair
Operations & Information Systems,
David Eccles School of Business, University of Utah, USA
2023 -

Associate Professor
Operations & Information Systems,
David Eccles School of Business, University of Utah, USA
2016 - 2023

Assistant Professor
Management Science & Operations,
London Business School, UK
2008-2016

Algorithm Design Engineer
SmartOps Inc.
Pittsburgh, PA, USA

2002-2003

Manager
Hindustan Unilever Limited,
Mumbai, India

1998-2000

PUBLICATIONS

1. Bakshi, N., P. R. Kleindorfer. 2009. "Co-opetition and Investment for Supply-Chain Resilience." [Lead Article] *Production and Operations Management*, **18**(6), pp 583-603. (Winner of the Stan Hardy Award 2010; Wickham Skinner Award 2010 for best published paper in OM.)
2. Bakshi, N., N. Gans. 2010. "Securing the Containerized Supply Chain: Analysis of Government Incentives for Private Investment." [Lead Article] *Management Science*, **56**(2), pp 219-233. (An earlier version titled, "Securing the Containerized Supply Chain: An Economic Analysis of C-TPAT" won the POMS Best Student Paper Contest, 2008)
3. Bakshi, N., S. E. Flynn, N. Gans. 2011. "Estimating the Operational Impact of Container Inspections at International Ports." [Featured Article] *Management Science*, **57**(1), pp 1-20.
4. Bakshi, N., S. H. Kim, N. Savva. 2015. "Signaling New Product Reliability with After-Sales Service Contracts." *Management Science*, **61**(8), pp 1812-1829.
5. Bakshi, N., E. Adida, V. DeMiguel. 2016. "Supplier Capacity and Intermediary Profits: Can Less Be More?" *Production and Operations Management*, **25**(4), pp 630-646.
6. Hwang, W., N. Bakshi, V. DeMiguel. 2018. "Wholesale Price Contracts for Reliable Supply." *Production and Operations Management*, **27**(6), pp 1022-1037. (Part of W. Hwang's Ph.D. dissertation: co-supervised by N. Bakshi and V. DeMiguel.)
7. Bakshi, N., E. Pinker. 2018. "Public Warnings in Counterterrorism Operations: Managing the "Cry-Wolf" Effect when Facing a Strategic Adversary." *Operations Research*, **66**(4), pp 977-993.
8. Yang, S., N. Bakshi, C. Chen. 2021. "Trade Credit Insurance: Operational Value and Contract Choice." *Management Science*, **67**(2), pp 875-891.
9. Bakshi, N., H. Peura. 2022. "Prevent or Report? Managing Near Misses for Safer Operations." *Manufacturing and Service Operations Management*, **24**(4), pp 2064-2080.

OTHER PUBLICATIONS

10. Bakshi, N., V. Meyer, C. Myres. 2010. "The Vulnerabilities of the Power-Grid System: Renewable Microgrids as an Alternative Source of Energy." *Journal of Business Continuity and Emergency Planning*, **4**(2).

11. Bakshi, N., S. E. Flynn, N. Gans. 2011. "Thwarting Nuclear Terrorism Through Container Inspections," *Administrative & Regulatory Law News*, 37(1). (A publication of The American Bar Association)
12. Bakshi, N., S. E. Flynn, N. Gans. 2012. "Countering the threat of nuclear terrorism at domestic and foreign ports," Issue Brief from Risk Center, Wharton School, Winter 2012.

WORKING PAPERS

12. Bakshi, N., R. Randhawa, J. Kim. "Service Operations for Justice-On-Time: A Data-Driven Queueing Approach." Major revision, *Manufacturing and Service Operations Management*.
13. Bakshi, N., S. Mohan. "Information Dependency in Mitigating Disruption Cascades." Major revision, *Manufacturing and Service Operations Management*.
14. Bakshi, N., R. Swinney, A.K. Tuna. "Building Supply Chain Resilience Through Vertical Control." Reject and resubmit, *Management Science*.
15. Bakshi, N., M. Goyal. "Team Production and Peer Reporting: Pulling the Andon Cord on Loyalty." Working paper.
16. Bakshi, N., Y. Papanastasiou, N. Savva. "Scarcity Strategies Under Quasi-Bayesian Social Learning." Technical report.

CONFERENCE PRESENTATIONS

- INFORMS Annual Meeting 2023; *Team Production and Peer Reporting*
- INFORMS Annual Meeting 2022; *Information Dependency in Mitigating Disruption Cascades*
- INFORMS Annual Meeting, 2021; *Modeling Disruption Cascades in Supply Networks*
- INFORMS Annual Meeting, 2021; *Reducing Judicial Delay in Resource-Constrained Settings*
- M&SOM Annual Meeting, 2021 (Bloomington, IA, virtual); *Reducing Judicial Delay in Resource-Constrained Settings*
- 14th Utah Winter Operations Conference, 2019 (Snowbird, UT); *Reporting (or Not) of Precursors to Disasters*
- POMS Annual Meeting, 2018 (Houston, TX); *Learning (or Not) from Precursors to Disasters*
- POMS Annual Meeting, 2017 (Seattle, WA); *Cancelability in Trade Credit Insurance*
- M&SOM Annual Meeting, 2016 (Auckland, New Zealand); *Cancelability in Trade Credit Insurance* (presented at the iFORM SIG)
- M&SOM Annual Meeting, 2015 (Toronto, Canada); *Public Warnings in Counterterrorism Operations: Managing the "Cry-Wolf" Effect*
- POMS Annual Meeting, 2015 (Washington DC, USA); *On Public Warnings for Counterterrorism Operations*

- INFORMS Annual Meeting, 2014 (San Francisco, CA); *On Public Warnings for Counterterrorism Operations*
- M&SOM Annual Meeting, 2013 (Fontainebleau, France); *Signaling and Contract Choice in After-Sales Service*
- Conference in memory of Paul Kleindorfer, 2013 (Fontainebleau, France); *Inducing Reliable Supply: Simple versus Simplistic Contracts*
- M&SOM Annual Meeting, 2012 (New York City, NY); *Signaling Product Quality with After-Sales Service Contracts*
- INFORMS Annual Meeting, 2011 (Charlotte, MI); *Signaling with Performance-Based Contracts*
- M&SOM Annual Meeting, 2011 (Ann Arbor, MI); *Performance Contracting in Service-Support Supply Chains with an Informed Manufacturer*
- INFORMS Annual Meeting, 2009 (San Diego, CA); *Disruption Risk Management and Supply-Chain Resilience*
- INFORMS Annual Meeting, 2009 (San Diego, CA); *Securing the Containerized Supply Chain: Analysis of Government Incentives for Private Investment.*
- INFORMS Annual Meeting, 2009 (San Diego, CA); *Estimating the Operational Impact of Container Inspections at International Ports.*
- M&SOM Annual Meeting, 2009 (Boston, MA); *Estimating the Operational Impact of Container Inspections at International Ports.*
- POMS Annual Meeting, 2008 (San Diego, CA); *Securing the Containerized Supply Chain: An Economic Analysis of C-TPAT*
- INFORMS Annual Meeting, 2007 (Seattle, WA); *Securing the Containerized Supply Chain: An Economic Analysis of C-TPAT*
- INFORMS Annual Meeting, 2007 (Seattle, WA); *On Measuring Supply Chain Resilience*
- POMS Annual Meeting, 2007 (Dallas, TX); *Co-opetition & Investment in the Security of Global Supply Chains*
- M&SOM Annual Meeting, 2006 (Atlanta, GA); *Towards Disruption Free Supply Chains*
- Integrated Risk Management in Operations and Global Supply Chain Management Conference, 2006 (Ann Arbor, MI); *Trading Inventory for Information and Speed - An Options based approach to Contingency Sourcing*

INVITED TALKS

2007-2008

- Carlson School, University of Minnesota
- Fuqua School, Duke University
- Indian School of Business, Hyderabad
- Kellogg School, Northwestern University
- Kelley School of Business, Indiana University
- London Business School
- Rotman School, University of Toronto

- Smith School, University of Maryland

2008-2009

- Cambridge Networks Forum, University of Cambridge.

2010-2011

- Management Science group, London School of Economics
- Judge Business School, Cambridge University

2011-2012

- School of Business Administration, University of Miami
- College of Administrative Sciences and Economics, Koc University
- 14th Logistics Management Summit, Istanbul, Turkey

2012-2013

- Judge Business School, Cambridge University
- McDonough School of Business, Georgetown University

2013-2014

- Institute for Supply Chain Management, EBS University, Germany

2014-2015

- David Eccles School of Business, University of Utah
- Marshall School of Business, USC
- Graduate School of Business, Stanford University
- Carroll School of Management, Boston College

2015-2016

- David Eccles School of Business, University of Utah
- Graduate School of Business, Columbia University
- Harvard Business School, Harvard University
- The Wharton School, University of Pennsylvania
- Durham University, UK
- 2016 Supply Chain Finance & Risk Management Workshop, Washington University in St. Louis

2018-19

- Desautels Faculty of Management, McGill University, Canada

2020-21

- Consortium Virtual Seminar Series (led by Indiana University)

2022-23

- QHF seminar series, David Eccles School of Business, U. Utah
- Information and Decision Algorithms Laboratories, Brigham Young University
- Cox School of Business, Southern Methodist University

2023-24

- SCM Conference: Sustainability, Social Responsibility and Resilience in Supply Chains; Gies College of Business, UIUC (February 2024); scheduled.
- Data Science Seminar, Department of Computer Science, University of Utah (April 2024); scheduled.

Ph.D. SUPERVISION

- Ali Kaan Tuna (Duke University; dissertation committee member). Expected graduation, 2024.
- Woonam Hwang (co-supervised with Victor DeMiguel at London Business School). Graduated, 2015. First placement: HEC Paris, France.
- Shyam Mohan (primary advisor at London Business School). Graduated, 2017. First placement: Manchester Business School, University of Manchester, UK.

UNDERGRADUATE HONORS THESIS SUPERVISION

- Carly Lillian Ho (2019) – winner of the 2019 Outstanding Undergraduate Research Award at David Eccles School of Business. Topic: Applying game theory to the human trafficking supply chain.
- Lizzy Goates (2019). Topic: Supply chain risk management at Intermountain Healthcare: Hurricane Maria.

SERVICE

- Chair, Department of Operations and Information Systems, David Eccles School of Business, University of Utah, 2023 -
- Judge for Public Sector Operations Research (PSOR) Best paper award 2023
- Associate Editor, *Manufacturing & Service Operations Management*, 2018-2020
- Guest Associate Editor, *Journal of Operations Management*, 2021
- Guest Associate Editor, *Production and Operations Management*, 2021

- Co-chair (joint with Manu Goyal), Faculty Search Committee, Operations & Information Management Department, University of Utah, 2020
- Chair, Grading Policy Review Committee (ad-hoc), University of Utah, 2020
- Co-chair (joint with Manu Goyal), Utah Winter Operations Conference, 2018, 2019, 2020, 2022.
- Co-organizer (joint with Manu Goyal), Seminar Series in Operations Management, David Eccles School of Business, 2017 – 2021.
- Member, Undergraduate Curriculum Committee, University of Utah, 2016-22
- Member, Academic Senate, University of Utah, 2017-19
- Referee Work for Journals: J. of Quantitative Criminology, Management Science, Operations Research, Manufacturing and Service Operations Management (M&SOM), Production and Operations Management (POM), Journal of Operations Management, Annals of Operations Research, European Journal of Operational Research, Naval Research Logistics, Risk Analysis, NSF proposals.
- Judge for M&SOM Best Student Paper Competition (2017, 2018, 2020, 2021).
- Reviewer for the M&SOM Services Special Interest Group (2009, 2011 - 13, 2015 - 18).
- Reviewer for the M&SOM iFORM Special Interest Group 2022.
- Chair of the Supply Chain Special Interest Group, M&SOM conference 2016 (joint with Sang-Hyun Kim, Yale University)
- PhD Program Coordinator (joint with Jeremie Gallien), London Business School, 2011-15
- INFORMS M&SOM Cluster Chair 2013 (joint with Sarang Deo, ISB)
- Production and Operations Management Society Conference Track Chair 2014 for Supply Chain Risk Management (joint with Alex Yang, London Business School)
- Treasurer, College of Supply Chain Management, Production and Operations Management Society (2014-2016)
- Co-organizer (joint with Nicos Savva), Seminar Series in Management Science and Operations, London Business School, 2008 – 2010.

AWARDS

- Finalist for the 2021 INFORMS Service Science Best Cluster Paper Award. For the paper, “Reducing Judicial Delay in Resource-Constrained Settings: A Data-Driven Queueing Approach.”
- 2017-21 David Eccles Faculty Fellow, University of Utah
- 2017 MBA Teaching Award, London Business School
- 2014 *M&SOM* Meritorious Service Award
- 2014 *Management Science* Meritorious Service Award
- Research Grant from DIIE (Deloitte Institute of Innovation and Entrepreneurship) at LBS, 2012. For project titled “Coordinating With Simple Penalty Contracts When Suppliers Can Improve Reliability” (jointly with W. Hwang and V. DeMiguel).
- Winner, Wickham Skinner Award 2010. For the paper “Co-opetition and Investment for Supply-Chain Resilience”; adjudged by editors of *Production and Operations Management* (POM) as the best published paper in POM in 2009. Award Committee Citation: http://www.poms.org/Best_Paper_Award_2010.pdf
- Winner, Stan Hardy Award 2010. For the paper “Co-opetition and Investment for Supply-Chain Resilience”; adjudged by Midwest-DSI to be the best published paper in Operations Management in 2009 across 5 journals: *Decision Sciences*, *IJOM*, *JOM*, *M&SOM*, and *POM*.
<http://www.pom.edu/mwdsi/MWDSI%20Stan%20Hardy%20Award%20Winners.htm>
- Winner, George B. Dantzig Dissertation Award, 2009. Awarded by INFORMS for the best dissertation that is innovative and relevant to the practice of Operations Research and the Management Sciences.
<http://www.lionhrtpub.com/orms/news/informs/inf1209dantzig.html>
- Joint Winner: Best Student Paper Competition – Production and Operations Management Society, 2008. For the paper “Securing the Containerized Supply Chain: An Economic Analysis of C-TPAT”.
- Ackoff Fellowship, Wharton Risk Management & Decision Processes Center; 2007-2008.

- Penn Lauder CIBER (Center for International Business Education and Research) Grant for Dissertation Research; 2007.
- Participant, Wharton-OU grant for Intermodal Container Freight Security research – D.O.T. (\$128,000); 2007-2008.
- Participant, Wharton-Lockheed Martin grant for research on Decision Making and Mitigation of Catastrophic Risks – Lockheed Martin (\$150,000); Summer 2006.
- Wharton Doctoral Fellowship; 2003-2008.
- National Talent Search Scholar, Govt. of India; 1992-1994.

MEDIA COVERAGE

- Securing the Containerized Supply Chain: Analysis of Government Incentives for Private Investment

<http://homelandsecuritynewswire.com/incentives-private-industry-risk-based-inspection-cargo-containers>

<http://esciencenews.com/articles/2010/02/19/shift.cost.port.security.government.private.industry.says.informs.study>

- Estimating the Operational Impact of Container Inspections at International Ports

<http://www.economist.com/node/21017090> (The Economist)

<https://onlinelibrary.wiley.com/doi/epdf/10.1111/j.1467-8616.2010.00714.x>
(Business Strategy Review)

<http://www.informs.org/article.php?id=1602> (Similar reports covering the INFORMS press release were published in a number of other websites related to Homeland Security research, e.g., eurekaalert, redorbit, etc.)

<http://www.homeland1.com/port-security/articles/587669-Order-in-the-port>

<http://www.nationaldefensemagazine.org/archive/2009/March/Pages/StudyBlastsContainerScanningProcess.aspx>

- Managing a disaster

<https://www.london.edu/lbsr/managing-a-disaster> (Business Strategy Review)

- The Resilient Society

<https://www.london.edu/lbsr/the-resilient-society> (Business Strategy Review)

- Shipping container apartments' opening delayed by global shortages, developer says

<https://www.sltrib.com/news/business/2021/10/15/shipping-container/> (The Salt Lake Tribune)