Mustafa H. TONGARLAK

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EDUCATION

Ph.D., Industrial Engineering and Management Sciences, Northwestern University, Evanston, IL	*03.2011*
M.S., Industrial Engineering and Management Sciences, Northwestern University, Evanston, IL	*12.2006*
B.S., Industrial and Systems Engineering, Texas A&M University, College Station, TX	*05.2005*
Graduated Summa Cum Laude with Foundation and University Honors	

EMPLOYMENT

Assistant Professor, Department of Management, Boğaziçi University	*2013-present*
Chair, Department of Management, Boğaziçi University	*2018-20*
Postdoctoral Research Fellow, Kellogg School of Management, Northwestern University	*2011-12*
Independent Researcher, Harvard Business School, Harvard University	*2010-13*
Research Assistant, Kellogg School of Management, Northwestern University	*2010-11*
Research Assistant, Department of IEMS, Northwestern University	*2006-09*
Researcher and Consultant, Delphi Corporation, Rochester, NY	*2008*

RESEARCH ARTICLES

1. A Dynamic Model for Managing Volunteer Engagement.
   Under Revision, 2021. With B. Ata, J. Field, and D. Lee.
2. A Diffusion Model of Dynamic Volunteer Capacity Management.
   Working Paper, 2021. With B. Ata, J. Field, and D. Lee.
3. Mechanisms for Increasing Sourcing from Capacity-Constrained Local Suppliers.
   Decision Sciences, 48(1) 108-149, 2017. With B. Ata and D. Lee.
4. Converting Retail Food Waste into By-Product.
   European Journal of Operational Research, 257(3) 944-956, 2017. With D. Lee.
5. On Scheduling a Multiclass Queue with Abandonments under General Delay Costs.
   Queueing Systems: Theory and Applications, 74(1) 65-104, 2013. With B. Ata.
6. Optimizing Organic Waste to Energy Operations.
   Manufacturing and Service Operations Management, 14(2) 231-244, 2012. With B. Ata and D. Lee.
7. Using Simulation Early in the Design of a Fuel Injector Production Line.
   Interfaces, 40(2) 105-117, 2010. With B. Ankenman, B. L. Nelson, L. Borne, and K. Wolfe.
   - *An earlier version appeared in 2008 Winter Simulation Conference Proceedings, 471-478.*
8. Metamodeling for Cycle Time-Throughput-Product Mix Surfaces Using Progressive Model Fitting.
   Production Planning and Control, 22(1) 50-68, 2011. With F. Yang, J. Liu, B. L. Nelson, and B. E. Ankenman.
   - *An earlier version appeared in 2007 Winter Simulation Conference Proceedings, 322-330.*
9. Relative Error Stochastic Kriging.
   2011 Winter Simulation Conference Proceedings, 3628-3640. With B.E. Ankenman and B. L. Nelson.

TEACHING CASES and CHAPTERS

10. Harvest: Organic Waste Recycling with Energy Recovery (A). *Harvard Business School Case*, 611-033. With B. Ata and D. Lee.
11. Harvest: Organic Waste Recycling with Energy Recovery (B). *Harvard Business School Supplement*, 611-034. With B. Ata and D. Lee.
12. Upcycling Fresh Food Items in Retail Operations. *Encyclopedia of Renewable and Sustainable Materials.* Reference Module in Materials Science and Materials Engineering. Elsevier. 566-570, 2020. With D. Lee.

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TEACHING EXPERIENCE

Assistant Professor, Boğaziçi University   *2013-present*

Executive MBA Core: Digital Strategy (2020-present)
Executive MBA Core: Business Case Writing Methods (2013-present)
Executive MBA Core: Managerial Economics (2013-16)
Executive MBA Elective: Managerial Decision Modeling (2013-present)
Executive MBA Elective: Data Science for Business (2016-present)
Undergraduate Core: Management Science (2013-present)
Undergraduate Core: Operations Management (2017)
Undergraduate Elective: Data Science for Business (2016-present)
Undergraduate Elective: Digital Transformation (2020-present)
PhD Seminars: Research Seminar Series (2014-present)
MA Elective: Data Science for Managerial Decisions (2022)
MA Seminars (2019-present)

Instructor, Sabancı University   *2017-present*

Master in Business Analytics for Professionals Core: Predictive Analytics (2020-present)
Master in Business Analytics Core: Predictive Analytics (2020)
Master in Business Analytics Elective: Prescriptive Analytics (2019)
Master in Business Analytics Core: Descriptive Analytics (2018)
Master in Finance Core: Decision Modeling in Excel (2017, 2018)
Executive MBA Elective: Managerial Decision Modeling (2017, 2019)
Executive MBA Course: Business Research and Statistics (2017)
Undergraduate Core: Introduction to Data Analysis and Research in Business (2018, 2019)

Instructor, Boğaziçi University Lifelong Learning Center Executive Education   *2016-present*

Certificate in Data Analytics for Management: Descriptive Analytics and Statistics (2021-present)
Certificate in Data Analytics for Management: Prescriptive Analytics (2021-present)
Certificate in Data Analytics for Management: Predictive Analytics (2021-present)
Certificate in Data Analytics for Management: Digital Strategy (2021-present)
2-day Workshops and Keynotes on Management in the Age of Artificial Intelligence and Big Data (2016-present)

Teaching Assistant, Kellogg School of Management   *2005-12*

MBA Elective: Managerial Decision Modeling (2010-12)
MBA Core: Operations Management (2005-12)

Lab Instructor, Northwestern University   *2008*

Undergrad Core: Discrete-Event Systems Simulation (2008)
Undergrad Core: Engineering Analysis and Computer Proficiency (2007)

HONORS & AWARDS

Harvard Business School Case Writing Workshop Participant	*2017*
Global Colloquium on Participant-Centered Learning at Harvard Business School Participant	*2016*
Excellence in Teaching Award, Faculty of Economics and Administrative Sciences, Boğaziçi University	*2015-16*
Outstanding Teaching Assistant of the Year, Department of IEMS, Northwestern University	*2008-09*
IIE/Rockwell Software Student Simulation Competition Finalist, IIE Annual Meeting	*2005*
Earle Graham Scholarship and Academic Excellence Award, Texas A&M University	*2002-04*
Merit Scholarship for college education (tuition, room, and board), Turkish Ministry of Education	*2001-05*
Ranked 49th among nearly 1.5 million students, Turkish University Entrance Examination	*2000*