

EDUCATION

University of Pittsburgh Ph.D. in Business Analytics and Operations	Pittsburgh, PA 2019–Current
KTH Royal Institute of Technology M.S. in Applied and Computational Mathematics	Stockholm, Sweden 2017–2019
Zhejiang University B.S. in Mathematics and Applied Mathematics	Hangzhou, China 2013–2017

RESEARCH INTERESTS

Methodologies: Optimization, mathematical analysis, game theory, integer programming.
Applications: Revenue management, pricing, sustainability, transportation.

PUBLICATIONS

1. Wenjie Xu*, Titing Cui*, and Minghua Chen. *Optimizing Two-Truck Platooning with Deadlines*. (*co-primary authors)
 - Accepted in **IEEE Transactions on Intelligent Transportation Systems**, 2022.

WORKING PAPERS

1. Titing Cui, Michael L. Hamilton. *Optimal Feature-Based Market Segmentation and Pricing*.
Major Revision in **Operations Research**. June 2023
 - Accepted in The 18th Conference on Web and Internet Economics (WINE), 2022.
 - Third Place, INFORMS Service Science Best Cluster Paper Award, 2022.
2. Titing Cui, Michael L. Hamilton. *Pricing Strategies for Online Dating Platforms*.
Major Revision in **Manufacturing & Service Operations Management**. June 2023
3. Titing Cui, Esther Gal-Or, Mike Gordon, Michael L. Hamilton, Jennifer Shang. *The Effects of Competition on Corporate Sustainability*.
Submitted. June 2023
 - Accepted in The 3rd ACM Conference on Equity and Access in Algorithms, Mechanisms, and Optimization (EAAMO), 2023.

WORK IN PROGRESS

1. Titing Cui, Michael L. Hamilton, Jia Su. *Rating Systems Design: Structure, Incentives, and Fees*. In progress.
2. Titing Cui, Jia Su, Thomas Lavastida. *From Stream to Pool: Demand-Learning Beyond i.i.d. Arrivals*. In progress.
3. Titing Cui, Michael L. Hamilton, Qiqi Hao. *Pricing for Two-sided Dating Platforms*. In progress.
4. Titing Cui, Prakash Mirchandani. *Constant Capacity Multicommodity Fixed-Charge Network Design*. In progress.

PRESENTATIONS

Note: ()symbol implies talk was given by a coauthor. The (C) implies the talk was given online.*

1. “Optimal Feature-Based Market Segmentation and Pricing”

- The 18th Conference on Web and Internet Economics, Troy, NY. Dec 2022
- INFORMS Annual Conference 2022, Indianapolis, In. (*) Oct 2022
- INFORMS Annual Conference 2021, Anaheim, CA. (*) Oct 2021
- RMP Section Conference 2021, Remote Conference. (C*) July 2021
- CORS Annual Conference 2021, Remote Conference. (C*) June 2021

2. “Pricing Strategies for Online Dating Platforms”

- INFORMS Annual Conference 2023, Phoenix, AZ. Oct 2023
- POMS Annual Conference 2023, Orlando, FL. May 2023
- INFORMS Annual Conference 2022, Indianapolis, In. Oct 2022
- University of Toronto, Rotman Young Scholar Seminar. (C*) July 2022
- RMP Section Conference 2022, Remote Conference. (C) July 2022
- MSOM Annual Conference 2022, Munich. (*) June 2022
- CORS Annual Conference 2022, Vancouver. June 2022

3. “The Effects of Competition on Corporate Sustainability”

- EAAMO Conference 2023, Boston, MA. (*) Nov 2023
- MSOM Annual Conference 2023, Montreal, CA. (*) June 2023
- POMS Annual Conference 2023, Orlando, FL. (*) May 2023

TEACHING

- **Instructor** at University of Pittsburgh
BQOM 2578 - Data Mining Fall 2022, 2023
- **Teaching Assistant** at University of Pittsburgh
BQOM 2535 - Healthcare Operations and Supply Chain Management Summer 2021, Spring 2022, 2023
BQOM 2401 - Statistical Analysis: Uncertainty Fall 2021
BQOM 2534 - Strategic Procurement and Sourcing Management Spring 2021

SCHOLARSHIPS AND AWARDS

- Third Place, INFORMS Service Science Best Cluster Paper Award 2022
- Sheth Fellowship 2022
- Rockwell Foundation Fellowship 2019
- KTH Scholarship 2017

PROFESSIONAL SERVICES

- Organization Committee 2022
YinzOR Student Conferences, Carnegie Mellon University.

SKILLS AND OTHERS

Programming Language: Python, R, Mathematica, Stata, Matlab, C, SQL, L^AT_EX

Language: Mandarin (native), English (fluent).

REFERENCES

Michael L. Hamilton

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