

Tao LU

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

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
Methodologies: analytical modeling, game theory, optimization under uncertainty

PUBLICATIONS †: student coauthor; ‡: doctoral advisor.

Tao Lu and Brian Tomlin. Forewarned is forearmed? Contingent sourcing, shipment information and supplier competition. *Manufacturing & Service Operations Management*. Forthcoming.

Tao Lu, Zhichao Zheng and Yuanguang Zhong. Maximizing the benefits of on-demand workforce: Fill rated-based allocation and coordination mechanism. *Manufacturing & Service Operations Management*. Forthcoming.

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 Xiaogang Lin[†], **Tao Lu** and Xin Wang. Mergers between on-demand service platforms: The impact on consumer surplus and labor welfare.

Tao Lu. Shipment monitoring, allocation and the impact on food waste.
- accepted by the 2023 MSOM Special Interest Group Conference

Ke Mao[†], Jing Liu, **Tao Lu** and Ke Fu. Consumer profiling with inventory rationing.

Tao Lu. Can a supplier's yield risk be truthfully communicated via cheap talk?

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.

Fact check: Cargo backlog due to supply chain snags, not executive order. *USA Today*, Oct 27, 2021

Stores struggle to fill shelves. *WFSB TV Channel 3*, Oct 18, 2021.

Supply Chain Disruptions Create Shortages of Goods Just in Time for the Holidays. *UConn Today*, Oct 12, 2021.

Vaccine logistics: The 'challenging task' of delivering billions of doses. *CT Post*. Nov 19, 2020.

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**
Average ratings below are calculated as the average of the median scores for the questions in the past teach evaluations.

OPIM 5110 - Supply Chain Analytics, Spring 2021, Spring 2022, Spring 2023
- 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.
- Average Rating: 5.0 out of 5

OPIM 3803 - Spreadsheet Modeling, Spring 2022, Spring 2023
- Average Rating: 4.6 out of 5

OPIM 5641 - Business Decision Modeling, Spring 2021
- Average Rating: 4.9 out of 5

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 at 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**) in the 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
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

MSOM SIG Conference, Montreal, Canada, Jun 2023 (scheduled)

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 (scheduled)

The 13th Conference of the Chinese Scholars Association for Management Science and Engineering, Shanghai, China, July 2021 (Online Presentation)

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

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

Conference Session Chair for

POMS Annual Conference, Orlando, FL, USA, 2023

INFORMS Annual Meeting, Indianapolis, IN, USA, 2022

INFORMS Annual Meeting, Houston, TX, USA, 2017

The LOGMS Conference, Hong Kong SAR, China, 2015

The LOGMS Conference, Singapore, 2013

Judge for Best Conference Paper Award, Member of the Program Committee

The 2019 LOGMS Conference, Singapore

Ad-hoc Referee for:

Management Science, Manufacturing & Service Operations Management, Production and Operations Management, Transportation Science, Decision Sciences, European Journal of Operational Research, IIE Transaction, International Journal of Production Economics, Naval Research Logistics, Omega, Operations Research Letters, Transportation Research Part B, Transportation Research Part E, among many other journals.