

EDUCATION

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|---|--------------------------------|
| 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

References are available upon request