

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 markets, online platforms, applied probability

Papers

5. Availability Is All You Need: Achieving Optimal Regret with Minimal Information for Dynamic Matching, with Pengyu Qian, Mingwei Yang, and Sophie H. Yu, submitted.
4. Online Selection with Uncertain Disruption, with Yihua Xu and Sebastian Perez-Salazar. Minor Revision at **Operations Research**.
 - ◇ Extended abstract appeared in the 21st Conference on Web and Internet Economics (WINE 2025).
 - ◇ Accepted for presentation at 2025 Marketplace Innovation Workshop (MIW).
3. The Power of Two in Token Systems, with Itai Ashlagi, Omer Tamuz, and Geng Zhao. **Management Science** (2026), forthcoming.
 - ◇ Recipient of the best paper award in the 7th International Workshop on Matching Under Preferences (MATCH-UP 2024).
 - ◇ Accepted for presentation at 2024 Marketplace Innovation Workshop (MIW).
 - ◇ An earlier version titled “Scrip Systems with Minimal Availability” 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** (2025), 73(1):560-582.
 - ◇ Accepted for presentation at the 7th International Workshop on Matching Under Preferences (MATCH-UP 2024).
 - ◇ Extended abstract appeared in the 23rd ACM Conference on Economics and Computation (EC 2022).

1. Dynamic Matching: Characterizing and Achieving Constant Regret, with Itai Ashlagi and Itai Gurvich, **Management Science** (2024), 70(5):2799-2822.

Teaching

Instructor

Rice University

BUSI 374: Operations Management (UG), Spring 2023, Spring 2024, Spring 2025, Spring 2026

BUSI 573: Stochastic Models in Operations Management (PhD), Spring 2026

BUSI 731: Foundations of Operations Management (MS), 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

Awards

Operations Research Meritorious Service Award, 2025

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

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

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

Boris Shapoval (MS student at Rice CMOR), dissertation committee member

Invited Talks

2025

The 21st Conference on Web and Internet Economics (WINE 2025), Rutgers University, December 2025
2025 INFORMS Annual Meeting, Atlanta, GA, USA, October 2025
2025 INFORMS Applied Probability Society Conference, Atlanta, GA, USA, July 2025
Department of Economics, Bilkent University, May 2025

2024

Questrom School of Business, Boston University, December 2024
PROS Holdings, Inc., Houston, TX, USA, November 2024
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

2023

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

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
Questrom School of Business, Boston University, Boston, MA, February 2022
Olin Business School, Washington University in St. Louis, St. Louis, MO, January 2022
Jones Graduate School of Business, Rice University, January 2022
Department of Industrial Engineering, Bilkent University, December 2021
The Chinese University of Hong Kong (CUHK) Business School, December 2021
Department of Industrial Engineering, Koç University, December 2021

2021

2021 INFORMS Annual Meeting, Anaheim, CA, USA, October 2021
EC 2021 Workshop on Design of Online Platforms, July 2021

2020

2020 INFORMS Annual Meeting, November 2020

2019

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

2018

Department of Industrial Engineering, Bilkent University, December 2018

Outreach and Academic Service

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, Stochastic Systems
Program Committee: EC 2024, EC 2025, WWW2026
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