

## Yanzhe (Murray) Lei · 雷彦哲

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### CONTACT INFORMATION

465 Goodes Hall, 143 Union St W  
Stephen J.R. Smith School of Business  
Queen's University  
Kingston, ON, Canada K7L 3N6

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### EDUCATION

**University of Michigan, Ross School of Business** 2012 - 2018  
Ph.D. in Technology & Operations

**Tsinghua University** 2008 - 2012  
Bachelor of Engineering (with highest honor), Department of Automation

**Hong Kong University of Science and Technology (HKUST)** 2011  
Exchange Student for Spring Term

### PROFESSIONAL EXPERIENCE

**Queen's University, Stephen J.R. Smith School of Business**  
Assistant Professor 2018 - Present

### RESEARCH INTERESTS

**Applications:** Pricing and Revenue Management, Service Operations, Retail Operations, On-demand Platforms.

**Methodologies:** Stochastic Control, Dynamic Optimization, Online Learning and Optimization, Asymptotic Analysis.

### PUBLICATION

**Yanzhe (Murray) Lei**, Stefanus Jasin, Amitabh Sinha. Joint Dynamic Pricing and Order Fulfillment for E-commerce Retailers. *Manufacturing & Service Operations Management* 20(2), 2018: 269 - 284. [\[Link\]](#).

- 2017 POMS-HK Student Paper Competition, Second Place

**Yanzhe (Murray) Lei**, Stefanus Jasin. Real-time Dynamic Pricing for Revenue Management with Reusable Resources, Advance Reservations, and Deterministic Service Time Requirements. Accepted at *Operations Research*. [\[Link\]](#).

### WORKING PAPERS

**Yanzhe (Murray) Lei**, Stefanus Jasin, Jinyi Wang, Houtao Deng, Jagannath Putrevu. Dynamic Workforce Acquisition for Crowdsourced Delivery Platforms. Submitted. [\[Link\]](#).

**Yanzhe (Murray) Lei**, Stefanus Jasin, Joline Uichanco, Andrew Vakhutinsky. Joint Product Framing and Order Fulfillment for E-commerce Retailers. Submitted. [\[Link\]](#).

Qi (George) Chen, **Yanzhe (Murray) Lei**, Stefanus Jasin. Real-Time Spatial-Intertemporal Dynamic Pricing for Balancing Supply and Demand in a Network. Submitted. [\[Link\]](#).

**Yanzhe (Murray) Lei**, Sheng Liu, Stefanus Jasin, Andrew Vakhutinsky. Near-Optimal Joint Inventory and Pricing Controls for One-Warehouse Multi-Store Problems. Manuscript in preparation.

**Yanzhe (Murray) Lei**, Sean Zhou, Zhuolu Zhang. Dynamic Pricing under Trade-in Programs. Manuscript in preparation.

**Yanzhe (Murray) Lei**, Stefanus Jasin, Amitabh Sinha. Near-optimal Bisection Search for Nonparametric Dynamic Pricing with Inventory Constraint. In revision. [\[Link\]](#).

RESEARCH  
PRESENTATIONS

“Dynamic Pricing under Trade-in Programs.”

- INFORMS 2020

“Dynamic Workforce Acquisition for Crowdsourced Delivery Platforms.”

- POMS 2020, INFORMS 2019

“Real-time Spatial Dynamic Pricing for Balancing Taxi Supply and Demand.”

- POMS 2020, MSOM 2019

“Randomized Product Display, Pricing, and Order Fulfillment for E-commerce Retailers.”

- INFORMS 2018, 2019

“Real-time Dynamic Pricing for Revenue Management with Reusable Resources, Advance Reservations, and Deterministic Service Time Requirements.”

- POMS 2017, 2019, INFORMS 2017, 2018, INFORMS APS 2017, MSOM 2017

“Joint Dynamic Pricing and Order Fulfillment for E-commerce Retailers.”

- INFORMS 2017, 2016, POMS-HK 2017, MSOM 2016, INFORMS RMP 2016

“Near-Optimal Bisection Search for Nonparametric Dynamic Pricing with Inventory Constraint.”

- INFORMS 2014, MSOM 2014

TEACHING  
EXPERIENCE

**Queen’s University, Stephen J.R. Smith School of Business**

Introduction to Operations Management (COMM 341) 2019 - Present

**University of Michigan, Stephen M. Ross School of Business**

Operations Management (TO 313) 2015

GRANTS AND  
AWARDS

Monieson Centre Future of Business Grant, co PI (with PI Jue Wang), \$ 9,000 CAD 2018 - 2020

POMS-HK Student Paper Competition, Second Place 2017

W. Allen Spivey/Valerie and William Hall Family Fellowship, University of Michigan 2017

Rackham Early Candidacy Grant, University of Michigan 2015

Phi Kappa Phi, University of Michigan 2013 - 2014

Outstanding Graduate, Tsinghua University 2012

Dean's List, HKUST 2011  
First-class Scholarship, Tsinghua University 2009 - 2011

PROFESSIONAL  
SERVICE

Session chairs: INFORMS Annual Conference (2017, 2018, 2019, 2020), POMS Annual Conference (2020), CORS Annual Conference (2020)  
Ad-hoc journal reviewer: Management Science, Operations Research, Manufacturing & Service Operations Management, Production and Operations Management, Transportation Research Part B: Methodological, Naval Research Logistics, Operations Research Letter  
Ad-hoc grant reviewer: Mitacs accelerate grant  
Ad-hoc conference reviewer: 2020 MSOM Supply Chain Special Interest Group (SIG) Conference  
Competition reviewer: 2020 POMS College of Supply Chain Management's Best Student Paper Competition, 2020 INFORMS TIMES Best Working Paper Award Competition

SERVICE AT  
QUEEN'S

Conflict Analytics Lab (2020 - Present)  
Scotiabank Scholar at the Scotiabank Centre for Customer Analytics (2019 - Present)  
Graduate student research grant committee, Smith School of Business (2019 - Present)  
Graduate student fellowship committee, Queen's University (2020 - Present)

STUDENT  
SUPERVISION

Timothy Upson, Master of Science in Management, co-advised with Anton Ovchinnikov  
Kiarash Hassani, Master of Science in Management, second reader, dissertation title "Investment Behaviour Prediction in New Ventures"