

JUNGHEE LEE

School Address

355 Mendoza College of Business
University of Notre Dame
Notre Dame, IN 46556

Contact

jlee93@nd.edu
+1-574-631-4404

ACADEMIC EMPLOYMENT

University of Notre Dame

Assistant Professor of Information, Technology, Analytics, and Operations

Notre Dame, IN
July 2021 - Present

Tulane University

Assistant Professor of Management Science

New Orleans, LA
July 2018 - June 2021

EDUCATION

University of California San Diego

Ph.D. in Management (Major: Innovation, Technology, and Operations Management) San Diego, CA 2018
• Dissertation: Model-Based Theory Creation and Empirical Analysis of Technological Supply Chains
• Advisors: Vish Krishnan and Hyoduk Shin

Washington University in St. Louis
M.S. in Business Administration

St. Louis, MO
2014

University of Michigan at Ann Arbor
M.S. in Industrial and Operations Engineering

Ann Arbor, MI
2008

Yonsei University
B.S. in Information and Industrial Engineering

Seoul, Korea
2006

PUBLICATIONS

(* denotes that the authors contributed equally and are listed in alphabetical order.)

- P5. Wang J, Huang T, Lee J (2023) Cross-Licensing in a Supply Chain with Asymmetric. *Manufacturers. Manufacturing & Service Operations Management* 25(5):1855-1872.
- P4. Lee J, Lee H, Shin H, Krishnan V (2021) Alleviating Drug Shortages: The Role of Mandated Reporting-Induced Operational Transparency. *Management Science*, 67(4), pp.2326-2339.
- P3. Lee J, Krishnan V, Shin H (2020) Business models for technology-intensive supply chains. *Management Science*, 66(5), pp.2120-2139.
- P2. Krishnan V, Lee J, Mnyshenko O, Shin H* (2019) Inclusive innovation: Product innovation in technology supply chains. *Manufacturing & Service Operations Management*, 21(2), pp.327-345.
- P1. Parvin H, Van Oyen MP, Pandelis DG, Williams DP, Lee J (2012) Fixed task zone chaining: worker coordination and zone design for inexpensive cross-training in serial CONWIP lines. *IIE Transactions*, 44(10), pp.894-914.

WORKING PAPERS

(* denotes that the authors contributed equally and are listed in alphabetical order.)

- W1. Lee J, Ryan J, Shin H, Sun D* (2024) The Impacts of a Non-profit Organization on Drug Shortages, Major Revision at M&SOM.
- W2. Lee J, Lai W, Tan Y, Hu M (2024) Shades of Green: The Hidden Impact of Prosumers and Its Mitigation, Major Revision at POM.
- W3. Lee J, Lee H, Noh I, Staats B (2024) Learning in Recovery from Disruption: Empirical Evidence from the US Drug Shortages, Reject and Resubmit at MS.
- W4. Lee J, Girish M, Olsen M, Sun D, Yu D* (2024) The Impacts of Brand Equity on the Launch of Radical Product Innovations, Reject and Resubmit at POM.
- W5. Lee J, Wang J, Di C (2024) Advertising Budget Trap in a Distribution Channel.

ONGOING PROJECTS

- O1. How Should We Deal with Malicious Customers' Threats in Online Review? Perspectives of Retailers, Customers, and Platforms (Joint work with Shawn Qu, Daewon Sun, and Hemant Bhargava)
- O2. All Waiting Is not Equal (Joint work with Katie Wowak and Daewon Sun)

PRESENTATIONS

How Should We Deal with Malicious Customers' Threats in Online Review? Perspectives of Retailers, Customers, and Platforms

- HICSS, Honolulu, HI 2024

The Impacts of Brand Equity on the Launch of Radical Product Innovations

- INFORMS, Phoenix, AZ 2023
- MSOM, Tornoto, CA 2023
- POMS, Orlando, FA 2023

Learning in Recovery from Disruption: Empirical Evidence from the US Drug Shortages

- MSOM, Munich, Germany 2022
- POMS (online) 2022
- INFORMS, Anaheim, CA 2021

The Impacts of A Non-profit Organization on Drug Shortages

- INFORMS, Anaheim, CA 2021

More Investment Less Profit? An R&D Investment Conundrum of A Budget Constrained Firm In A Supply Chain

- MSOM, Munich, Germany 2022
- POMS, Washington D.C. 2019

Does Competition Help Product Recovery? A Theory and Evidence from U.S. Drug Shortages (Current title: Alleviating Drug Shortages: The Role of Mandated Reporting-Induced Operational Transparency)

- INFORMS, Seattle, WA 2019
- INFORMS Healthcare, Boston, MA 2019
- MSOM, Singapore 2019
- INFORMS, Phoenix, AZ 2018
- MSOM, Dallas, TX 2018
- POMS, Houston TX 2018

Timing of Promotion for Charity Crowdfunding Projects: An Empirical Study of The Role of Mid-Period Momentum (Current title: Making Charity Crowdfunding Work: An Empirical Study of Project Promotion for Improving Donor Contributions)

- ICIS, Dallas, TX 2021
- ICIS, San Francisco, CA 2018

Business Models for Technology Intensive Supply Chains

- WINDS consortium, The Wharton School, Philadelphia PA 2017
- MSOM, Chapel Hill, NC 2017
- INFORMS, Nashville, TN 2016

Product Innovation in Technology Supply Chains

- INFORMS, Houston, TX 2017
- INFORMS, Nashville, TN 2016

Innovation Internalization in Technology Intensive Supply Chains

- MSOM, Toronto, Canada 2015
- INFORMS, Philadelphia, PA 2015

TEACHING EXPERIENCE

Mendoza College of Business, University of Notre Dame

- MSMG 60320 Process Analytics (3.2 in 2022)
- MSBR 70200 Introduction to Statistical Analysis (3.9 in 2021)

A.B. Freeman School of Business, Tulane University

- MGSC 7330 Business Statistics and Modeling in R (4.1/7 in 2019 and 3.88/5 in 2020)
- MGSC 6000 Introduction to Business Analytics (6.7/7 in 2019)
- MGSC 3010 Introduction to Business Analytics (3.2/7 in 2018 and 4.8/7 in 2019)

Teaching Assistant, Rady School of Management, University of California at San Diego

- MGT 489 Customer Analytics 2016–2017
Held weekly review sessions (R for LTV, logistic regression, and machine learning)
- MGT 403 Quantitative Analysis 2014–2017
Held weekly review sessions (R for Decision tree, linear regression, and optimization)
- MGT 412 Lab To Market 2014–2017
- MGT 413 Operations, Information Systems, and Data Analysis 2015–2016
- MGT 450 Project Management 2015–2016

PROFESSIONAL EXPERIENCE

Illumina, San Diego, CA

2016

Data Scientist Intern

- Instrument Run Analytics
 - Established business data analysis platform by consolidating various data sources spread across different functional organizations
 - Created dashboards for key metrics
 - Provided Customer Segment Profitability Report and Quarterly and Monthly BaseSpace Metric Reports to the executive team

Norfolk Southern , Atlanta, GA <i>Operations Research Intern</i>	2013
• Federal Railroad Administration (FRA) Inspection Scheduling <ul style="list-style-type: none">– Formulated an optimization model for 4000 locomotives' recurring inspection schedule– Reduced the daily number of inspection variability by 50%	

Soft-Power , Seoul, Korea <i>Process Developer/Software Consultant</i>	2001-2005
• Conducted Database and User Interface Design Consulting for firms such as Samsung Electronics and SK Teletech <ul style="list-style-type: none">• Led technical customer support team• Developed PR and HR modules for a domestic ERP	

HONORS AND AWARDS

Best Student Paper Award, Kauffman Foundation, ICIS 2021	2021
Doctoral Fellowship, University of California at San Diego	2014-2018
Engineering School Scholarship, Yonsei University, Seoul, Korea	2001

SERVICE

Session Chair, INFORMS, Indianapolis, IN	2022
Invited Panel, DSI (online)	2021
Session Chair, INFORMS, Anaheim, CA	2021
Session Chair, INFORMS, Phoenix, AZ	2018
Session Chair, MSOM, Dallas, TX	2018
Session Chair, MSOM, Toronto, Canada	2015
Session Coordinator, UKC, Anaheim, CA	2012
Session Chair, INFORMS, Phoenix, AZ	2012

SKILLS

Packages: R, Mathematica, MATLAB, ARENA, ILOG CPLEX
Programming: Python, Java, VBA, C++
Database: MS-SQL, DB2, Oracle, Access