

CURRICULUM VITAE

Ying (Laura) Li, Ph.D.

Senior Lecturer

School of Industrial & Systems Engineering

Georgia Institute of Technology

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Education

Ph.D. in Operations Management, the University of Michigan, Ann Arbor, 2005

M.S. in Industrial & Operations Engineering, the University of Michigan, Ann Arbor, 2003

M.A. in Economics, Renmin University of China, Beijing, China, 1997

B.A. in Economics, Renmin University of China, Beijing, China, 1994

Academic Employment

January 2024 – present

Senior Lecturer

H. Milton Stewart School of Industrial & Systems Engineering
Georgia Institute of Technology

September 2019 – June 2023

Clinical Associate Professor

& SCMT undergraduate academic advisor
Dept. of Information & Operations Management
Mays Business School
Texas A&M University

September 2014 – August 2019

Clinical Assistant Professor

& SCMT undergraduate academic advisor
Dept. of Information & Operations Management
Mays Business School
Texas A&M University

September 2011 – August 2014

Clinical Assistant Professor

Dept. of Information & Operations Management
Mays Business School
Texas A&M University

September 2010 – August 2011

Lecturer

Dept. of Information & Operations Management
Mays Business School
Texas A&M University

January 2005 – August 2010

Assistant Professor

Dept. of Information & Operations Management
Mays Business School
Texas A&M University

Honors and Awards

- INFO Service Award, the Department of Information & Operations Management, Mays Business School, Texas A&M University, 2021
- Faculty Service Excellence Award, Mays Business School, Texas A&M University, 2018
- Recognized by the Texas A&M University Veteran Resource & Support Center as the most helpful faculty/staff member to veteran students in Year 2015
- Young Researcher Roundtable Participant, 2005, INFORMS conference on O.R. practice
- BCBSM student award grant, 2003-2004, Blue Cross Blue Shield Foundation Michigan
- Medical School Fellowship, 2002-2003, the University of Michigan Medical School
- Charles Gessner Scholarship, 1999, the University of Michigan Business School

Research Interests

- Data modeling for decision-making
- Capacity, technology, and inventory management
- Healthcare operations management

Publications

Papers published or accepted for publication in refereed journals

- [1] Lovejoy, W. S. and **Y. Li**, 2002, Hospital operating room capacity expansion, *Management Science*, Vol. 48, pp. 1369-1387.
- [2] **Li, Y.** and Y. Jin, 2009, Racing to market leadership: product launch and upgrade decisions, *International Journal of Production Economics*, Vol. 119, pp. 284-297
- [3] **Li, Y.**, S. Zhang, R.F. Baugh and J.Z. Huang, 2010, Predict surgery case durations using ill-conditioned CPT code matrix, *IIE Transactions*, Vol. 42, pp. 121-135
- [4] Jin, Y., D. Zilberman, A. Heiman and **Y. Li**, 2011, Willingness to pay for brands: a cross-region, cross-category analysis, *Agricultural Economics*, Vol. 42, pp. 141-152
- [5] **Li, Y.** and S. Gupta, Strategic capacity investments and competition for supply contracts, 2011, *European Journal of Operational Research*, Vol. 214, pp. 273-283
- [6] **Li, Y.** and R.F. Baugh, The impact of scheduling policies on surgical clinical access, 2012, *The Journal of Medical Practice Management*, Vol. 27, pp. 371-377
- [7] Hu, X., **Y. Li**, E. Byon, B. Lawrence, Prioritizing regular demand while reserving capacity for emergency demand, 2015, *European Journal of Operational Research*, Vol. 247, pp. 472-487
- [8] **Li, Y.**, Y. Liao, X. Hu, W. Shen, Lateral transshipment with partial request and random switching, 2020, *OMEGA: The International Journal of Management Science*, Vol. 92, <https://doi.org/10.1016/j.omega.2019.102134>

- [9] Cai, Z., **Y. Li**, Y. Y. Zhang, A network-based approach to examine the impact of within-city industry agglomeration on total factor productivity, 2020, *Quality Technology and Quantitative Management*, Vol. 17, pp. 738-746, <https://doi.org/10.1080/16843703.2020.1766741>
- [10] Liao, Y., J. Li, X. Hu, **Y. Li**, W. Shen, Application of lateral transshipment in cost reduction of decentralized systems, 2020, *Sustainability*, Vol. 12, <https://doi.org/10.3390/su12125081>
- [11] Saari, S., **Y. Li**, S. Avila, E. Knight, Identifying future partner agencies: helping Brazos Valley Food Bank in the fight against food insecurity, 2022, *Computational Urban Science*, Vol. 2, <https://doi.org/10.1007/s43762-022-00064-9>

Working Paper

- [12] **Li, Y.**, W. S. Lovejoy, and S. Gupta, Pre-auction investments by type-conscious agents, working paper.

Teaching Interests

At Georgia Institute of Technology

I have taught two distinct courses: ISYE 4112 (Workflow Design in Service & Manufacturing Systems, required for students in the Supply Chain Engineering Concentration of ISYE) and ISYE 4311 (Capital Investment Analysis, required for students in the Economic & Financial Systems Concentration of ISYE). I have also been involved in ISYE Senior Design (the capstone course for ISYE students) through various capacities:

- Advisor, Spring 2024
- Examiner, Fall 2024 – present
- Co-coordinator, Summer 2025 – present

Summary of Teaching Evaluations:

Have taught 3 sections of ISYE 4112 and the average rating is 4.89/5.

Have taught 2 sections of ISYE 4311 and the average rating is 4.85/5.

At Texas A&M University

I taught a variety of supply chain management courses at Texas A&M University from January 2005 to May 2023, from core business knowledge (CBK) to mandatory courses for the Supply Chain Management (SCMT) major, to elective SCMT coursework, and to introductory supply chain management course for Master students. Class sizes vary from Honors CBK sections with 20 to 30 students, to non-CBK supply chain courses with 20 to 60 students, and to regular CBK sections whose sizes can be anywhere between 70 and 220 students.

Summary of Teaching Evaluations:

Have taught 5 honors sections of SCMT 364 (Operations Management) and the average rating is 4.67/5. Have taught 24 regular sections of SCMT 364 (Operations Management), which is a CBK. The average rating across these sections is 4.46/5 while the average of the last 7 sections is 4.63/5.

Have taught 5 sections of INFO 660 (Introduction to Contemporary Manufacturing Management), which was required for MIS master students prior to 2014, and the average rating is 4.80/5.

Have taught 31 sections of SCMT 336 (Data, Analytics & Optimization), which is an elective for SCMT and MGMT majors, and the average rating is 4.65/5.

Have taught 9 sections of SCMT 345 (Business Process Design), which is required for SCMT majors, and the average rating is 4.62/5.

Conference Presentations

- “Should All Transshipment Demand Be Satisfied? -- Lateral Transshipment Strategy with Demand Switch”, INFORMS Annual Meeting, October 2017, Houston
- “Prioritizing Regular Demand while Reserving Capacity for Emergency Demand”, INFORMS Annual Meeting, October 2013, Minneapolis
- “A Simulation Analysis of Dedicated Emergency Operating Rooms”, POMS Annual Meeting, May 2008, San Diego
- “Strategic Timing of Product Launches”, INFORMS Annual Meeting, November 2007, Seattle
- “Mitigating Emergency Disruptions”, POMS Annual Meeting, May 2007, Dallas
- “Product-launch Strategies in Fast-changing, Technology-intensive Industries”, INFORMS Annual Meeting, November 2006, Pittsburgh
- “Schedule Reliability and Operating Room Capacity”, INFORMS Annual Meeting, November 2005, San Francisco
- “Pre-auction Investments”, INFORMS Annual Meeting, October 2004, Denver
- “Capacity Investments and Competitive Bidding in a Healthcare Setting”, INFORMS Annual Meeting, October 2003, Atlanta
- “Hospital Operating Room Capacity Expansion”, INFORMS Annual Meeting, November 2001, Miami

Industrial Experience

May 2007 – August 2007

I conducted a utilization and variability analysis for Scott & White’s main clinic in Temple, TX.

May 2002 -- August 2002

I designed and ran simulations that shed light on how a pilot program regarding operating room capacity expansion should be implemented for the University of Michigan Hospital.

July 1999 – April 2000

I interviewed surgeons, staff, and administrative personnel at the University of Michigan Hospital and ran simulations that compare various operating room capacity expansion proposals. The administration of the hospital awarded me a Medical School Fellowship to support my fifth year’s PhD study based on my performance during this period.

July 1997 -- July 1998

Executive assistant to Senior Vice President & General Counsel of AP - Schindler Holding AG, assisting with the management of various Schindler affiliates in China and assisting in conducting research on economic and monetary issues

Services

Serve as an undergraduate academic advisor for the Supply Chain Management (SCMT) major since fall 2014. Responsibilities include but are not limited to the following:

- Regularly meet and communicate with students regarding their course plans, degree requirement, and graduation clearances

- Prepare and submit adjustment requests for degree evaluations
- Review and approve change of major forms, minor approval and removal request forms, and Q-drop forms
- Evaluate and fulfill wait list requests
- Enforce pre-requisite and co-requisite requirement for SCMT courses
- Send out warning and/or block letters to students with major deficiencies and CBK deficiencies.
- Review syllabi for course equivalency approvals for study-abroad programs
- Enroll exchange students and transfer students into SCMT courses
- Represent the Information & Operations Management department at events like Aggieland Saturday, Major Exploration Night, New Student Conferences and Transfer Student Conferences

Served on the annual nominee selection committee for Brown-Rudder Award, Gates-Muller Award, and E. King Gill Award at Mays Business School, Texas A&M University, 2017 to present

Ad hoc reviewer for the following journals:

- *Management Science*
- *Naval Research Logistics*
- *Production & Operations Management*
- *European Journal of Operational Research*
- *International Journal of Production Economics*
- *Transportation Research*
- *Computers & Industrial Engineering*

- Session chair, annual INFORMS conference, San Diego, CA, 2009
- Session chair, annual DSI conference, Phoenix, AZ, 2007