

IN JOON NOH

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EMPLOYMENT

The Pennsylvania State University, University Park, PA, USA

Assistant Professor in Supply Chain & Information Systems, Smeal College of Business, 2020 - Present

EDUCATION

The Ohio State University, Columbus, OH, USA

Ph.D. in Operations Management (Minor in Statistics), 2020

Dissertation Chair: John Gray

Korea Advanced Institute of Science and Technology, Daejeon, South Korea

M.S. in Industrial Engineering, 2010 (*graduated with honor*)

Hanyang University, Seoul, South Korea

B.S. in Industrial Engineering, 2008 (*summa cum laude*)

RESEARCH INTERESTS

- Empirical research in sustainable operations
 - Social dimension: pharmaceutical quality and shortage, workplace safety, regulatory compliance issues
 - Environmental dimension: product disposition, toxic releases, compliance issues

PUBLICATIONS

“Understanding the Choice of Online Resale Channel for Used Electronics” (With Gokce Esenduran and James Hill). *Production and Operations Management*, 29(5), 2020, p.1188-1211.

“A Review of Production and Operations Management Research on Outsourcing in Supply Chains: Implications for the Theory of the Firm” (With Andy Tsay, John Gray, and Joseph Mahoney). *Production and Operations Management*, 27(7), 2018, p.1177-1220.

“Cost Benefits from Standardization of the Packaging Glass Bottles” (With Young Dae Ko and Hark Hwang). *Computers and Industrial Engineering*, 62(3), 2012, p.693-702.

UNDER REVIEW, UNDER REVISION, AND WORKING PAPERS

“Promoting Generics: Effects on Pharmaceutical Quality” (With Hessam Bavafa and Christian Blanco). Under revision for resubmission to *Management Science* (second-round decision: *Major Revision*).

“Do Drug Shortages Affect Drug Quality? An Empirical Analysis” (With Archie Zhuang, Suvrat Dhanorkar, and Hui Zhao). Under review at *Manufacturing and Service Operations Management* (first-round decision: *Major Revision*).

“Does the Focus on Workplace Safety Affect Environmental Performance?” (With Suresh Muthulingam). Under revision for resubmission to *Manufacturing and Service Operations Management* (first-round decision: *Major Revision*).

“Generic Drug Manufacturing Location and Drug Adverse Events” (With John Gray, George Ball, and Hyunwoo Park). Under revision for resubmission to *Production and Operations Management* (first-round decision: *Major Revision*).

“Mitigating the U.S. Drug Shortages: Quality Reward and Other Interventions” (With Sergey Naumov and Hui Zhao). Under revision for resubmission to *Journal of Operations Management* (first-round decision: *Major Revision*).

“Learning in Recovery from Disruption: Evidence from the U.S. Drug Shortages” (With Huck Lee, Junghee Lee, and Bradley Staats). Under revision for resubmission to *Management Science* (first-round decision: *Reject and Resubmit*).

“Does Legalizing Marijuana Increase Toxic Waste? Evidence from Manufacturing Facilities in the United States” (With Suvrat Dhanorkar and Suresh Muthulingam). Under review at *Manufacturing and Service Operations Management*.

WORKS-IN-PROGRESS

- “Factors Affecting the Relationship Between Inspections and Quality Outcomes in the Pharmaceutical Industry” (With Zachary Wright, John Gray, and George Ball). Status: In preparation of manuscript for submission.
- “Does the Public Posting of Regulatory Violations Promote Industry-Wide Compliance Improvement? Evidence from the Pharmaceutical Industry” (With John Gray and Aravind Chandrasekaran). Status: Exploring additional analyses for robustness check.
- “Generic Drug Quality and Global Supply Chain” (With Xinyu Liang, Jun Li, and Ravi Anupindi). Status: Analyzing data.
- “Impact of Drug Shortages on FDA Inspections: An Empirical Study” (With Archie Zhuang, and Hui Zhao). Status: Analyzing data.

AWARDS, GRANTS, AND HONORS

- Runner-up, *Elwood S. Buffa Doctoral Dissertation Award at Decision Sciences Institute*, November 2021
- Co-investigator, *U.S. Food and Drug Administration (FDA) Broad Agency Announcement (BAA) Grant*, October 2019 - September 2021
- Student investigator, *U.S. Food and Drug Administration (FDA) Quality Scorecard Grant*, June 2018 - March 2020
- Finalist, *Hayes Graduate Research Forum at The Ohio State University*, 2019
- Excellent Performance Incentive, *Samsung Electronics*, 2012 and 2013
- Quality Smart Award (1st place), Quality Improvement Idea Competition awarded by *VP of Samsung Electronics Semiconductor Division*, 2011
- Best Paper Award, *Samsung Semiconductor Technology Symposium*, 2010
- Song-Hyun Award (graduation with the highest GPA), *Korea Advanced Institute of Science and Technology*, 2009
- Young Scientist Prize, *International Conference on IML*, 2009
- Master’s Fellowship, *Korea Advanced Institute of Science and Technology*, 2008 - 2010
- Excellent/Top Scholarships, *Hanyang University*, 2004, 2006, and 2007

TEACHING EXPERIENCE

The Pennsylvania State University, Smeal College of Business

- Instructor
 - Supply Chain Management 406: Strategic Procurement
 - Fall 2022; class size: 141 (three sections); instructor rating (median): 7.0/7.0
 - Fall 2021; class size: 134 (three sections); instructor rating (median): 7.0/7.0
 - Fall 2020; class size: 135 (three sections); instructor rating (median): 7.0/7.0

The Ohio State University, Fisher College of Business

- Instructor
 - Business Management 3230: Introduction to Operations Management
 - Summer 2018; class size: 72; instructor rating (mean): 4.8/5.0
 - Spring 2017; class size: 73; instructor rating (mean): 4.3/5.0
- Teaching Assistant
 - Business Management 3230: Introduction to Operations Management (Spring 2018; for Dr. Erin McKie)
 - Business Management 7233 (MBA): Global Sourcing (Fall 2015, Fall 2014; for Dr. John Gray)
 - Business Management 7223 (MBA): Project Management (Spring 2015; for Dr. Nicholas Hall)

Samsung Electronics, Semiconductor Division

- In-House Lecturer, 2011-2014
 - Statistical Process Control
 - Gage R&R

INDUSTRY EXPERIENCE

Samsung Electronics Semiconductor Division, Hwasung, South Korea

- Quality Engineer, 2010-2014
 - Statistical process and yield control
 - Supplier quality management and audits

PROFESSIONAL AFFILIATIONS

- Institute of Operations Research and Management Science (INFORMS)
- Production and Operations Management Society (POMS)

REVIEWER (JOURNALS)

- Management Science
- Manufacturing and Service Operations Management
- Production and Operations Management
- Journal of Operations Management (Editorial Review Board Member)

CONFERENCE PRESENTATIONS (* BY CO-AUTHOR)

Factors Affecting the Relationship Between Inspections and Quality Outcomes in the Pharmaceutical Industry

- INFORMS 2023*, POMS 2023*

Impact of Drug Shortages on FDA Inspections: An Empirical Study

- INFORMS 2023*, POMS 2023*

Promoting Generics: Effects on Pharmaceutical Quality

- POMS 2023 and 2022, INFORMS 2023, 2022 and 2021, DSI 2021

Does Legalizing Marijuana Degrade Operational Efficiency?

- INFORMS 2023*, POMS 2023

Can Safety Inspections Affect Environmental Performance? An Empirical Investigation

- POMS 2023

Generic Drugs, Manufacturing Location, and Serious Drug Adverse Events

- INFORMS 2022

Do Drug Shortages Affect Drug Quality? An Empirical Analysis

- INFORMS 2022*, POMS 2022*

Evaluation of Government Interventions to Mitigate the US Drug Shortages

- INFORMS 2022 and 2021*, POMS 2022

Learning in Drug Shortage Recoveries

- POMS 2022*, INFORMS 2021*, DSI 2021*

Who Benefits from Warning Letters? Evidence of Learning from Failure from the Pharmaceutical Industry

- POMS 2021, Industry Studies Association (ISA) 2021

Are Generic Drugs Safe? A Drug-Level Analysis

- DSI 2019, INFORMS 2019

Does Environmental Performance Predict Quality Performance at FDA-regulated Plants?

- INFORMS 2019, POM 2019

Effect of Customer Portfolio on Quality Performance of Pharmaceutical Contract Manufacturers

- DSI 2018

Understanding the Choice of Online Resale Channel for Used Electronics

- POMS 2019* and 2017, DSI 2016*

Evaluating the Value of Sharing Quality Information for Assembled Products

- POMS 2016