
Justin Mulvany

CONTACT INFORMATION Data Sciences and Operations Department, Email: justin.mulvany@marshall.usc.edu
Marshall School of Business, Web: sites.google.com/usc.edu/jmulvany
University of Southern California
3670 Trousdale Pkwy
Los Angeles, CA 90089

EDUCATION **University of Southern California**, Los Angeles, CA *2018 - 2023*
PhD, Department of Data Sciences and Operations
Advisors: Kimon Drakopoulos, Ramandeep Randhawa

California State University San Marcos, San Marcos, CA *2016 - 2018*
M.S., Department of Mathematics
Thesis: A Relative Entropy Approach to Study Critical Fluid Model Solutions for Multiclass Processor Sharing Queues
Advisors: Amber Puha

California State University San Marcos, San Marcos, CA *2011 - 2016*
B.S., Department of Mathematics
Honors: Summa Cum Laude

RESEARCH INTERESTS Service management, scheduling, fairness in operations, queueing theory, stochastic modeling, applied probability, revenue management, game theory, mechanism design, information design

PAPERS

Journal Publications

1. J. Mulvany, A.L. Puha and R.J. Williams. "Asymptotic Behavior of a Critical Fluid Model for a Multiclass Processor Sharing Queue via Relative Entropy." *Queueing Systems*, 93: 351–397, 2019.

Work in Progress

2. J. Mulvany and R.S. Randhawa. "Fair Scheduling of Heterogeneous Customer Populations." *Working*.
3. K. Drakopoulos, I. Lo, and J. Mulvany. "Persuasion Without Commitment." *Working*.

TALKS & CONFERENCES

1. "Fair Scheduling of Heterogeneous Customer Populations." INFORMS 2021.
2. "Fair Scheduling of Heterogeneous Customer Populations." MSOM 2021
3. "Fair Scheduling of Heterogeneous Customer Populations." POMS 2021
4. "Fair Priority Queues." INFORMS 2020
5. "Asymptotic Behavior of a Critical Fluid Model for a Multiclass Processor Sharing Queue via Relative Entropy." AMS Fall Western Sectional Meeting 2019.

AWARDS & HONORS

1. Marshall Fellowship Recipient. Fall 2018 - Spring 2020.
2. CSUSM Graduate Dean's Award Recipient. 2018.

TEACHING

USC Marshall School of Business

Los Angeles, CA

- *Instructor* Fall 2021
Course: BUAD 311 Operations Management
- *Teaching Assistant* Spring 2021
Course: BUAD 311 Operations Management

California State University San Marcos

San Marcos, CA

- *Instructor* Spring 2018
Course: MATH 100 Mathematical Ideas
- *Instructor* Fall 2016, 2017, Spring 2017
Course: MATH 20/30 Beginning/Intermediate Algebra

SERVICE

Reviewer

SIAM Journal on Control and Optimization (SICON), Sankhya: The Indian Journal of Statistics

Last updated on February 9, 2022