YANG BO

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EMPLOYMENT

The Chinese University of Hong Kong, Hong Kong   2017 – Present
Assistant Professor, Department of Decisions, Operations and Technology

EDUCATION

The University of Texas at Dallas, Richardson, TX, USA   2017
Doctor of Philosophy, Operations Management, Naveen Jindal School of Management

Tsinghua University, Beijing, China   2012
Bachelor of Science, Thermal Engineering

EXPERTISE AND INTERESTS

Applications

On-Demand Platforms, Vehicle Routing, Autonomous Driving, Dynamic Matching, Information Design, Scrip Systems, Service Operations, Supply Chain Management

Methodologies

Causal Inference, Bayesian Learning, Reinforcement Learning, Dynamic Programming, Stochastic Optimal Control, Applied Probability, Euclidean Combinatorial Optimization

RESEARCH

- Yang Bo, Milind Dawande, Ganesh Janakiraman, "*Food-Delivery Platforms: A Near-Optimal Policy for Capacity Sizing, Order Batching, and Spatial Routing,*" Under 2nd-round review in **Operations Research** after Major Revision.

- Yang Bo, Guangwen Kong, "*Ride-Hailing Platforms: A Near-Optimal Policy for Pricing, Matching, and Spatial Routing,*" Manuscript in Preparation.

- Yang Bo, Ganesh Janakiraman, Shouqiang Wang, "*On an Open Question of Küçükgül, Özer, and Wang (2022),*" Working paper.

- Milind Dawande, Tim Huh, Ganesh Janakiraman, Mahesh Nagarajan, Yang Bo, "*Case Article – The SafeBirth Clinic,*" **INFORMS Transactions on Education** 21(3):145-147. 2021.

- Yang Bo, Milind Dawande, Tim Huh, Ganesh Janakiraman, Mahesh Nagarajan, "*Determining Process Capacity: Intractability and Efficient Special Cases,*" **Manufacturing & Service Operations Management** 21(1):139-153. 2019.

- Yang Bo, Milind Dawande, Ganesh Janakiraman, "*Analysis of Scrip Systems: On an Open Question in Johnson et al. (2014),*" **Operations Research** 66(3):611-619. 2018.

- Yang Bo, Milind Dawande, Ganesh Janakiraman, S. Thomas McCormick, "*On Integral Policies in Deterministic and Stochastic Distribution Systems,*" **Operations Research** 65(3):703-711. 2017.

RESEARCH GRANTS

- ECS General Research Fund: "How to Identify the True Bottlenecks: On Process Capacity", 01/2019 – 12/2021, HK$363,372, PI.

Talks

Ride-Hailing Platforms: A Near-Optimal Policy for Pricing, Matching, and Spatial Routing	
(Scheduled) POMS 2025 Annual Meeting, Atlanta, GA	2025
Food-Delivery Platforms: A Near-Optimal Policy for Capacity Sizing, Order Batching, and Spatial Routing	
(Scheduled) POMS 2025 Annual Meeting, Atlanta, GA	2025
INFORMS 2024 Annual Meeting, Seattle, WA	2024
POMS 2024 Annual Meeting, Minneapolis, MN	2024
14th POMS-HK International Conference, CUHK, Hong Kong	2024
Shanghai University of Finance and Economics, China	2023
INFORMS 2023 Annual Meeting, Phoenix, AZ	2023
Determining Process Capacity: Intractability and Efficient Special Cases	
The Hong Kong Polytechnic University	2018
INFORMS 2017 Annual Meeting, Houston, TX	2017
Katz Graduate School of Business, University of Pittsburgh	2017
Erasmus University Rotterdam	2017
Lazaridis School School of Business and Economics, Wilfrid Laurier University	2017
Nanyang Business School, Nanyang Technological University	2017
The Chinese University of Hong Kong Business School	2016
INFORMS 2016 Annual Meeting, Nashville, TN	2016
Analysis of Scrip Systems: On an Open Question in Johnson et al. (2014)	
9th POMS-HK International Conference, CUHK, Hong Kong	2018
On Integral Policies in Deterministic and Stochastic Distribution Systems	
POMS 27th Annual Conference, Orlando, FL	2016
INFORMS 2015 Annual Meeting, Philadelphia	2015

Honors and Awards

- Third Place, INFORMS Case Competition, 2016
- Bronze Medal Award (Nationwide), Chinese Mathematical Olympiad (CMO), 2007
- First Prize (No.1 in Inner Mongolia Province), National High School Mathematics League, 2006
- Silver Medal Award, China Western Mathematics Olympiad, 2005

Teaching Experience

The Chinese University of Hong Kong

DOTE 6654BA – Business Process Analytics and Simulation (graduate selective)	F 20–22, W 23, 24
DOTE 4260 – Business Process Analytics (undergrad selective)	F 18–22, 23, 24, S 23
DOTE 2030 – Operations Management (undergrad core)	F 24
DOTE 2011 – Statistical Analysis for Business Decisions (undergrad core)	F 17–21, 23, Su 22

The University of Texas at Dallas

OPRE 3333 – Quantitative Business Analysis (undergrad core)	S 16

SERVICES

Professional Conferences

Session Chair at 14th POMS-HK International Conference, HKUST, Hong Kong	2024
POMS-HK International Conference Organizing Committee	2018, 20, 22, 23
Reviewer for POMS-HK International Conference	2018-20, 22
Session Chair at 9th POMS-HK International Conference, CUHK, Hong Kong	2018

Journal Referee

Management Science, Manufacturing & Service Operations Management, Operations Research, Naval Research Logistics, Production and Operations Management

The Chinese University of Hong Kong

OM Area Inter-departmental Workshop Coordinator	2019-21

SKILLS

Programming: Python, Matlab, Excel, LATEX

Language: Fluent in English and Chinese (Mandarin)