

Gökçe Esenduran

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Education

Ph.D. Operations, Technology, and Innovation Management, University of North Carolina at Chapel Hill, Kenan-Flagler Business School, 2010.

M.Sc. Industrial Engineering, Boğaziçi University, Istanbul, 2004.

B.Sc. Industrial Engineering, Boğaziçi University, Istanbul, 2002.

Employment

Assistant Professor in Operations Management, Krannert School of Management, Purdue University, June 2017–present.

Associate Professor of Operations Management (with tenure), Fisher College of Business, The Ohio State University, June 2017.

Assistant Professor of Operations Management, Fisher College of Business, The Ohio State University, July 2010–June 2017.

Research Interests

Sustainable Operations, Environmental Regulations, Extended Producer Responsibility, Closed-Loop Supply Chain Management, Operations Marketing Interface

Publications

Published/Accepted Papers in Refereed Journals

1. Esenduran, G., Y. Lin, W. Xiao, and M. Jin, 2018, "Choice of E-Waste Recycling Standard under Recovery Channel Competition." accepted at *Manufacturing & Service Operations Management*.
2. Esenduran, G., L.X. Lu, and J.M. Swaminathan, 2018, "Buyback Pricing of Durable Goods in Dual Distribution Channels." accepted at *Manufacturing & Service Operations Management*.
3. Esenduran, G., A. Atasu, and L.N. Van Wassenhove, 2018, "Valuable E-Waste: Implications for Extended Producer Responsibility." accepted at *IIE Transactions* (formerly *IIE Transactions*).
4. Esenduran, G., E. Kemahlioğlu-Ziya, and J.M. Swaminathan, 2017, "Impact of Take-Back Regulation on the Remanufacturing Industry," *Production and Operations Management*, Vol. 26(5), pp 924-944.
5. Gray, J.V., G. Esenduran, M.J. Rungtusanatham, and K. Skowronski, 2017, "Why in the World Did They Reshore? Examining Small-to-Medium Sized Manufacturer Decisions," *Journal of Operations Management*, Vol. 49, pp 37-51.

- Winner of JOM Jack Meredith Best Paper Award

6. Esenduran, G., E. Kemahlioğlu-Ziya, and J.M. Swaminathan, 2016, "Take-Back Legislation: Consequences for Remanufacturing and Environment," *Decision Sciences*, Vol. 47(2), pp 219-256.
7. Esenduran, G. and E. Kemahlioğlu-Ziya, 2015, "A Comparison of Product Take-Back Compliance Schemes," *Production and Operations Management*, Vol. 24(1), pp 71-88.
8. Esenduran, G., N.G. Hall, and Z. Liu, 2015, "Compliance with Environmental Regulation in Project-Based Industries," *Naval Research Logistics*, Vol. 62(3), pp 228-247.
9. Buxel, H., G. Esenduran, and S. Griffin, 2015, "Strategic Sustainability: Creating Business Value with Life Cycle Analysis," *Business Horizons*, Vol. 58(1), pp 109-122.
10. Gray, J.V., K. Skowronski, G. Esenduran, and M.J. Rungtusanatham, 2013, "The Reshoring Phenomenon: What Supply Chain Academics Ought to Know and Should Do," *Journal of Supply Chain Management*, Vol. 49(2), pp 27-33.
 - One of the ten most downloaded papers in the journal in 2016, with 1733 downloads.
11. Bilge, U., G. Esenduran, N. Varol, Z. Ozturk, B. Aydin, and A. Alp, 2006, "Multi-Attribute Responsive Dispatching Strategies for Automated Guided Vehicles," *International Journal of Production Economics*, Vol. 100, pp 65-75.

Papers under Review/Revision

11. Esenduran, G., J.A. Hill, and I. Noh, 2017, "Understanding the Online Resale-Channel Choice for Used Electronics." under revision.

Manuscripts in Preparation

13. Letizia, P., G. Esenduran, A. Ovchinnikov, 2018, "Optimal Returns Policies for Customized Products."
14. Esenduran, G., J.V. Gray, B. Tan, 2018, "Supply Management and Supply Risk."

Work in Progress

15. Esenduran, G., 2018, "Delivery Terms in Voluntary Carbon-Offset Markets."

Book Chapters

16. Esenduran, G., A. Atasu, 2016, "The Effect of EPR on the Markets for Waste," in "Environmentally Responsible Supply Chains," Ed. A. Atasu, Springer.
17. Esenduran, G., E. Kemahlioğlu-Ziya, and J.M. Swaminathan, 2012, "Product Take-Back Legislation and Its Impact on Recycling and Remanufacturing Industries," in "Sustainable Supply Chains: Models, Methods, and Public Policy Implications," Eds. T. Boone, V. Jayaraman, R. Ganeshan, Springer.

Other Publications and Refereed Conference Proceedings

- Lin, Y., W. Xiao, G. Esenduran, and M. Jin, 2017, "Choice of E-Waste Recycling Standard under Recovery Channel Competition," MSOM Conference, Chapel Hill, NC (extended abstract).
- Esenduran, G., J.V. Gray, B. Tan, 2017, "Supply Management and Supply Risk," MSOM Conference, Chapel Hill, NC (extended abstract).
- Griffin S., H. Buxel, and G. Esenduran, 2013, "Surprising Insights from Environmental Screenings," MIT Sloan Management Review, Big Idea: Sustainability, Opinion & Analysis, Available at: <http://sloanreview.mit.edu/article/surprising-insights-from-environmental-screenings/>

- Esenduran, G., E. Kemahlioğlu-Ziya and J. Swaminathan, 2013, "The Impact of Take-back Legislation on Remanufacturing," MSOM Conference, Fontainebleau, France (extended abstract).
- Esenduran, G. and Kemahlioğlu-Ziya, 2009, "Complying with Take-Back Legislation: A Cost Comparison and Benefit Analysis of Three Compliance Schemes," MSOM Conference, Boston, MA, USA (extended abstract).
- Esenduran, G., E. Kemahlioğlu-Ziya and J. Swaminathan, 2008, "Remanufacturing Under Take-Back Legislation: Cost Benefits or Potential Competition?" SIG Conference on Supply Chain Management, Adelphi, MD, USA.
- Esenduran, G., E. Kemahlioğlu-Ziya and J. Swaminathan, 2007, "Outsourcing Remanufacturing Operations: Cost Benefits or Potential Competition," MSOM Conference, Beijing, China (extended abstract).
- Aras, N., G. Esenduran and İ.K. Altınel, 2004, "Product Line Selection and Pricing with Remanufacturing Under Availability Constraints," Proceedings of SPIE: Environmentally Conscious Manufacturing IV, Vol. 5583, pp. 244-256, ed. S. M. Gupta, Pennsylvania, USA.

Teaching Interests

Sustainable Operations, Operations Management, Data Analysis for Managers, Game Theory

Teaching Experience

- Undergraduate
 - Core: Operations Management (MGMT 361)
Spring 2018-present
 - Core: Introduction to Operations Management (BUSMGT 3230, former BUSMGT 630)
Spring 2011- Spring 2017, Fisher College of Business, OSU
 - Core: Operations Management
Summer 2009, Kenan-Flagler Business School, UNC-Chapel Hill
- MBA
 - Elective: Sustainable Operations Management (BUSMGT 7253)
Spring 2013-Fall 2016, Fisher College of Business, OSU
 - Core: Data Analysis for Managers (MBA 870)
Winter 2011-2012, Fisher College of Business, OSU
 - Independent Study: Game Theory
Fall 2014, Fisher College of Business, OSU
- PhD
 - Doctoral Seminar: Game Theory in Operations Management
Fall 2015, Fisher College of Business, OSU
 - Doctoral Seminar: Sustainable Operations Management
Fall 2013, Fisher College of Business, OSU

Other Teaching Experience

- Teaching Assistant, Kenan-Flagler Business School, UNC-Chapel Hill, 2007-2008
 - Operations Management, Global Operations Management, Global Supply Chain Management
- Teaching Assistant, Boğaziçi University, Dept. of Industrial Engineering, 2002-2005
 - Stochastic Models, Optimization, Quality Engineering, Production Planning, Applied Statistics and Design of Experiments

Honors, Awards, Grants & Fellowships

- DSJ Best Reviewer Award, 2017.
- POM reviewer recognition, 2017.
- GE Middle Market Grant/Fellowship, Fisher College of Business, 2017.
- Small Research Grant, The Ohio State University, "Supply Management and Supply Risk," 2016.
- Outstanding Reviewer, Decision Sciences Journal, 2014.
- Small Research Grant, The Ohio State University, "From Offshoring to reshoring: Where do intermediate and small sized manufacturers stand?" 2013.
- Co-winner, Decision Sciences Institute Elwood S. Buffa Doctoral Dissertation Award, 2011.
- Outstanding Graduating Student Award, Kenan-Flagler Business School, 2010.
- Dissertation Completion Fellowship, UNC Graduate School, 2009-2010.
- Future Faculty Fellowship, UNC Center for Faculty Excellence, 2008.
- M. Wayne DeLozier Fellowship, Kenan-Flagler Business School, 2008.
- Ranked 81st in the University Entrance Exams (among 1.3 million applicants), 1998.

Invited Presentations

Research Seminars

HEC Paris, Operations Management and Information Technology Dept., Mar 2018.

The University of Tennessee, Haslam College of Business, Sept 2017.

Purdue University, Krannert School of Management, Jan 2017.

Tulane University, Freeman School of Business, Dec 2016.

Michigan State University, Eli Broad College of Business, Nov 2016.

The Ohio State University, John Glenn School of Public Affairs, Feb 2014.

The Ohio State University, Integrated Systems Engineering, Oct 2010.

Vanderbilt University, Owen Graduate School of Management, Apr 2010.

Universidade Nova de Lisboa, Faculdade de Economia, Lisbon, Portugal, Feb 2010.
 HEC Paris, Operations Management and Information Technology Dept., Paris, France, Feb 2010.
 Bentley University, Management Department, Feb 2010.
 Tulane University, Tulane Energy Institute, Jan 2010.
 State University of New York, School of Management, Jan 2010.
 Sabanci University, Faculty of Management, Jan 2010.
 Erasmus University, Rotterdam School of Management, Jan 2010.
 The Ohio State University, Fisher College of Business, Dec 2009.
 George Washington University, School of Business, Dec 2009.

Workshop Presentations

University of Florida, Warrington College of Business Administration, ISOM Annual Research Workshop, Feb 2016
 NC State Poole College Business, Environmentally Sustainable Supply Chain Management Workshop for Early-Career Faculty, Feb 2016.
 University of North Carolina, Kenan-Flagler Business School, Junior Faculty Symposium, Mar 2012.
 INSEAD Europe Campus, Closed-Loop Supply Chains Workshop: “Hot Problems in CLSC: Seeking Relevance,” Fontainebleau, France, Oct 2014
 The Ohio State University, Fisher College of Business, Junior Faculty Colloquium, May 2012.
 Indiana University, Kelley School of Business, Workshop in New Product Development, Innovation, and Sustainability, Oct 2010.

Conference Presentations

(Presentations by co-authors are not listed.)

- “Can On-Shoring Really Happen for SMEs?”
 Global Trade, Global Trade-offs Conference, UNC Kenan-Flagler Business School, April 2018
- “Competition in Carbon-Offset Markets”
 EURO 2018, 29th European Conference on Operational Research, Valencia, July 2018
 POMS Annual Meeting, Houston, May 2018.
 POMS Annual Meeting, Seattle, May 2017.
 EURO 2016, 28th European Conference on Operational Research, Poznan, July 2016
- “Supply Management and Supply Risk” (with J.V. Gray and B. Tan),
 MSOM Annual Meeting, Chapel Hill, June 2017 (refereed).
 POMS Annual Meeting, Orlando, May 2016.
- “Impact Of Recycling Standards On E-waste Recovery In The Presence Of Secondary Market” [Former title “Impact of Certification Programs on Waste Recovery”] (with Y. Lin, W. Xiao, and M. Jin)
 INFORMS Annual Meeting, Houston, Nov 2017

- POMS Annual Meeting, Seattle, May 2017.
- INFORMS Annual Meeting, Nashville, Nov 2016
- INFORMS Annual Meeting, Philadelphia, Nov 2015
- “Buyback Pricing of Durable Goods in Dual Distribution Channels” [Former title “Managing Dual Distribution Channels under Uncertainty”] (with L.X. Lu and J.M. Swaminathan)
 - INFORMS Annual Meeting, Houston, Nov 2017
 - POMS Annual Meeting, Atlanta, May 2014
 - POMS Annual Meeting, Chicago, May 2012
 - POMS Annual Meeting, Reno, May 2011
 - INFORMS Annual Meeting, Charlotte, Nov 2011
 - “Valuable E-Waste: Implications for Extended Producer Responsibility” [Former titles “How does Extended Producer Responsibility Fare when Waste has Value?,” “Regulating Markets for Valuable Waste”] (with A. Atasu and Luk N. Van Wassenhove)
 - INFORMS Annual Meeting, Nashville, Nov 2016
 - INFORMS Annual Meeting, San Francisco, Nov 2014
 - Alliance for Research on Corporate Sustainability (ARCS) Conference, Ithaca, May 2014 (refereed)
 - POMS Annual Meeting, Atlanta, May 2014
 - INFORMS Annual Meeting, Phoenix, Oct 2012
 - POMS Annual Meeting, Chicago, May 2012
 - POMS Annual Meeting, Reno, May 2011
 - INFORMS Annual Meeting, Charlotte, Nov 2011
 - “Impact of Take-Back Regulation on the Remanufacturing Industry” [Former title “Increased Remanufacturing through Take-Back Legislation and Competition” and “Remanufacturing under Take-Back Legislation: Cost Benefits or Potential Competition?”] (with E. Kemahloğlu-Ziya and J.M. Swaminathan)
 - POMS Annual Meeting, Washington DC, May 2015
 - INFORMS Annual Meeting, Minneapolis, Oct 2013
 - EURO/INFORMS Joint International Meeting, Rome, Jul 2013
 - INFORMS Annual Meeting, San Diego, Oct 2009
 - INFORMS Annual Meeting, Seattle, Nov 2007
 - “Take-Back Legislation: Consequences for Remanufacturing and Environment” [Former title “Are Reuse Targets Good for the Environment?”] (with E. Kemahloğlu-Ziya and J.M. Swaminathan)
 - POMS Annual Meeting, Atlanta, May 2014
 - POMS Annual Meeting, Denver, May 2013
 - “Compliance with Environmental Regulation in Project-Based Industries” (with N.G. Hall and Z. Liu)
 - INFORMS Annual Meeting, Minneapolis, Oct 2013
 - POMS Annual Meeting, Denver, May 2013
 - INFORMS Annual Meeting, Phoenix, Oct 2012
 - “Complying with Take-Back Legislation” [Former title “Complying with Take-Back Legislation : A Cost Comparison and Benefit Analysis of Three Compliance Schemes”] (with E. Kemahloğlu-Ziya)
 - INFORMS Annual Meeting, Austin, Nov 2010
 - MSOM Annual Meeting, Boston, Jun 2009 (refereed)
 - POMS Annual Meeting, Orlando, May 2009

Media Mentions

- "Helping companies adapt on climate change," Cincinnati Enquirer, <http://www.cincinnati.com/story/money/2016/05/06/helping-companies-adapt-climate-change/84020972/>

Executive Presentations

- "Creating Business Value with Life Cycle Analysis," Center for Operational Excellence, Leading Through Excellence Summit, April 2014.
- "Sustainable Value Stream: A Life Cycle Analysis," Center for Operational Excellence, September 2013.

Professional Service

Journal Service

Associate Editor for Decision Sciences Journal (2017-present).

Reviewer for Production and Operations Management.

Ad-hoc Reviewer for *Management Science*, *Manufacturing and Service Operations Management*, *Journal of Operations Management*, *Decision Sciences*, *Journal of Industrial Ecology*, *European Journal of Operational Research*, *Omega*, *Service Science*.

Conference Service

Track co-chair of Closed Loop Supply Chains, POMS Annual Meeting, Houston, May 2018.

Track co-chair of Environmental Operations Management, POMS Annual Meeting, Florida, May 2016.

Track chair of Marketing and OM Interface, POMS Annual Meeting, Atlanta, May 2014.

Co-organizer of workshop on "Teaching an Entire Course on Sustainability," DSI Annual Meeting, Tampa, Nov 2014.

Cluster co-chair of Sustainable Operations, INFORMS Midwestern, Columbus, Aug 2011.

Session Chair

- Game Theory Applications in Operations and Sustainability, EURO 2018, Valencia, July 2018.
- Competition and Environmental Sustainability POMS Annual Meeting, Houston, May 2018.
- Operational issues in closed-loop supply chains, POMS Annual Meeting, Houston, May 2018 (co-chaired with E. Kemahlioğlu-Ziya).
- Social and Environmental Responsibility in Supply Chains, POMS Annual Meeting, Houston, May 2018 (co-chaired with E. Kemahlioğlu-Ziya).
- Game Theory Applications in Operations and Sustainability, EURO Annual Meeting, Valencia, July 2018.
- Environmental Issues in Operations, POMS Annual Meeting, Seattle, May 2017.
- Environmental Issues in Operations, INFORMS Annual Meeting, Nashville, Nov 2016.
- Applications of Game Theory in OM, EURO Annual Meeting, Poznan, July 2016.
- Game Theoretical Models in Environmental Issues, EURO Annual Meeting, Rome, July 2013.
- Integrating Sustainability into Oper. Decisions, POMS Annual Meeting, Denver, May 2013.
- Green Supply Chain Management, INFORMS Annual Meeting, Phoenix, Oct 2012.
- Contracts and Conflicts, POMS Annual Meeting, Chicago, May 2012.
- Sustainable Operations, POMS Annual Meeting, Chicago, May 2012.
- Environmental Issues in SCM, INFORMS Annual Meeting, Charlotte, Nov 2011.
- Product Take-Back and Competition, POMS Annual Meeting, Reno, May 2011.
- Distribution Channels and Pricing, POMS Annual Meeting, Reno, May 2011 (co-chair R. Chen).

- Legislative Issues, POMS Annual Meeting, Orlando, May 2008.
- Mathematical Modeling for Integrated Demand and Supply Chain Management, DSI Annual Meeting, New Orleans, Nov 2009.

Panelist

- "WORMS: Managing the Work/Life Balance," INFORMS Annual Meeting, Houston, Oct 2017.
- "Circular Economy and Closed Loop Supply Chains: Does Industry Matter?" POMS Annual Meeting, Florida, May 2016.
- "How to Identify and Interview for a Job," DSI Doctoral Consortium, Boston, Nov 2011.

Organization committee member for EURO/INFORMS Meeting, Istanbul, 2003.

Society Service

President, POMS College of Sustainable Operations, 2018-Present

Secretary, POMS College of Sustainable Operations, 2016-2018

Judge, Elwood S. Buffa Doctoral Dissertation Award, DSI, 2018.

Judge, POMS Emerging Economies Doctoral Students Award, 2018.

Judge, POMS College of Sustainable Operations Student Paper Competition, 2015, 2017.

Senior Treasurer, WORMS (Women in OR and MS), Jan 2015-Jan 2016.

Junior Treasurer, WORMS, Jan 2014-Jan 2015.

Co-chair, Elwood S. Buffa Doctoral Dissertation Award, 2014.

Internal Service

At Purdue University:

- Sustainability Research/Teaching Committee member (2018–present)
- Undergraduate Clubs Faculty Oversight Committee member (2017–2018)

At the Ohio State University:

- Course Coordinator for Undergraduate Core Operations Management (BUSMGT 3230), Spring 2017
- Doctoral Dissertation Committee Member for J. de Jong (Graduation: 2013, Chair: W.C. Benton) and E. Andic-Mortan (Graduation: 2016, Chair: T. Goldsby).
- Co-Advisor for OSU Net Impact (2012 – 2017)
- Advisor/Co-Advisor for Science and Engineering Business Club (2013 – 2017)
- Speaker at Leadership Summit, COE (2014)
- Facilitator at OLMA Link Symposium, COE (2012,2013)
- Speaker at Green Supply Chain Symposium, Net Impact (2012)
- Graduate Faculty Rep for Dissertations (ARTEDU 2013, INDENG 2012, COMPSTD 2011)
- Visiting Speaker Committee Chair (2010 – 2011)

Professional Affiliations

The Institute for Operations Research and the Management Sciences (INFORMS/MSOM), Production and Operations Management Society (POMS), Women in OR and MS (WORMS), Decision Science Institute (DSI).