

Zheng (Justin) Jia

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Purdue University, West Lafayette, IN 47907
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Academic Position

- **Assistant Professor in Operations Management** 2012-Present
Purdue University, Krannert School of Management, West Lafayette, IN
- **Visiting Instructor in Operations Management** 2011-2012
Purdue University, Krannert School of Management, West Lafayette, IN

Education

- **Ph.D., Business Administration: Supply Chain & Information Systems** 5/2012
Dual Degree in Operations Research, Minor in Statistics
The Pennsylvania State University, University Park
- **M.Eng., Industrial Engineering** 8/2006
Dual Degree in Operations Research
The Pennsylvania State University, University Park
- **M.Eng., Industrial & Manufacturing Systems Engineering** 3/2004
Beijing University of Aeronautics and Astronautics, China
- **B.Eng., Mechanical Manufacturing & Automation** 7/2001
Beijing University of Aeronautics and Astronautics, China

Published and Forthcoming Papers

- Justin Jia, Ronald M. Harstad, and Michael H. Rothkopf, "Information Variability Impacts in Auctions," *Decision Analysis*, Vol. 7, No. 1, March 2010.
- Justin Jia, "Managing The Revenue of Sales Platforms: Insights into Service Fees," *Production and Operations Management*, Forthcoming.

Working Papers

- Justin Jia, Susan H. Xu, and Daniel Guide, "Push or Pull? Designing Efficient Strategies for Remanufacturing," Under third round review at *Production and Operations Management*.
- Justin Jia and Hui Zhao, "Mitigating The U.S. Drug Shortages Through Pareto-Improving Contracts," Under review at *Production and Operations Management*.
- Justin Jia and J. George Shanthikumar, "Robust Knowledge-Based Sourcing Under Dependent Supply Disruption Risks."
- Hiroko Okajima, Justin Jia, Hui Zhao, and Susan H. Xu, "Dynamic Capacity Sourcing for New Ethical Drugs."

Work in Progress

- Qi Feng, Justin Jia, and J. George Shanthikumar, "Managing Dependent Random Supply Capacities in Dynamic Inventory-Pricing Problems."
- Justin Jia, Jia Li, and J. George Shanthikumar, "Analytics for A Marketing Platform: The Selection and Pricing of Lightning Deals."

- Justin Jia, Susan H. Xu, and Kalyan Chatterjee, “Technology Diffusion by Imitation in Complex Networks.”
- Justin Jia and Hui Zhao, “Does The Medicare Modernization Act Cause Drug Shortages? Theory and Experiments.”

Academic Activities

- Member of *Institute for Operations Research and the Management Sciences (INFORMS)* and *Production and Operations Management Society (POMS)*.
- Referee for *Management Science*, *Production and Operations Management*, *Decision Analysis*, *IEEE Transactions on Reliability*, *Naval Research Logistics* and *OMEGA*. External reviewer for grant application for seed funding at University of Missouri.
- Track Chair, Purchasing and Supply Management Track, *POMS Annual Meeting*, Washington D.C., 2015.

Conference Presentations

- “Mitigating The U.S. Drug Shortages: Pareto-Improving Contract Design,” *INFORMS Annual Meeting*, Philadelphia, 2015.
- “Mitigating The U.S. Drug Shortages: Pareto-Improving Contract Design,” research presentation to the *U.S. Food and Drug Administration (FDA)* and the *Office of The Assistant Secretary for Planning and Evaluation (ASPE)*, Washington D.C., 2014.
- “An Analysis of Drug Shortages: Inventory Management and Contract Designs,” *POMS Annual Meeting*, Minneapolis MN, 2013.
- “An Analysis of Drug Shortages: Operational Strategies and Contract Designs,” *INFORMS Healthcare Conference*, Chicago IL, 2013.
- “Remanufacturing Strategies for a Technology Product with Lost Sales,” *POMS Annual Meeting*, Chicago IL, 2012.
- “Optimal Auctioneer Fee Policy,” *INFORMS Annual Meeting*, Austin TX, 2010.
- “A Remanufacturing Inventory System with Lost Sales: Push, Pull and Hybrid Strategies,” *INFORMS Annual Meeting*, San Diego CA, 2009.
- “Information Variability Impacts in Auctions,” *INFORMS Annual Meeting*, Washington D.C., 2008.

Teaching Experience

- **Krannert School of Management, Purdue University** 2011-Present
MGMT660 Introduction to Operations Management
MGMT690 Operations and Supply Chain Analysis
MGMT590 Supply Chain Analytics
MGMT490 Supply Chain Analytics
MGMT462 Advanced Manufacturing Planning and Control Systems
MGMT361 Operations Management
- **Smeal College of Business, The Pennsylvania State University** 2010
SCM421 Supply Chain Modeling and Analysis

Accolades and Supports

- Pierskalla Best Paper Award Finalist, 2015
- Krannert Undergraduate Innovation in Teaching Grant, \$5,000, 2015
- Doug and Maria DeVos Faculty Support Award in Global Supply Chain Management, \$25,000, 2014
- Jeanne and Charles Rider Graduate Fellowship, \$3,200 total, 2008 and 2009

Industry Experience

- **eBay Research Labs (Internship)** Summer 2008
Study of the impact of internet sales taxes on eBay's business operations. Analysis of equilibria upon introduction of the taxes, and eBay's corresponding strategy in designing selling mechanisms.
- **Aviation Industries of China (Consulting Projects)** Fall 2003–Spring 2004
Participation in two projects of the *Hi-Tech Research and Development Program of China* for enterprise information system modeling and analysis. Participation in the design and deployment of an enterprise resource planning system in two major aero manufacturers in China: Chengdu Aircraft Corporation and ShenYang Liming Aero-Engine Corporation.