SEULCHAN LEE

Ph.D. ✉ slee12@mtu.edu

Michigan Technological University
College of Business

1400 Townsend Dr Office Building
Houghton, MI 49931

Academic Employment

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

Research Assistant/Instructor *2017 - 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.Sc. in Industrial & Management Engineering

Research Interests

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

Manuscripts Published & 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." ***IISE Transactions*** (2023): 1-15. *Featured article in December 2024 issue of ISE Magazine*

2. Michael Ketzenberg, **Seulchan Lee**, Hankyul Oh, Nesim Erkip, "Consumer Food Waste in Retailing."
   - Under review

3. **Seulchan Lee**, Huseyn Abdulla, Hankyul Oh, "Managing Carbon-neutral Delivery in Online Retailing."
   - Under review

4. **Seulchan Lee**, Huseyn Abdulla, "Salesperson Incentives and Consumer Returns."
   - In preparation for resubmission

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

Professional Affiliations

Institute for Operations Research and Management Sciences (INFORMS)	*2018 - Present*
Production and Operations Management Society (POMS)	*2018 - Present*
Decision Science Institute (DSI)	*2024 - Present*
Power Systems Engineering Research Centers (PSERC)	*2023 - Present*

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

Salesperson Incentive under Consumer Returns
- 2024 INFORMS Annual Meeting;
- 2024 INFORMS MSOM Conference;
- 2024 POMS Annual Meeting

Examining Sustainability-as-a-Service Model in Retail
- 2024 INFORMS Annual Meeting†;
- 2024 POMS Annual Meeting;
- 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

Professional Service

Session Chair, POMS Annual Conference	*2022, 2024*
Ad-hoc Reviewer, *Production and Operations Management*	*2022-*
Program Committee, ACM FaaCT	*2023*
Technical Track Manager, POMS Annual Conference	*2021*
Reviewer, Decision Science Institute (DSI) Annual Conference	*2018*
Committee, Undergraduate Committee, College of Business, Michigan Technological University	*2024-*
Committee, Graduate Committee, College of Business, Michigan Technological University	*2022-2024*

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*

Technical Skills

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

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

References

Available upon request.