Winter, Fall 2023

Deniz Şimşek

EDUCATION	Kellogg School of Management, Northwestern University Ph.D. in Operations Management	Evanston, IL, USA 2021 - 2026 (expected)	
	 Advisors: Achal Bassamboo and Ohad Perry Research Interests: Service operations, queueing theory, appl 	ied probability.	
	Department of Industrial Engineering, Bilkent University M.Sc. in Industrial Engineering • Advisor: M. Selim Aktürk	Ankara, Turkey 2019 - 2021	
	• Master's Thesis: Airline Scheduling to Minimize Operational Costs and Variability		
	B.Sc. in Industrial Engineering	2014 - 2029	
Journal Publications	Deniz Şimşek , M. Selim Aktürk. Resilient Airline Scheduling while Transportation Research Part C, 2022. https://doi.org/10.1016/j.t		
Working Papers	Deniz Şimşek , Chenguang (Allen) Wu, Achal Bassamboo, Ohad Perry. A Unified Fluid Model for Large Service Systems with Patience- or Delay-Dependent Service Times.		
	Deniz Şimşek , Achal Bassamboo, Ohad Perry. Design and Control owith Delay-Dependent Service Times.	of Large Service Systems	
Talks and Conferences	 Design and Control of Large Service Systems with Delay-Dep (Upcoming) INFORMS APS Conference, Atlanta, GA INFORMS MSOM Conference, London, UK Poster Presentation – Chicago Operations Workshop, USA 	endent Service Times July 2025 June 2025 June 2025	
	 A Unified Fluid Model for Large Service Systems with Dependent Service Times (Upcoming) INFORMS APS Conference, Atlanta, GA (Upcoming) Purdue SCOM Conference, West Lafayette, IN 35th Annual POMS Conference, Atlanta, USA INFORMS Annual Meeting, Seattle, USA Poster Presentation – Chicago Operations Workshop, Chicago 	July 2025 August 2025 May 2025 October 2024	
	• INFORMS Annual Meeting, Phoenix, USA	October 2023	
	 Resilient Airline Scheduling while Minimizing Delay Risks INFORMS Annual Meeting, Indianapolis, USA YAEM (Turkish OR/IE Society) Annual Meeting, İstanbul, 	October 2022 Turkey July 2021	
TEACHING	Kellogg School of Management, Northwestern University Teaching Assistant in Operations Management MBA Core Courses	Evanston, IL, USA	
	• Operations Management	Spring, Summer 2023	
	MBA Elective Courses		
	• Supply Chain Management	Spring 2025	
	• Data Science with Large Language Models	Fall 2024	
	• Applied Advanced Analytics	Spring 2024	
	• Humanitarian and Non-Profit Operations	Winter 2023, 2024	
	Designer Models and Droseninting Analytics	W:4 E-11 0000	

• Decision Models and Prescriptive Analytics

PhD Core Courses	
• Stochastic Foundations II	Spring 2024, 2025
Bilkent University	Ankara, Turkey
Graduate Teaching Assistant in Industrial Engineering	
• Operations Scheduling, undergraduate elective	Fall 2019, 2020
• Production Information Systems, undergraduate core	Spring 2020
Undergraduate Teaching Assistant in Industrial Engineering	C : 2010
Production Information Systems, undergraduate core	Spring 2019
• Simulation, undergraduate core	Fall 2018
Undergraduate Teaching Assistant in Computer Science • Introduction to Programming, undergraduate core	Spring, Fall 2017
	- 0.
• Introduction to Computing for Engineers, undergraduate core	Fall 2016
• Fellowship of Kellogg School of Management for PhD Program	2021 - Present
• Finalist, INFORMS AAS Student Presentation Competition	2022
 National MSc/MA Scholarship, The Scientific and Technologica Turkey 	l Research Council of 2019 - 2021
High Honor in Industrial Engineering, Bilkent University	2016 - 2021
ment in independent Engineering, Enneme em vereit,	-010 -0-1
• B.Sc. and M.Sc. Full Tuition Support and Scholarship, Bilkent U	University 2014 - 2021
 IBM Turkey Istanbul, Turkey Operations intern in the Client Center department. 	Summer 2018
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Additional Information

Honors and Awards

Industry Experience

SERVICE

Languages: Turkish (native), English (working proficiency).

Programming: R, C, MATLAB, Java, Python.