SEULCHAN LEE

Ph.D.   slee12@mtu.edu

Michigan Technological University · 1400 Townsend Dr Office Building

College of Business · Houghton, MI 49931

Academic Employment

Assistant Professor of Operations Management *Aug. 2022 -*
- College of Business, Michigan Technological University, Houghton, MI

Research Assistant/Instructor *May. 2017 - May. 2022*
- Mays Business School, Texas A& M University, College Station, TX

Education

Texas A&M University, Mays Business School, College Station, TX *2022*
- Ph.D. in Information & Operations Management

Texas A&M University, College Station, TX *2017*
- M.S. in Industrial Engineering

Korea University, Seoul, South Korea *2015*
- B.S. in Industrial & Management Engineering

Research Interests

Topics:	**Methodologies:**
Sustainable Operations	Game Theory
Retail Operations	Discrete/Robust Optimization
Energy Operations	Applied Econometrics

Manuscripts under Review

1. **Seulchan Lee**, Alexandar Angelus, Jon M. Stauffer, Chelliah Sriskandarajah, "Optimal Shipping, Collaboration, and Outsourcing Decisions in a Hybrid Cross-docking Supply Chain."
   - Accepted at ***IISE Transactions*** (formerly IIE Transactions)

2. Huseyn Abdulla, **Seulchan Lee**, Hankyul Oh, "Examining Sustainability as a Service Model in Retail."
   - Under review

3. **Seulchan Lee**, Alexandar Angelus, Chelliah Sriskandarajah, "Virtual Microgrids: Implications of Peer-to-Peer Energy Trading for Renewable Energy Investments."
   - *Reject & Resubmit* at ***Manufacturing & Service Operations Management***

Courses of Instruction

Instructor, Michigan Technological University
- BA 5610: Operations Management (MBA);
- OSM 3150: Supply Chain Management (Undergraduate);
- OSM 4700: Logistics and Transportation Management (Undergraduate);

Instructor, Texas A&M University
- SCMT 336: Data Analytics Optimization (Undergraduate);
- SCMT 364: Supply Chain Management (Undergraduate);

Teaching Assistant, Texas A&M University
- SCMT 364: Supply Chain Management, Fall 2018

Fellowships & Scholarships

Mays Business School PhD Enhancement Fellowship, Texas A&M University	*2017 - 2022*
Information & Operations Management Department Fellowship, Texas A&M University	*2017 - 2022*
Department Merit Scholarship, Industrial and Systems Engineering, Texas A&M University	*2015 - 2017*

Professional Affiliations

Institute for Operations Research and Management Sciences (INFORMS)	*2018 - Present*
Production and Operations Management Society (POMS)	*2018 - Present*
Commodity and Energy Market Association (CEMA)	*2020 - Present*
Power Systems Engineering Research Centers (PSERC)	*2023 - Present*

Conference Presentations (†: *Presented by Co-authors*)

Examining Sustainability-as-a-Service Model in Retail
- 2023 INFORMS Annual Meeting;
- 2023 POMS Annual Conference†;
- 2022 INFORMS Annual Meeting†

Virtual Microgrids: Implications Peer-to-Peer Trading for Renewable Energy Investments
- 2023 POMS Annual Conference;
- 2022 POMS Annual Conference;
- 2021 INFORMS Annual Meeting;
- 2021 POMS Annual Conference

Optimal Shipping, Collaboration, and Outsourcing Decisions in a Cross-docking Supply Chain
- 2022 POMS Annual Conference;
- 2019 INFORMS Annual Meeting;
- 2019 POMS Annual Conference

The Impact of Transmission Grid Development on Renewable Energy Generation
- 2022 POMS Annual Conference;
- 2021 INFORMS Annual Meeting†;
- 2021 Decision Science Institute (DSI) Annual Conference

Service and Activities

Ad-hoc Reviewer, *Production and Operations Management*	*2022-*
Program Committee, ACM FaaCT	*2023*
Session Chair, POMS Annual Conference, Sustainable Operations Track	*2022*
Reviewer, Decision Science Institute (DSI) Annual Conference	*2018*

Professional Services

Technical Track Manager, POMS Annual Conference	*2021*

Professional Experience

Research Assistant (Advisor: Thomas Ferris)   *2016*
Toyota / Texas Transportation Institute (TTI) / Industrial Engineering, Texas A&M University
Project Description: Examining the Impact of Cognitive Workload on Drivers

Inventory Manager (as a part of Military Service)   *2013-2014*
National Veteran's Healthcare Center, Daejeon, South Korea

Technical Skills

Mathematica, Matlab, STATA, R, C++, AMPL/CPLEX, SAS, GAMS, SPSS, LaTeX, VBA in Excel

Graduate Coursework

Doctoral Seminars in Business Administration: Empirical Research in OM/SCM, Discrete Optimization and Scheduling, Closed-Loop Supply Chain, Operations Strategy, Process Theories

Economics and Econometrics: Econometrics I & II, Microeconomics Theory II, Public Economics

Operations Research & Industrial Engineering: Linear Programming, Non-linear and Dynamic Programming, Stochastic Processes, Design of Industrial Experiment, Systems Engineering

Statistics & Machine Learning: Mathematical Statistics, Distribution Theory, Statistics in Research I & II, Principles of Data Science and Machine Learning Predictive Modeling, Applied Multivariate Analysis and Statistical Learning

References

Available upon request.