Wei You

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Academic Appointment

Hong Kong University of Science and Technology

Assistant Professor (2019-present), Industrial Engineering and Decision Analytics

Education

Columbia University

Ph.D. in Operations Research (2019)

Thesis: A Robust Queueing Network Analyzer Based on Indices of Dispersion

Committee: Ward Whitt (Advisor), Henry Lam, Martin Reiman, David Yao, Assaf Zeevi

Nanjing University

M.Sc in Mathematics (2014)

Research Interests

Stochastic models, queueing theory, applied probability, and their applications to the performance analysis and design of service systems.

Publications & Preprints

Preprints

1. A Robust Queueing Network Analyzer Based on Indices of Dispersion,
   W. Whitt and W. You, working paper, 2019.

2. Heavy-Traffic Limits for Stationary Network Flows,
   W. Whitt and W. You, submitted, 2019.

Published

1. The Advantage of Indices of Dispersion in Queueing Approximations,
   W. Whitt and W. You, *Operations Research Letters*, Volume 47, Issue 2, March 2019, Pages 99-104.

2. Time-Varying Robust Queueing,
   W. Whitt and W. You, *Operations Research*, forthcoming, 2018.

3. Heavy-Traffic Limit of the GI/GI/1 Stationary Departure Process and its Variance Function,
   W. Whitt and W. You, *Stochastic Systems*, Vol. 8, No. 2, 2018, pp. 143-165.

4. Using Robust Queueing to Expose the Impact of Dependence in Single-Server Queues,
   W. Whitt and W. You, *Operations Research*, Vol. 66, No. 1, 2018, pp. 184-199.

Teaching Experience

Hong Kong University of Science and Technology   Instructor

Engineering Statistics (2019)

Columbia University   Teaching Assistant

Applied Statistical Models (2017), Simulation (2015, 2017), Stochastic Models (2014)

Conference Presentations & Invited Talks

Conferences

"Heavy-Traffic Limit for Stationary Network Flows"
INFORMS APS Meeting 2019, Brisbane, Australia

"Time-Varying Robust Queueing for Quantile Approxiamtion"
INFORMS APS Meeting 2019, Brisbane, Australia

"A Robust Queueing Network Analyzer Based on Indices of Dispersion"
INFORMS Annual Meeting 2018, Phoenix, AZ

"A Robust Queueing Network Analyzer for a Series of Single-server Queues"
INFORMS Annual Meeting 2017, Houston, TX

"Time-Varying Robust Queueing"
INFORMS APS Meeting 2017, Kellogg School of Management, Evanston, IL

"Using Robust Queueing To Expose The Impact of Dependence In Single Server Queues"
INFORMS Annual Meeting 2016, Nashville, TN

Published

Industrial Engineering and Decision Analytics, HKUST, 2019

Industrial and System Engineering, Virginia Tech, 2019

System and Industrial Engineering, University of Arizona, 2019

Business School, University of Miami, 2019

School of Management, University of Science and Technology of China, 2019

Institute for Data and Decision Analytics, Chinese University of Hong Kong, Shen Zhen, 2019

System Engineering and Engineering Management, Chinese University of Hong Kong, 2019

School of Management and Engineering, Nanjing University, 2017

Academic Service

Reviewer: Queueing Systems, Performance Evaluation

Session Chair: INFORMS APS Meeting 2017

Honors & Awards

Fu Foundation Presidential Distinguished Fellowship	2014-2018
Outstanding Award for National Undergraduate Innovation Program	2013
China National Scholarship	2011