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, applied 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 <i>Transportation Research Part C</i> , 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 with Delay-Dependent Service Times.	of Large Service Systems	
Talks and Conferences	 Design and Control of Large Service Systems with Delay-Dep 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) Purdue SCOM Conference, West Lafayette, IN INFORMS APS Conference, Atlanta, GA 		
	• 35 th Annual POMS Conference, Atlanta, USA	May 2025	
	• INFORMS Annual Meeting, Seattle, USA	October 2024	
	• Poster Presentation – Chicago Operations Workshop, Chicago	go, USA June 2024	
	• INFORMS Annual Meeting, Phoenix, USA	October 2023	
	Resilient Airline Scheduling while Minimizing Delay Risks	0 . 1	
	 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	
	Designan Medala and Dragoninting Analytics	W:+ 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 _011
• 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.