

# 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. Achieving Constant Regret for Dynamic Matching via State-Independent Policies, with Pengyu Qian, Mingwei Yang, and Sophie H. Yu, working paper.
4. Online Selection with Uncertain Disruption, with Sebastian Perez-Salazar and Yihua Xu. Major Revision at **Operations Research**.
  - ◇ To appear as an extended abstract 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**, 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

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*

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