

Tao LU

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ACADEMIC APPOINTMENTS **School of Business, University of Connecticut**
Department of Operations and Information Management
Associate Professor, 2024 - present
Assistant Professor, 2020 - 2024

Rotterdam School of Management, Erasmus University
Department of Technology and Operations Management
Assistant Professor, 2016 - 2020

EDUCATION **Hong Kong University of Science and Technology**
Ph.D., Industrial Engineering and Logistics Management, 2016
M.Phil., Industrial Engineering and Logistics Management, 2013
Beijing Jiaotong University
BBA., Management Science and Engineering, 2011

RESEARCH INTERESTS Contexts: supply chain management, transport logistics, gig economy platforms, socially responsible and sustainable operations
Methodologies: analytical modeling, game theory, optimization under uncertainty

PUBLICATIONS †: student coauthor; ‡: doctoral advisor.

Tao Lu and Brian Tomlin. Credible cheap-talk communication of private demand information on both the forecast average and accuracy. *Management Science*. Forthcoming.

Tao Lu. Can a supplier's yield risk be truthfully communicated via cheap talk? *Manufacturing & Service Operations Management*. Forthcoming.

X. Lin[†], **Tao Lu**, X. Wang and G. Kou. Mergers between on-demand service platforms: The impact on consumer surplus and labor welfare. *Information Systems Research*. Forthcoming.

Tao Lu and Brian Tomlin. 2023. Forewarned is forearmed? Contingent sourcing, shipment information and supplier competition. *Manufacturing & Service Operations Management* 25(5): 1796-1813.

Tao Lu, Zhichao Zheng and Yuanguang Zhong. 2023. Maximizing the benefits of an on-demand workforce: Fill rated-based allocation and coordination mechanisms. *Manufacturing & Service Operations Management* 25 (6), 2216-2232.

Tao Lu and Brian Tomlin. 2022. Sourcing from a self-reporting supplier: Strategic communication of social responsibility in a supply chain. *Manufacturing & Service Operations Management* 24(2): 902-920.

Alberto Giudici[†], **Tao Lu**, Clemens Thielen and Rob Zuidwijk. 2021. An analysis of the stability of hinterland container transport cooperation. *Transportation Science* 55(5): 1170-1186.

Tao Lu, Ying-Ju Chen, Jan C. Fransoo and Chung-Yee Lee[‡]. 2020. Shipping to heterogeneous

customers with competing carriers. *Manufacturing & Service Operations Management* 22(4): 850-867.

Tao Lu, Chung-Yee Lee[‡] and Loo-Hay Lee. 2020. Coordinating pricing and empty container repositioning in two-depot systems. *Transportation Science* 54(6): 1697-1713.

Tao Lu, Ying-Ju Chen, Brian Tomlin and Yimin Wang. 2019. Selling co-products through a distributor: The impact on product line design. *Production and Operations Management* 28(4): 1010-1032.

Tao Lu, Jan C. Fransoo and Chung-Yee Lee[‡]. 2017. Carrier portfolio management for shipping seasonal products. *Operations Research* 65(5): 1250-1266.

Yang Tong[†], **Tao Lu**, Yina Li, Fei Ye. 2023. Encroachment by a better-informed manufacturer. *European Journal of Operational Research* 305(3): 1113-1129.

Chung-Yee Lee[‡] and **Tao Lu**. 2015. Inventory competition with yield reliability improvement. *Naval Research Logistics* 62(2): 107-126.

PAPERS UNDER REVIEW/REVISION **Tao Lu**. Shipment monitoring, allocation and the impact on food waste. - accepted for presentation at the 2023 MSOM SIG Conference

GRANT Co-PI, “Harnessing mobility big data and artificial intelligence through a transdisciplinary research network in food production, processing, and consumption systems,” **\$1,000,000**, National Institute of Food and Agriculture (NIFA) Data Science for Food and Agriculture Systems, US Department of Agriculture, 2022-2026.

IN MEDIA Apartment developers, homebuilders feel global supply chain pains, but ‘good’ projects still move forward. *Hartford Business Journal*, Jan 31, 2022 [[Link](#)]
Fact check: Cargo backlog due to supply chain snags, not executive order. *USA Today*, Oct 27, 2021 [[Link](#)]
Stores struggle to fill shelves. *WFSB TV Channel 3*, Oct 18, 2021 [[Video Link](#)]
Supply Chain Disruptions Create Shortages of Goods Just in Time for the Holidays. *UConn Today*, Oct 12, 2021 [[Link](#)]
Vaccine logistics: The ‘challenging task’ of delivering billions of doses. *CT Post*. Nov 19, 2020 [[Link](#)]

VISITING APPOINTMENTS Only visits longer than one month are listed:
Visiting Assistant Professor. Tuck School of Business, Dartmouth College, USA, May - Jun 2018
Visiting PhD student. Eindhoven University of Technology, Netherlands, Sept - Oct 2015
Visiting PhD student. National University of Singapore (NUS) Business School, Singapore, Aug - Oct 2014

TEACHING EXPERIENCES **School of Business, University of Connecticut**
OPIM 5111 - Supply Chain Analytics, Spring 2021, Spring 2022, Spring 2023, Spring 2024
- A new course developed by myself, offered to MBA and MSBAPM students.
- The course combines prescriptive analytics and supply chain management concepts, taught with case- and simulation-based methods.

OPIM 3301 (previously OPIM 3803) - Spreadsheet Modeling, Spring 2022, Spring 2023, Fall 2023,

Spring 2024, Fall 2024

OPIM 5641 - Business Decision Modeling, Spring 2021

Rotterdam School of Management, Erasmus University

Executive MBA core: Business Analytics and Decision Making, Spring 2020

MSc in Supply Chain Management core: Operations Research Methods
Fall 2016, Fall 2017, Fall 2018, Fall 2019

MSc in Supply Chain Management core: Managing the Supply Chain
Fall 2016, Fall 2017, Fall 2018, Fall 2019

- Awarded as the Best Supply Chain Management Core course at Rotterdam School of Management in 2018

Supply Chain Management Master Thesis

- Supervisor/co-reader for individual master thesis projects, 2016 - 2019

- Around 12 projects each year, including company-based projects with APM terminal, Heineken, Maersk, Mainfreight, PostNL, Samsung, etc.

HONORS AND
AWARDS

Editors' Award for Excellence in Reviewing, European Journal of Operational Research, 2022

Erasmus Research Institute of Management (ERIM) High Performance Member, 2020

Best Supply Chain Management core course, Rotterdam School of Management in 2017-2018

Overseas Research Award, HKUST, Hong Kong, P.R. China, 2014

Best Student Paper Award (**only one paper selected**), the Logistics and Maritime Systems (LOGMS) Conference, Singapore, 2013

Meritorious Winner in Mathematical Contest in Modeling (MCM), USA, 2010

National Scholarship, P.R. China, 2009 and 2010

INVITED SEMINARS

Implications of Shipment Monitoring Technologies on Supply Chain Management and Food Waste

Tongji University, China, March 2024 (online)

Tilburg University, Netherlands, Nov. 2022

Erasmus University Rotterdam, Netherlands, Nov. 2022

School-wide Research Seminar at the University of Connecticut, USA, Nov. 2022

Sourcing from a self-reporting supplier: strategic communication of social responsibility in a supply chain

University of Connecticut, USA, Feb. 2020

University of Groningen, Netherlands, Oct. 2019

Mergers of on-demand service platforms: The impact on consumer surplus and labor welfare

Lingnan (University) College, Sun Yat-Sen University, China, Dec. 2018

University of Cologne, Germany, Nov. 2018

Shipping to heterogeneous customers with competing carriers

South China University of Technology, China, Dec. 2018

Kühne Logistics University, Germany, Nov. 2018

Carrier portfolio management for shipping seasonal products

Rotterdam School of Management, Erasmus University, Netherlands, Oct. 2015

Eindhoven University of Technology, Netherlands, Oct. 2015

CONFERENCE
PRESENTATIONS

Shipment monitoring, allocation and the impact on food waste
POMS International Conference, Istanbul, Turkey, Jun 2024
INFORMS Annual Meeting, Phoenix, AZ, Oct 2023
MSOM SIG Conference, Montreal, Canada, Jun 2023
POMS Annual Conference, Orlando, FL, USA, May 2023
INFORMS Annual Meeting, Indianapolis, IN, USA, Oct 2022

IoT-enabled supply monitoring, Dual sourcing and supplier competition
INFORMS Annual Meeting, Anaheim, CA, USA, Oct 2021

Consumer profiling with inventory rationing
POMS Annual Conference, Orlando, FL, USA, 2023
The 13th Conference of the Chinese Scholars Association for Management Science and Engineering, Shanghai, China, July 2021 (virtual)

Sourcing from a self-reporting supplier: strategic communication of social responsibility in a supply chain
INFORMS Annual Meeting, Seattle, WA, USA, Oct 2019

Mergers of on-demand service platforms: The impact on consumer surplus and labor welfare
MSOM Conference, Montreal, Canada, Jun 2023
INFORMS Annual Meeting, Seattle, WA, USA, Oct 2019
MSOM Conference, Singapore, July 2019
INFORMS International Conference, Cancun, Mexico, Jun. 2019
POMS-HK International Conference, Hong Kong, China, Jan. 2019

Selling co-products through a distributor: The Impact on product line design
POMS International Conference, Sydney, Australia, Dec. 2017.

Shipping to heterogeneous customers with competing carriers
INFORMS International Conference, Taipei, China, Jun. 2018
INFORMS Annual Meeting, Houston, TX, USA, Oct. 2017
POMS International Conference, Tel Aviv, Israel, Jun. 2017.
INFORMS Annual Meeting, Nashville, TN, USA, Nov. 2016

Coordinating pricing and empty container repositioning: An analysis of two-depot systems
INFORMS Annual Meeting, Philadelphia, USA, Nov. 2015
LOGMS Conference, Hong Kong SAR, China, Aug. 2015

Carrier portfolio management for shipping seasonal products
INFORMS Annual Meeting, San Francisco, USA, Nov. 2014
POMS International Conference, Singapore, Jul. 2014
POMS-HK International Conference, Hong Kong, China, Jan. 2014
LOGMS Conference, Singapore, Sep. 2013

SCHOLARLY
SERVICES

Associate Editor, *Service Science*, 2024 - present

Ad-hoc Referee: *Management Science, Manufacturing & Service Operations Management, Production and Operations Management, INFORMS Journal on Computing, Transportation Science, Decision Sciences, European Journal of Operational Research, IISE Transactions, International Journal of Production Economics, Naval Research Logistics, Omega, Operations Research Letters, Transportation Research Part B, Transportation Research Part E*, among many other journals.

Conference Cluster/Track Co-Chair:

MSOM/Supply Chain Cluster, INFORMS Annual Meeting, Seattle, WA, USA, 2024
Supply Chain Management Track, POMS Annual Conference, Minneapolis, MN, USA, 2024

Conference Session Chair:

POMS Annual Conference, Orlando, FL, USA, 2023
INFORMS Annual Meeting, Indianapolis, IN, USA, 2022
INFORMS Annual Meeting, Houston, TX, USA, 2017
LOGMS Conference, Hong Kong SAR, China, 2015
LOGMS Conference, Singapore, 2013

Judge for Best Conference Paper Award, Conference Program Committee
The 2019 LOGMS Conference, Singapore

DEPARTMENT AND **School of Business, University of Connecticut**
SCHOOL SERVICES

Services to the Department of Operations and Information Management:

Task Force Lead, Development of the Master of Science program in Supply Chain Management,
2024 - present
Management and Engineering for Manufacturing (MEM) Program Committee, 2021 - present
Preparing and Grading PhD Qualifying Exam, 2021 - present
Faculty Hiring Committee, 2022 - 2023
PhD Qualifying Paper Committee, 2022 - 2023
PhD Recruiting Committee, 2021 - 2023
Task force for the design of supply chain concentrations for graduate programs, 2021 - 2022
Judge for Travelers Analytics Case Competition, March 2023
Judge for MEM Senior Design Day, Apr 2022
Judge for Unilever Supply Chain Case Competition, Oct 2021

School- and University-Level Services:

Business and Society Committee, 2021 - present
Faculty video project for UConn Business School PhD program, September 2023
Faculty Moderator for UConn Alumni 1881 Series: What's on Tap - Supply & Demand - How
Breweries are Keeping the Beer Flowing, Nov, 2022 [[Video Link](#)]

Rotterdam School of Management, Erasmus University

Services to the Department of Technology and Operations Management:

Seminar Coordinator, 2018 - 2020
Faculty Hiring Committee, 2019 - 2020