

Yiwei Chen

CONTACT INFORMATION

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EDUCATION

Massachusetts Institute of Technology, Cambridge, MA
Sloan School of Management

Ph.D. in Management (concentration in Operations Management)

CURRENT POSITION **Temple University, Fox School of Business**, Philadelphia, PA
Assistant Professor

JOURNAL PUBLICATIONS

1. **Yiwei Chen**, Nikolaos K. Trichakis. “On Revenue Management with Strategic Customers Choosing When and What to Buy.” *Operations Research*, Vol 69, No. 1, January-February 2021, pp. 175-187.
2. **Yiwei Chen**, Ming Hu. “Pricing and Matching with Forward-looking Buyers and Sellers.” *Manufacturing & Service Operations Management*, Vol. 22, No. 4, July-August 2020, pp. 717-734.
3. **Yiwei Chen**, Cong Shi. “Joint Pricing and Inventory Management with Strategic Customers.” *Operations Research*, Vol. 67, No. 6, November-December 2019, pp. 1610-1627.

- Third Place in the 2017 JFIG Paper Competition.

4. **Yiwei Chen**, Özalp Özer. “Supply Chain Contracts that Prevent Information Leakage.” *Management Science*, Vol. 65, No. 12, December 2019, pp. 5619–5650.
5. **Yiwei Chen**, Vivek F. Farias, Nikolaos K. Trichakis. “On the Efficacy of Static Prices for Revenue Management in the Face of Strategic Customers.” *Management Science*, Vol. 65, No. 12, December 2019, pp. 5535–5555.
6. **Yiwei Chen**, Vivek F. Farias. “Robust Dynamic Pricing with Strategic Customers.” *Mathematics of Operations Research*, Vol. 43, No. 4, November 2018, pp. 1119-1142.
7. **Yiwei Chen**, Hai Wang. “Pricing for a Last Mile Transportation System.” *Transportation Research Part B: Methodological*, Vol. 107, January 2018, pp. 57-69.
8. **Yiwei Chen**, Retsef Levi, Cong Shi. “Revenue Management of Reusable Resources with Advanced Reservations.” *Production and Operations Management*, Vol. 26, No. 5, May 2017, pp. 836-859.
9. **Yiwei Chen**, Vivek F. Farias. “Simple Policies for Dynamic Pricing with Imperfect Forecasts.” *Operations Research*, Vol. 61, No. 3, May-June 2013, pp. 612-624.
10. **Yiwei Chen**, Namrata Cornick, Andrew O. Hall, Ritvik Shajpal, John Silberholz, Inbal Yahav, Bruce L. Golden. “Computational Comparison of Heuristics for Solving the Generalized Minimum Label Spanning Tree Problem.” *Telecommunications Modeling, Policy, and Technology*, Chapter 9, pp. 191-217, Springer, 2008.

REFEREED CONFERENCE PROCEEDINGS

11. **Yiwei Chen**, Stefanus Jasin. “Power of Price Adjustment in Revenue Management with Strategic Customers.” *Proceedings of the Twentieth ACM Conference on Economics and Computation*, 2019, pp. 395-395.
12. MohammadHossein Bateni, **Yiwei Chen**, Dragos F. Ciocan, Vahab Mirrokni. “Fair Resource Allocation in a Volatile Marketplace.” *NeurIPS (NIPS) 2018 Workshop on Challenges and Opportunities for AI in Financial Services*, 2018.

13. **Yiwei Chen**, Cong Shi. “Joint Pricing and Inventory Management with Strategic Customers.” *Proceedings of the Eighteenth ACM Conference on Economics and Computation*, 2017, pp. 515-515.
14. **Yiwei Chen**, Vivek. F. Farias. “On the Efficacy of Static Prices for Revenue Management in the Face of Strategic Customers.” *Proceedings of the Seventeenth ACM Conference on Economics and Computation*, 2016, pp. 811-811.
15. MohammadHossein Bateni, **Yiwei Chen**, Dragos F. Ciocan, Vahab Mirrokni. “Fair Resource Allocation in a Volatile Marketplace.” *Proceedings of the Seventeenth ACM Conference on Economics and Computation*, 2016, pp. 819-819.
16. **Yiwei Chen**, Vivek F. Farias. “Robust Dynamic Pricing with Strategic Customers.” *Proceedings of the Sixteenth ACM Conference on Economics and Computation*, 2015, pp. 777-777.

BOOK CHAPTERS

17. **Yiwei Chen**, Ming Hu, Yun Zhou. “Pricing and Matching in the Sharing Economy.” *Sharing Economy: Making Supply Meet Demand*, Ming Hu (Ed.), in *Springer Series in Supply Chain Management*, Christopher S. Tang (Series Ed.), 2019.

WORKING PAPERS

18. **Yiwei Chen**, Stefanus Jasin. “Provably Near-Optimal Simple Markdown Readjustment Pricing Policies.” (2021) Under review.
19. **Yiwei Chen**, Zheng Wen, Yao Xie. “Dynamic Pricing in an Evolving and Unknown Marketplace.” (2021) Under review.
20. MohammadHossein Bateni, **Yiwei Chen**, Dragos F. Ciocan, Vahab Mirrokni. “Fair Resource Allocation in a Volatile Marketplace.” (2020) Major revision after the 2nd round review at *Operations Research*.
21. **Yiwei Chen**, Cong Shi. “Network Revenue Management with Online Inverse Batch Gradient Descent Method.” (2020) Under review.
22. **Yiwei Chen**, Hai Wang. “Why are Fairness Concerns so Important? Lessons from Pricing a Shared Last-Mile Transportation System.” (2020) Under review.

WORK IN PROGRESS

23. **Yiwei Chen**, Vivek F. Farias. “Merger Simulation in the presence of Network Revenue Management.” (2019).

PATENTS

24. **Yiwei Chen**, Ramesh Natarajan. “Demand Modeling and Prediction in a Retail Category.” US8386285 B2, February 2013.

AWARDS

1. 2019, *Management Science* Service Award.
2. 2017, Junior Faculty Interest Group (JFIG) Paper Competition, Third Place, INFORMS.
3. 2017, *Manufacturing & Service Operations Management* Meritorious Service Award.

SELECTED SERVICE Program committee member for

1. The Web Conference (WebConf), Economics, Monetization, and Online Markets track, 2020
2. Symposium on Algorithmic Game Theory, 2018

Reviewer for

1. *Computers and Operations Research*
2. *Decision Sciences*
3. *European Journal of Operational Research*
4. *IIE Transactions*

5. *International Journal of Approximate Reasoning*
6. *Management Science*
7. *Manufacturing & Service Operations Management*
8. *Naval Research Logistics*
9. *Operations Research*
10. *Operations Research Letters*
11. *Surveys in Operations Research and Management Science*
12. *Transportation Research Part B: Methodological*
13. *Transportation Research Part E: Logistics and Transportation Review*

Judge for

1. INFORMS Junior Faculty Interest Group (JFIG) Paper Competition, 2019, 2020