

# EBRU KASIKARALAR

Address: 5807 S. Woodlawn Avenue, Chicago, IL, 60637

Email: [ebрукasikaralar@chicagobooth.edu](mailto:ebрукasikaralar@chicagobooth.edu)

LinkedIn: <https://www.linkedin.com/in/ebru-kasikaralar>

## EDUCATION

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**The University of Chicago Booth School of Business**

*MBA & Ph.D. in Operations Management*

*Minor in Economics*

Advisor: Baris Ata

Chicago, IL

2019 - Present

**University of California, Berkeley**

*B.S. in Industrial Engineering and Operations Research (Honors)*

*Certificate in Technology Entrepreneurship*

Berkeley, CA

2015 - 2019

## RESEARCH INTERESTS

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Applied probability and simulation, computational methods for solving high-dimensional stochastic control problems, queueing theory, neural networks

## PUBLICATIONS AND PAPERS UNDER REVIEW

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- **Dynamic Scheduling of a Multiclass Queue in the Halfin-Whitt Regime: A Computational Approach for High-Dimensional Problems.**  
Baris Ata, Ebru Kasikaralar  
Major revision at *Management Science*
- **Exploring Cost and Environmental Implications of Optimal Technology Management Strategies in the Street Lighting Industry**  
Rachel Dzombak, Ebru Kasikaralar, and Heather E. Dillon  
*Resources, Conservation & Recycling: X* 6 (2020): 100022.

## WORKING PAPERS

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- **Dynamic scheduling of a parallel-server system in the Halfin-Whitt Regime: A Computational Approach for High-Dimensional Problems.**  
Baris Ata, Ebru Kasikaralar
- **Quality Learning in a Dynamic Mutual Data Exchange Model**  
John R. Birge, Ebru Kasikaralar

## TALKS & PRESENTATIONS

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- Dynamic Scheduling of a Multiclass Queue in the Halfin-Whitt Regime: A Computational Approach for High-Dimensional Problems
  - 2023 INFORMS Annual Meeting, Phoenix, AZ.
  - ChicagoBooth Operations Day 2023, Chicago, IL.
  - Stanford MS&E Rising Stars 2024, Stanford, CA.
  - Stochastic Networks 2024, Stockholm, Sweden.
- Quality Learning in a Dynamic Mutual Data Exchange Model

- 2022 INFORMS Annual Meeting, Indianapolis, IN.
- 2021 INFORMS Annual Meeting, Anaheim, CA.

## TEACHING EXPERIENCE

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**The University of Chicago Booth School of Business**, Teaching Assistant

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| Operations Management (Executive MBA)<br><i>London, Singapore, Hong Kong</i> | <i>Winter 2022, Winter 2023, Winter 2024</i> |
| Managerial Decision Modeling (Executive MBA)<br><i>Chicago</i>               | <i>Summer 2021</i>                           |
| Managerial Decision Modeling (Undergraduate)                                 | <i>Spring 2021, Spring 2022</i>              |

## HONORS AND AWARDS

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- J. Michael Harrison Doctoral Prize, Booth School of Business *2024*  
*Doctoral student enrolled at Chicago Booth whose research is judged to make the most impactful contribution to theory*
- Outstanding Teaching Assistant Award, Booth School of Business *2023*  
*Best TA nominated by the cohorts of Executive MBA Program in London and Singapore*
- Ph.D. Fellowship, Booth School of Business *2019-2025*
- Honors in Industrial Engineering and Operations Research, UC Berkeley *2019*
- URAP Summer Research Fellowship, Haas School of Business *2018*

## WORK EXPERIENCE

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- **United States Postal Service** Oakland, CA  
*Operations Research Consultant* *2019*  
Optimized the package sorting process at the Oakland USPS regional distribution center by implementing a matching model with a mixed integer linear program, significantly reducing the steps required by the workforce.

## ADDITIONAL INFORMATION

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- **Programming skills:** Python, C++, Julia, MATLAB, R, AMPL.
- **Languages:** Turkish (native), English (proficient), German (intermediate), Spanish (beginner), Italian (beginner).