

Süleyman Kerimov

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Employment

Jones Graduate School of Business, Rice University
Assistant Professor of Operations Management, 2022 -

Education

Ph.D. in Operations Research, Stanford University, 2016 - 2022
B.S. in Mathematics, Bilkent University, 2012 - 2016

Research Interests

Market design, matching theory, applied probability

Papers

4. Dynamic Matching with Priorities, working paper.
3. The Power of Two in Token Systems, with Itai Ashlagi and Omer Tamuz, submitted.
 - ◇ Recipient of the best paper award in the 7th International Workshop on Matching Under Preferences (MATCH-UP 2024).
 - ◇ An earlier version appeared as an extended abstract in the 15th Conference on Web and Internet Economics (WINE 2019).
2. On the Optimality of Greedy Policies in Dynamic Matching, with Itai Ashlagi and Itai Gurvich, **Operations Research** (2023).
 - ◇ Extended abstract appeared in the 23rd ACM Conference on Economics and Computation (EC 2022) and the 7th International Workshop on Matching Under Preferences (MATCH-UP 2024).
1. Dynamic Matching: Characterizing and Achieving Constant Regret, with Itai Ashlagi and Itai Gurvich, **Management Science** (2023), 70(5):2799-2822.

Teaching

Instructor

Rice University

BUSI 374: Operations Management, Spring 2023, Spring 2024, Spring 2025

BUSI 731: Foundations of Operations Management, Spring 2023, Spring 2024

Teaching Assistant

Stanford University

MS&E 220: Probabilistic Analysis, Summer 2019

MS&E 232: Introduction to Game Theory and Market Design, Winter 2019

MS&E 260: Introduction to Operations Management, Autumn 2017, Autumn 2018, Winter 2020

Bilkent University

MATH 102: Calculus II, Spring 2015, Spring 2016

MATH 132: Discrete and Combinatorial Mathematics, Summer 2015

MATH 225: Linear Algebra and Differential Equations, Summer 2014

Honors and Awards

Best Paper Award, MATCH-UP, 2024

Jerome Kaseberg Doolan Fellowship, 2020

Nakagawa Special Steel-Mitani Fellowship, 2019

Stanford MS&E Fellowship, 2016-2018

Orhan Alisbah Fellowship, 2015

Students

Dasha Dziadzinets (undergraduate)

Bayzhan Mukatay (undergraduate), co-advised with Sebastian Perez-Salazar

Yihua Xu (PhD student at Rice CMOR), dissertation committee member

Invited Talks

2024 INFORMS Annual Meeting, Seattle, WA, USA, October 2024

7th International Workshop on Matching Under Preferences (MATCH-UP 2024), University of Oxford, September 2024

2024 INFORMS Manufacturing and Service Operations Management Conference, Minneapolis, MN, USA, July 2024

2024 POMS International Conference, Istanbul, Türkiye, June 2024

Ninth Marketplace Innovation Workshop, May 2024

From Matching to Markets: A Tale of Mathematics, Economics and Computer Science, Marseille, France, December 2023

2023 INFORMS Annual Meeting, Phoenix, AZ, USA, October 2023

POMS Ph.D. Job Search Workshop Series, October 2023

Center for Social Information Sciences Seminar (CSIS), Caltech, September 2023

21st INFORMS Applied Probability Society Conference, Nancy, France, June 2023

Market Design for Kidneys and Beyond, Paris School of Economics, June 2023

2022 INFORMS Annual Meeting, Indianapolis, IN, USA, October 2022

CMOR Colloquium Series, Rice University, September 2022

The 23rd ACM Conference on Economics and Computation (EC 2022), July 2022

Instacart, March 2022

Lyft Rideshare Labs, February 2022

2021 INFORMS Annual Meeting, Anaheim, CA, USA, October 2021

EC 2021 Workshop on Design of Online Platforms, July 2021

2020 INFORMS Annual Meeting, November 2020

The 15th Conference on Web and Internet Economics (WINE 2019), Columbia University, December 2019

2019 INFORMS Annual Meeting, Seattle, WA, USA, October 2019

Research on Algorithms and Incentives in Networks Seminar (RAIN), Stanford University, October 2019

The 19th Trans-Atlantic Doctoral Conference (TADC 2019), London Business School, May 2019

Department of Industrial Engineering Seminar, Bilkent University, December 2018

Outreach and Academic Service

Ad Hoc Reviewer: Latin American Journal of Probability and Mathematical Statistics, WINE 2020, EC 2022, Operations Research, Mathematics of Operations Research, Manufacturing and Service Operations Management, Management Science

Program Committee: EC 2024

POMS International Best Paper Competition Judge, 2024

Applied Probability Society Student Paper Competition Committee Member, 2022-2023

Vice President, Stanford Turkish Student Association, 2021-2022

Mentor, Stanford MS&E Undergraduate Diversity in Research Program, 2021-2022