

ACADEMIC EMPLOYMENT

Indiana University, Kelley School of Business	Bloomington, IN
Assistant Professor of Operations and Decision Technologies	2024–Present
University of Chicago, Booth School of Business	Chicago, IL
Postdoctoral Principal Researcher	2021–2024

EDUCATION

Georgia Institute of Technology	Atlanta, GA
Ph.D. in Operations Research	2021
M.S. in Statistics	2020
B.S. in Industrial and Systems Engineering	2015
B.S. in Discrete Mathematics	2015

RESEARCH INTERESTS

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

PUBLICATIONS

Journal Publications

1. Y. Zhou, S. Andradóttir, and S.-H. Kim. (2024). “Selection of the Best in the Presence of Subjective Stochastic Constraints,” *ACM Transactions on Modeling and Computer Simulation*, **34**(4), Article No. 22.
2. Y. Zhou, S. Andradóttir, S.-H. Kim, and C. Park. (2024). “Pruning Inferior Systems Using Subjective Constraints with Sequentially Added Thresholds,” *Sequential Analysis*, **43**(2), 248–274.
3. A. Alwan, B. Ata, and Y. Zhou. (2024). “A Queueing Model of Dynamic Pricing and Dispatch Control for Ride-Hailing Systems Incorporating Travel Times,” *Queueing Systems*, **106**, 1–66.
4. Y. Zhou, S. Andradóttir, S.-H. Kim, and C. Park. (2022). “Finding Feasible Systems for Subjective Constraints Using Recycled Observations,” *INFORMS Journal on Computing*, **34**(6), 3080–3095.

Conference Proceedings

1. Y. Zhou, S. Andradóttir, and S.-H. Kim. (2020). “Identifying the Best System in the Presence of Stochastic Constraints with Varying Thresholds,” *2020 Winter Simulation Conference (WSC)*, Orlando, FL, USA, pp. 2812–2820.
2. T. Kim, S. Andradóttir, S.-H. Kim, and Y. Zhou (2024). “Finding Feasible Systems in the Presence of a Probability Constraint,” accepted at *2024 Winter Simulation Conference (WSC)*, Orlando, FL, USA, pp. 3415–3422.
3. C. Park, S. Andradóttir, S.-H. Kim, and Y. Zhou (2024). “Finding Feasible Systems for a Stochastic Constraint with Relaxed Tolerance Levels,” accepted at *2024 Winter Simulation Conference (WSC)*, Orlando, FL, USA, pp. 467–476.

UNDER REVIEW

1. B. Ata and Y. Zhou. (2024) “Analysis and Improvement of Eviction Enforcement.”
2. B. Ata, C. Hannigan, and Y. Zhou. (2023) “An Analysis of Pretrial Detention and its Unintended Consequences.”
3. B. Ata, J. Friedewald, Y. Hu, C. Randa, and Y. Zhou. (2024) “Structural Estimation of Kidney Transplant Candidates’ Quality of Life Scores: Improving National Kidney Allocation Policy Under Endogenous Patient Choice and Geographical Sharing.”
4. B. Ata, R. Hester, LW. Wein, and Y. Zhou. (2024) “Analyzing the Effects of Judicial Rotation on Criminal Sentencing: An Operations Management Perspective.”

WORKING PAPERS

1. “Finding a Portfolio of Best Systems for Subjective Constraints,” with S. Andradóttir and S.-H. Kim.
2. “Feasibility Determination for Subjective Probability Constraints,” with T. Kim, S. Andradóttir, and S.-H. Kim.
3. “Finding Feasible Combinations of Army Aviation Assets in the Presence of Subjective Constraints on Mean and Probability,” with T. Kim, S. Andradóttir, and S.-H. Kim.
4. “Indifference-Zone Relaxation Procedure for Ranking and Selection,” with S. Andradóttir, S.-H. Kim, and C. Park.
5. “An Analytical Framework for Assessing the Impact of Policy Changes to the Kidney Allocation System in the US Under Endogenous Patient Choice,” with B. Ata, J. Friedewald, Y. Hu, and C. Randa.

WORKING PROJECTS

1. “Balancing Cost and Food Waste: Socially Responsible Inventory Management in Omnichannel Supermarkets,” with S. Naeem and R. Parker.
2. “Expiring Warrants,” with B. Ata.

PROFESSIONAL SERVICE

Journal reviewer for *Operations Research*, *INFORMS Journal on Computing*, *Sequential Analysis*.

Conference reviewer for *Winter Simulation Conference 2024*, *2025*.

Session chair for *Winter Simulation Conference 2024*.

Co-track chair for *Winter Simulation Conference 2025*.

TEACHING EXPERIENCE

Indiana University

Instructor

P429: Operations Processes

Spring 2025

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

“Finding Feasible Systems for a Stochastic Constraint with Relaxed Tolerance Levels”

– INFORMS Applied Probability Society Conference, Atlanta, GA, 2025 (scheduled)

“Improving National Kidney Allocation Policy Under Endogenous Patient Choice and Geographical Sharing”

– POMS Annual Conference, Atlanta, GA, 2025 (scheduled)

“Finding Feasible Systems in the Presence of a Probability Constraint”

– Winter Simulation Conference, Orlando, FL, 2024

“Analyzing the Effects of Judicial Rotation on Criminal Sentencing: An Operations Management Perspective”

– INFORMS Annual Meeting, Seattle, WA, 2024

“Analysis and Improvement for Eviction Enforcement”

– MSOM Conference, Minneapolis, MN, 2024

– INFORMS Annual Meeting, Phoenix, AZ, 2023

“Finding a Portfolio of Best Systems for Subjective Constraints”

– INFORMS Annual Meeting, Indianapolis, IN, 2022

“Selection Problem with Varying Constraint Thresholds”

– Winter Simulation Conference, Orlando, FL, virtual, 2020

“Feasibility Determination with Recycled Observations”

– INFORMS Annual Meeting, Phoenix, AZ, 2018

SKILLS

Programming Languages: C++, Python, R, Matlab

Languages: Chinese (native), English (fluent)