

# **Tamer Boyaci**

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## **Current employment**

Michael Diekmann Chair in Management Science, June 2016–Present;  
Professor of Management Science, September 2015–Present;  
Dean of Faculty and Research, September 2019–August 2022;  
Director of Research, January 2017–August 2019;  
ESMT Berlin, Berlin, Germany

## **Education**

PhD, Department of Industrial Engineering and Operations Research, Columbia University, New York, NY, USA, 1998.

MPhil, Department of Industrial Engineering and Operations Research, Columbia University, New York, NY, USA, 1998.

MS, Department of Industrial Engineering and Operations Research, Columbia University, New York, NY, USA, 1996.

BS, School of Engineering, Middle East Technical University, Ankara, Turkey, 1994.

## **Past employment**

Full Professor (with Tenure), Desautels Faculty of Management, Operations Management Area, McGill University, Montreal, Canada, 2013–August 2015.

Visiting Professor, Department of Business Administration, Operations and Information Area, College of Administrative Sciences and Economics, Koc University, Istanbul, Turkey, January 2015–June 2015.

Visiting Professor, Dept. of Business Administration, Operations and Information Area, College of Administrative Sciences and Economics, Koc University, Istanbul, Turkey, January 2014–June 2014.

Associate Professor (with Tenure), Desautels Faculty of Management, Operations Management Area, McGill University, Montreal, Canada, 2005–2013.

Visiting Professor, Dept. of Business Administration, Operations and Information Area, College of Administrative Sciences and Economics, Koc University, Istanbul, Turkey, September 2006–April 2007.

Assistant Professor (Tenure-track), McGill University, Montreal, Canada, 1998–2005.

Instructor, Dept. of Industrial Engineering and Operations Research, Columbia University, New York, NY, USA, 1996–1998.

Teaching and Research Assistant, Dept. of Industrial Engineering and Operations Research, Columbia University, New York, NY, USA, 1994–1998.

## **Publications**

### **Peer reviewed journal articles**

Boyaci, T., C. Canyakmaz, and F. de Véricourt (Forthcoming). Human and machine: The impact of machine input on decision-making under cognitive limitations. *Management Science*.

Canyakmaz, C., and T. Boyaci (2023). Queueing systems with rationally inattentive customers. *Manufacturing and Service Operations Management* 25 (1): 266–287.

Biçer, I., F. Lückner, and T. Boyaci (2022). Beyond retail stores: Managing product proliferation along the supply chain. *Production and Operations Management* 31 (3).

Huettner, F., T. Boyaci, and Y. Akçay (2019). Consumer choice under limited attention when alternatives have different information costs. *Operations Research* 67 (3): ii–iv, 599–904.

Mazahir, S., V. Verter, T. Boyaci, and L. Van Wassenhove (2019). Did Europe move in the right direction on e-waste legislation? *Production and Operations Management* 28(1): 121–139.

Nalca, A., T. Boyaci, and S. Ray (2018). Brand positioning and consumer taste information. *European Journal of Operational Research* 268 (2): 555–568.

Boyaci, T., and Y. Akçay (2018). Pricing when customers have limited attention. *Management Science* 64(7): 2995–3014.

Nie, X., T. Boyaci, M. Gumus, S. Ray, and D. Zhang (2017). Joint procurement and demand-side bidding strategies under price volatility. *Annals of Operations Research* 257 (1–2): 121–165.

Huang, X., T. Boyaci, M. Gumus, S. Ray, and D. Zhang (2016). United we stand or divided we stand? Strategic supplier alliances under order default risk. *Management Science* 62 (5): 1297–1315.

Zhu, J., T. Boyaci, and S. Ray (2016). Effects of upstream and downstream mergers on supply chain profitability. *European Journal of Operational Research* 249 (1): 131–143.

Galbreth, M., T. Boyaci, and V. Verter (2013). Product reuse in innovative industries. *Production and Operations Management* 22 (4): 1011–1033.

Akçay, Y., T. Boyaci, and D. Zhang (2013). Selling with money-back guarantees: The impact on prices, quantities, and retail profitability. *Production and Operations Management* 22 (4): 777–791.

Nalca, A., T. Boyaci, and S. Ray (2013). Competitive price-matching guarantees: Equilibrium analysis of the availability verification clause under demand uncertainty. *Management Science* 59 (4): 971–986.

Robotis, A., T. Boyaci, and V. Verter (2012). Investing in reusability of products of uncertain remanufacturing cost: The role of inspection capabilities. *International Journal of Production Economics* 140 (1): 385–395.

Toyasaki, F., T. Boyaci, and V. Verter (2011). An analysis of monopolistic and competitive take-back schemes for WEEE recycling. *Production and Operations Management* 20 (6): 805–823.

Nalca, A., T. Boyaci, and S. Ray (2010). Competitive price-matching guarantees under imperfect store availability. *Quantitative Marketing and Economics* 8 (3): 275–300.

Boyaci, T., and Ö. Özer (2010). Information acquisition for capacity planning via pricing and advance selling: When to stop and act? *Operations Research* 58 (5): 1328–1349.

Song, Y., S. Ray, and T. Boyaci (2009). Technical note: Optimal dynamic joint inventory-pricing control for multiplicative demand with fixed order costs and lost sales. *Operations Research* 57 (1): 245–250.

Wojanowski, R., V. Verter, and T. Boyaci (2007). Retail–collection network design under deposit–refund. *Computers and Operations Research* 34 (2): 324–345.

Aras, N., V. Verter, and T. Boyaci (2006). Coordination and priority decisions in hybrid manufacturing/remanufacturing systems. *Production and Operations Management* 15 (4): 528–543.

Boyaci, T., and S. Ray (2006). The impact of capacity costs on product differentiation in delivery time, delivery reliability, and price. *Production and Operations Management* 15 (2): 179–197.

Ray, S., T. Boyaci, and N. Aras (2005). Optimal prices and trade-in rebates for durable, remanufacturable products. *Manufacturing and Service Operations Management* 7 (3): 208–228.

Boyaci, T. (2005). Competitive stocking and coordination in a multiple-channel distribution system. *IIE Transactions* 37 (5): 407–427.

Aras, N., T. Boyaci, and V. Verter (2004). The effect of categorizing returned products in remanufacturing. *IIE Transactions* 36 (4): 319–331.

Boyaci, T., and G. Gallego (2004). Supply chain coordination in a market with customer service competition. *Production and Operations Management* 13 (1): 3–22.

Boyaci, T., and S. Ray (2003). Product differentiation and capacity cost interaction in time and price sensitive markets. *Manufacturing and Service Operations Management* 5 (1): 18–36.

Boyaci, T., and G. Gallego (2002). Managing waiting times of backordered demands in single-stage (Q,r) inventory systems. *Naval Research Logistics* 49 (6): 557–573.

Boyaci, T., and G. Gallego (2002). Coordinating pricing and inventory replenishment policies for one wholesaler and one or more geographically dispersed retailers. *International Journal of Production Economics* 77 (2): 95–111.

Boyaci, T., and G. Gallego (2001). Minimizing holding and ordering costs subject to a bound on backorders is as easy as solving a single backorder cost model. *Operations Research Letters* 29 (4): 187–192.

Boyaci, T., and G. Gallego (2001). Serial production/distribution systems under service constraints. *Manufacturing and Service Operations Management* 3 (1): 43–50.

#### **Manuscripts Under Review in Peer Reviewed Journals**

Boyaci, T., S. Chakraborty, S. and H. Gurkan “Persuading Skeptics and Fans in Presence of Additional Information” Under Review in *Production and Operations Management*. December 2022

## **Book chapters**

Atasu, A., and T. Boyaci (2010). Take-back legislation and its impact on closed-loop supply chains. In *Wiley encyclopedia of operations research and management science*, ed. J. Cochran, L. Cox Jr., P. Keskinocak, J. Kharoufeh, and J. Smith. New York: Wiley.

Aras, N., T. Boyaci, and V. Verter (2010). Designing the reverse logistics network. In *Closed-loop supply chains*, ed. M. Ferguson and G. Souza, 67–98. Boca Raton: Taylor and Francis.

## **Peer reviewed proceedings**

Huang, X., T. Boyaci, M. Gumus, S. Ray, D. Zhang “Strategic Supplier Alliances Under Default Risk”. *Proceedings of the 2012 Manufacturing and Service Operations Management Conference* (refereed extended abstract) Columbia University, June 2012.

Nalca, A., T. Boyaci and S. Ray “Private Labels vs. National Brands: New Product Introduction and Asymmetric Demand Information”. *Proceedings of the 2011 Manufacturing and Service Operations Management Conference* (refereed extended abstract) University of Michigan, Ann Arbor, June 2011.

Nalca, A., T. Boyaci and S. Ray “Competitive Price Matching in an Uncertain Demand Environment”. *Proceedings of the 2009 Manufacturing and Service Operations Management Conference* (refereed extended abstract) MIT, Boston, June 2009.

Toyasaki F., T. Boyaci and V. Verter “An Analysis of Monopolistic and Competitive Collection Schemes for WEEE Recycling”. *Proceedings of the MSOM 2008 Supply Chain Management Special Interest Group (SIG) Conference* (refereed), University of Maryland, College Park, June 2008.

Boyaci, T., Ray, S. and Y. Song “Value of Decision Flexibilities and Information Updating in a Two-Echelon Supply Chain with Price-Sensitive Stochastic Demand”. *Proceedings of the 2005 Manufacturing and Service Operations Management Conference* (refereed extended abstract) Northwestern University, Evanston, June 2005.

Boyaci T. and G. Gallego, “Supply Chain Coordination Under Customer Service Competition”, *Proceedings of the 4th Manufacturing and Service Operations Management Conference*, University of Michigan, Ann Arbor, June 2000.

## **Other publications**

Boyaci, T., G. Gallego, K. Shang, and J.-S. Song (2003). Erratum: Serial production/distribution systems under service constraints. 372–374.

## ***Invited University and Industry Presentations***

Bogazici University, Istanbul

Bilkent University, Istanbul

Carnegie Mellon University

Case Western Reserve University

Erasmus University Rotterdam

Eindhoven Technical University

Environment Canada, National EPR Policy Maker's Meeting, Vancouver

European School of Technology and Management (ESMT), Berlin

Georgia Tech., Scheller School of Management

HEC Paris

Hong Kong University of Science and Technology  
Koc University, Istanbul  
Kuhne Logistics University, Hamburg, Germany  
Middle East Technical University, Ankara  
McGill University, Desautels Faculty of Management  
Queens University, Smith School of Business  
Rennes Business School  
Sabanci University, Istanbul  
Stanford University  
Texas A&M University  
University of British Columbia  
University of Mannheim  
University of Toronto  
Wilfrid Laurier University  
Wirtschaftsuniversität Wien  
3M Canada  
Merck  
Nortel

### **Editorial services**

Associate Editor, *Naval Research Logistics*. November 2021- Present

Associate Editor, *Manufacturing & Service Operations Management*. January 2021- Present

Associate Editor, *Service Science* February 2019- Present

Associate Editor, *Decision Sciences*, October 2013–Present.

Senior Editor, *Production and Operations Management*, October 2013–Present.

Topical Editor, *Wiley Encyclopedia of Operations Research and Management Science (EORMS) (Energy and Environment)*, August 2011–Present.

Associate Editor, *Socio-Economic Planning Sciences*, January 2011–December 2013.

Guest Senior Editor, *Production and Operations Management (Special Issue on Global Supply Chain Risk Management)*, January 2012–July 2012.

Editorial Review Board Member, *Manufacturing & Service Operations Management*, January 2005–December 2005.

Co-Editor, *Computers & Operations Research (Special issue on Reverse Logistics)*, June 2003–January 2005.

### **Reviewer services**

*Annals of Operations Research; Computers and Operations Research; Decision Sciences; European Journal of Operational Research; Handbook of Pricing Management; Hong Kong Research Grants Council; IIE Transactions; International Journal of Production Economics; International Transactions in Operational Research; Management Science; Manufacturing and Service Operations Management; Marketing Science; Natural Sciences and Engineering Research Council (NSERC); Naval Research Logistics; Operations Research; Production Operations Management; Rensselaer Polytechnic Institute; Service Science; Social Sciences and Humanities Research Council (SSHRC); Socio-Economic Planning Sciences;; Wiley Encyclopedia of Operations Research and Management Science;*

Referee for the following academic conferences:

*MSOM 2012 Conference*

*MSOM 2011 Conference*

*MSOM 2010 Supply Chain SIG Conferences*

*MSOM 2008 Supply Chain SIG Conferences*

### **Research grants and fellowships**

Principal, Social Sciences & Humanities Research Council (SSHRC), *Product design and reuse in innovative industries: a sustainable operations perspective*, 2014–2019.

Principal, National Science and Engineering Research Council (NSERC), *Profitable, resilient and sustainable supply chains*, 2014–2019.

Marcel Desautels Institute for Integrated Management (MDIIM), 2013–2015.

Principal, National Science and Engineering Research Council (NSERC), *Integrated demand and supply management in dynamic environments*, 2008–2013.

Principal, Social Sciences & Humanities Research Council (SSHRC), *Designing regulatory policies for enhancing material and product recovery*, April 2008–March 2011.

Co-Principal, Social Sciences & Humanities Research Council (SSHRC), *Integrated operational risk management in supply chains*, March 2008–March 2011.

Co-Principal, Fonds de la Recherche en Santé Québec (FRSQ), *L'utilisation des modèles de simulation: un outil pour optimiser les temps d'attente liés à la prise en charge à l'urgence*, May 2007–April 2010.

Principal, National Science and Engineering Research Council (NSERC), *Design and coordination of customized supply chains*, 2003–2008.

Principal, Social Sciences & Humanities Research Council (SSHRC), *Firm-level analysis of alternative government policies for resource recovery*, April 2005–March 2008.

Principal, Fonds Québécois de la Recherche sur la Société et la Culture (FQRSC), *Inventory management in supply chains with product returns*, 2003–2006.

Co-Principal, Social Sciences & Humanities Research Council (SSHRC), *Resource recovery for environmental sustainability and competitiveness*, April 2002–March 2005.

Principal, National Science and Engineering Research Council (NSERC), *Management of service levels in production and distribution systems*, 1999–2003.

Principal, Desautels Faculty of Management, McGill University, *Management of reverse logistics systems*, 2001–2002.

Principal, Desautels Faculty of Management, McGill University, 1998–2001.

Principal, Desautels Faculty of Management, McGill University, *Designing efficient procedures for managing service levels in supply chains*, 1999–2000.

## **Graduate and post-graduate supervision**

Callioglu, Mert. ESMT Berlin, Berlin, Germany, October 2022 – Present. (PhD)

Canyakmaz, Caner. ESMT Berlin, Berlin, Germany, September 2017 – July 2021. (Postdoctoral fellow)

Hüttner, Franks. ESMT Berlin, Berlin, Germany, November 2015 – September 2019. (Postdoctoral fellow)

Mazhair, Shumail. McGill University, Montreal, Canada, November 2015 – August 2018. (Postdoctoral fellow)

Inay, Ali. McGill University, Montreal, Canada, September 2011–December 2014. (PhD)

Samieenia, Mohammad Javad. McGill University, Montreal, Canada, September 2011–December 2014. (PhD)

Heimrich, Mathijn Jan Retel. McGill University, Montreal, Canada, January 2013–December 2013. (Postdoctoral fellow)

Zhu, Jing. *Mergers and Acquisitions and Supply Chain Performance*. McGill University, Montreal, Canada, September 2006–March 2012. (PhD)

Xie, Lei. McGill University, Montreal, Canada, September 2010–August 2011. (Postdoctoral fellow)

Zangeneh, Ali Z. McGill University, Montreal, Canada, September 2007–August 2011. (PhD)

Karakayali, Ibrahim. McGill University, Montreal, Canada, September 2009–July 2011. (Postdoctoral fellow)

Huang, Xiao. McGill University, Montreal, Canada, September 2009–August 2010. (Postdoctoral fellow)

Nie, Xiaofeng. McGill University, Montreal, Canada, September 2008–April 2010. (Postdoctoral fellow)

Nalca, Arcan. *Competitive Price Matching Guarantees*. McGill University, Montreal, Canada, September 2003–August 2008. (PhD)

Toyasaki, Fuminori. McGill University, Montreal, Canada, September 2005–September 2007. (Postdoctoral fellow)

Robotis, Andreas. McGill University, Montreal, Canada, September 2005–August 2007. (Postdoctoral fellow)

Song, Yuyue. McGill University, Montreal, Canada, September 2004–July 2006. (Postdoctoral fellow)

Ozdemir, Deniz. McGill University, Montreal, Canada, January 2004–June 2005. (Postdoctoral fellow)

Kilavuz, Zeynep. McGill University, Montreal, Canada, September 2002–June 2004. (PhD)

Wojanowski, Rico. McGill University, Montreal, Canada, October 2002–September 2003. (Postdoctoral fellow)

Aras, Necati. McGill University, Montreal, Canada, October 2000–January 2003. (Postdoctoral fellow)

### ***Other professional activities (partial list)***

Committee Member, The Manufacturing & Service Operations Management (M&MSOM) Society, Young Scholar Award – 2021

Committee Member, The Manufacturing & Service Operations Management (M&MSOM) Society, iFORM (Interface of Finance, Operations, and Risk Management) SIG (Special Interest Group) Best Paper Award – May – June 2015

Organizing Committee Member, College of Sustainable Operations Workshop, Production and Operations Management Society (POMS), Vancouver, Canada, May 2010.

Track Organizer, Co-Chair (with V. Verter), Sustainable Operations & Humanitarian Logistics Track, 21th Annual Conference of the Production and Operations Management Society, Vancouver, Canada, May 2010.

President, College of Sustainable Operations, Production and Operations Management Society (POMS), Montreal, Canada, May 2008–April 2010.

Cluster Organizer, Co-Chair (with O. Ozalp), Inventory Management Cluster, INFORMS Annual Meeting, San Diego, CA, USA, 2009.

Organization Committee Member, (Co-chair M. Galbreth), POMS College of Sustainable Operations Workshop, Orlando, USA, April 2009

### ***Service to University (very partial list)***

Member, Academic Committee, ESMT Berlin, Berlin, Germany, 2017–Present.

Member as Dean of Faculty and Research, Management Committee, ESMT Berlin, Berlin, Germany, 2020–2022.

Chair, Faculty Evaluation Committee, ESMT Berlin, Berlin, Germany, 2019–2022.

Academic Director, Future Institute for Sustainable Transformation, ESMT Berlin, Germany 2021-22.

Director, Center for Sustainable Business Leadership, ESMT Berlin, Germany, 2019.

Organizer, Sustainable Business Roundtable, ESMT Berlin, Berlin, Germany, 2019–2022.

Member, Executive Management Committee, ESMT Berlin, Berlin, Germany, 2019–2020.

Chair, Research Ombudsperson, ESMT Berlin, Berlin, Germany, 2017–2019.

Associate Dean, Master's Program, McGill University, Montreal, Canada, 2011–2013.

Academic Director, Master's Program, McGill University, Montreal, Canada, 2010–2011.

Chair, Master's Program Committee, McGill University, Montreal, Canada, 2010–2013.

Chair, MBA Admissions Committee, McGill University, Montreal, Canada, 2010–2013.



### ***Honors and awards***

Productions and Operations Management Society (POMS) Senior Editor Award, Washington D.C., May 2019

President's Honor Roll for Teaching Excellence, *Operations Management*, MBA 2017, 2018

President's Honor Roll for Teaching Excellence, *Operations Management for Sustainability*, MIM 2017

President's Honor Roll for Teaching Excellence, *Operations and Supply Chain*, MIM 2016, 2017, 2019

MDIIM Faculty Fellow, McGill University, 2012-14.

Desautels Faculty Scholar, McGill University, 2011-14.

Quebec Teaching Chair Award (Bourse d'enseignement du Quebec), Quebec Government, 2009-2013.

Distinguished Teaching Award, McGill University, 2010.

Full tuition fellowship and assistantship, Columbia University, 1998.

Dean's High Honor List, Middle East Technical University, 1994.

### ***Languages***

Turkish (native), English (advanced), German (intermediate)

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