

JINGWEN TANG

Assistant Professor, Department of Management, Miami Herbert Business School
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EDUCATION

University of Michigan, Ann Arbor, MI, USA	<i>August 2019 - May 2024</i>
Ph.D. in Industrial and Operations Engineering and Scientific Computing	<i>(GPA: 4.0/4.0)</i>
Advisor: Professor Cong Shi	
Tsinghua University, Beijing, China	<i>July 2015 - June 2019</i>
B.S. in Industrial Engineering	

RESEARCH INTEREST

Methodologies: Online Learning Algorithms, Machine Learning, Approximation Algorithms
Applications: Supply Chain Management, Revenue Management, Service Operations

JOURNAL PUBLICATIONS

1. “Online Learning for Dual Index Policies in Dual Sourcing Systems”,
Jingwen Tang, Boxiao (Beryl) Chen, Cong Shi, ***Manufacturing & Service Operations Management***, Vol. 26(2), 758-774, 2024.
Winner of University of Michigan IOE Richard C. Wilson Prize for Best Student Paper.
2. “Offline Feature-Based Pricing under Censored Demand: A Causal Inference Approach”,
Jingwen Tang, Zhengling Qi, Ethan (Xingyuan) Fang, Cong Shi, ***Manufacturing & Service Operations Management***, Vol. 27, No. 2, March–April 2025, pp. 535–553.

PAPERS UNDER REVIEW/WORKING PAPERS

1. “Multiproduct Inventory Systems with Upgrading: Replenishment, Allocation, and Online Learning”, Jingwen Tang, Izak Duenyas*, Cong Shi*, Nan Yang*¹.
2. “Online Learning for Joint Pricing and Remuneration in a Two-Sided Market”,
Jingwen Tang, Cong Shi, Izak Duenyas.
3. “Multiproduct Dynamic Pricing with Shrinking Choice Sets: Theory and Evidence from Autonomous On-Demand Delivery”,
Jingwen Tang, Shuai Hao, Yuqian Xu, Cong Shi.

CONFERENCE PRESENTATIONS

1. Online Learning for Dual Index Policies in Dual Sourcing Systems, *INFORMS 2022 (Indianapolis, IN)*.
2. Online Learning for Dual Index Policies in Dual Sourcing Systems, *Amazon Modeling and Optimization (MOP) Lunch and Learn Seminar*.
3. Offline Feature-Based Pricing under Censored Demand: A Causal Inference Approach, *2023 Purdue Operations Conference (West Lafayette, IN)*.
4. Offline Feature-Based Pricing under Censored Demand: A Causal Inference Approach, *INFORMS 2023 (Phoenix, AZ)*.
5. Fair Inventory Control, *POMS 2024 (Minneapolis, MN)*.

¹* Authors are listed in alphabetic order.

6. Multi-product Pricing under the Multinomial Logit model with Vanishing Choices, *POMS 2024 (Minneapolis, MN)*.
7. Online Learning for Dual Index Policies in Dual Sourcing Systems, *INFORMS 2024 (Seattle, WA)*.
8. Online Learning for Inventory Control with Fairness Constraints, *POMS 2025 (Atlanta, GA)*
9. Multiproduct Inventory Systems with Upgrading: Replenishment, Allocation, and Online Learning, *POMS 2025 (Atlanta, GA)*
10. Dynamic Pricing for Autonomous On-Demand Delivery Services with Capacity Constraints and Shrinking Choice Sets, *POMS 2025 (Atlanta, GA)*
11. Dynamic Pricing for Last-Mile AI Automation: A Data-Driven Approach with Temporally Shrinking Choice Sets, *2025 Purdue Operations Conference (West Lafayette, IN)*

INDUSTRY EXPERIENCE

Amazon	May 2023 - Aug 2023
Research Scientist Intern, MOP (Modeling and Optimization), Bellevue, WA, USA	
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HONORS AND AWARDS

<i>University of Michigan IOE Richard C. Wilson Prize for Best Student Paper</i>	2023
<i>Rackham Travel Grant by University of Michigan</i>	2022, 2023
<i>Graduate Fellowship by Industrial and Operations Engineering at University of Michigan</i>	2019
<i>Technology Innovation Award by Tsinghua University</i>	2018
<i>Meritorious Winner of 2018 MCM/ICM as team leader</i>	2018
<i>CSC Scholarships by China Scholarship Council</i>	2017
<i>Star Student of Winter Time Social Practice Program</i>	2016
<i>Guanghua Scholarships by Tsinghua University</i>	2016
<i>Academic Excellence Reward by Tsinghua University</i>	2016
<i>Social Practice Excellence Reward by Tsinghua University</i>	2016
<i>First Prize in the 30th National Mathematical Olympiad in Jiangsu Province</i>	2015
<i>First Prize in the 32nd Chinese Physics Olympiad in Jiangsu Province</i>	2015

TEACHING/MENTORING

Graduate Student Instructor, University of Michigan

- IOE 516: Stochastic Processes II Winter 2022 (4.8/5.0), 2023 (4.9/5.0)
 - Instructor: Prof. Cong Shi
 - Responsibilities: lecturing (when the professor is away), weekly office hours, homework grading
- IOE 541: Optimization Methods in Supply Chain Fall 2022 (4.8/5.0)
 - Instructor: Prof. Cong Shi
 - Responsibilities: lecturing (when the professor is away), weekly office hours, homework grading
- IOE 611/MATH 633: Nonlinear Programming Fall 2021 (4.6/5.0)
 - Instructor: Prof. Salar Fattahi
 - Responsibilities: weekly office hours, homework grading
 - Students' comments not collected.

- IOE 511/Math 562: Continuous Optimization Methods

Winter 2021 (4.5/5.0)

- Instructor: Prof. Albert S. Berahas
- Responsibilities: weekly office hours, homework grading
- Students' comments not collected.

IOE Ph.D. Mentor Program, University of Michigan

- Geyu Liang, IOE PhD Student

2021 - 2022

- Responsibilities: answering questions, assistance in going through the program

SERVICES AND PROFESSIONAL ACTIVITIES

- Reviewer for *Operations Research, Management Science, Manufacturing and Service Operations Management, Production and Operations Management, Operations Research Letters*
- Graduate Student Coordinator, Department of Industrial and Operations Engineering, University of Michigan July 2021 - July 2023
 - Responsibilities: Graduate Student Orientation, Recruitment Weekend, Graduate Student Mentoring Guide, Graduate Banquet, Office Assignments, Grad Picnic
- Member of the Student Leadership Board, Department of Industrial and Operations Engineering, University of Michigan July 2021 - July 2023
 - Responsibilities: Student Leadership Board Meetings