

## ACADEMIC EMPLOYMENT

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University of Chicago, Booth School of Business  
Postdoctoral Principal Researcher

Chicago, IL  
2021–Current

## EDUCATION

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Georgia Institute of Technology

Atlanta, GA

Ph.D. in Operations Research

2021

M.S. in Statistics

2020

B.S. in Industrial and System Engineering

2015

B.S. in Discrete Mathematics

2015

## RESEARCH INTERESTS

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Data-driven decision making, Operational issues in the public sector, Simulation optimization

## PUBLICATIONS

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1. “Finding Feasible Systems for Subjective Constraints Using Recycled Observations.” with S. Andradóttir, S.-H. Kim, and C. Park. *INFORMS Journal on Computing*, **34** (6): 3080-3095, 2022.
2. “A Queueing Model of Dynamic Pricing and Dispatch Control for Ride-Hailing Systems Incorporating Travel Times.” with A. Alwan and B. Ata. *Queueing Systems*. Accepted.
3. “Identifying the Best System in the Presense of Stochastic Constraints with Varying Thresholds.” with S. Andradóttir and S.-H. Kim, *Proceedings of the 2020 Winter Simulation Conference*, 2812-2020.

## PAPERS UNDER REVIEW/REVISION

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1. “Selection of the Best in the Presence of Subjective Stochastic Constraints.” with S. Andradóttir and S.-H. Kim. *Under major revision at ACM Transactions on Modeling and Computer Simulation*.
2. “Analyzing the Effects of Judicial Rotation on Criminal Sentencing: An Operations Management Perspective.” with B. Ata, R. Hester, and LW. Wein. *Under review at Manufacturing and Service Operations Management*.
3. “An Analysis of Pretrial Detention and its Unintended Consequences.” with B. Ata and C. Hannigan. *Under revision for Manufacturing and Service Operations Management*.
4. “Pruning Inferior Systems Using Subjective Constraints with Sequentially Added Thresholds.” with S. Andradóttir, S.-H. Kim, and C. Park. *Under review at Sequential Analysis*.

## WORKING PAPERS

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1. “Analysis And Improvement of Eviction Enforcement.” with B. Ata. **Job market paper**.
2. “Finding a Portfolio of Best Systems for Subjective Constraints.” with S. Andradóttir and S.-H. Kim.
3. “Feasibility Determination for Subjective Probability Constraints.” with T. Kim and S.-H. Kim.

## CURRENT PROJECTS

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1. Expiring warrants, with B. Ata.

## PROFESSIONAL SERVICE

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- Reviewer for *Operations Research*, *Sequential Analysis*

## TEACHING EXPERIENCE

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### Georgia Institute of Technology

Head Teaching Assistant

*ISYE 6420: Bayesian Statistics*

Spring 2019 – Spring 2021

Teaching Assistant

*ISYE 6225: Engineering Economy*

Fall 2018

*ISYE 4232: Advanced Stochastic System*

Spring 2018

*ISYE 6334: Operations Research for Supply Chains*

Fall 2017

*ISYE 3044: Simulation Analysis and Design*

Summer 2017

## TALKS

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1. *Feasibility Determination with Recycled Observations* at the 2018 INFORMS Annual Meeting, Phoenix, AZ.
2. *Selection Problem with Varying Constraint Thresholds* at the 2020 Winter Simulation Conference, online.
3. *Finding a Portfolio of Best Systems for Subjective Constraints* at the 2022 INFORMS Annual Meeting, Indianapolis, IN.
4. *Analysis and Improvement for Eviction Enforcement* at the 2023 INFORMS Annual Meeting, Phoenix, AZ.

## SKILLS

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- **Programming Languages:** C++, Python, R, Matlab
- **Languages:** Chinese (native), English (fluent)

## REFERENCES

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### Baris Ata

University of Chicago  
Booth School of Business  
Baris.Ata@chicagobooth.edu

### Lawrence M. Wein

Stanford University  
Graduate School of Business  
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### Sigrún Andradóttir

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### Seong-Hee Kim

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### Roshan Joseph

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