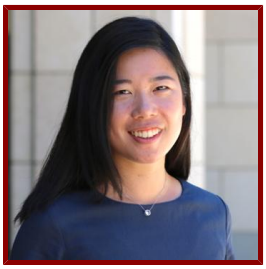
Stanford



Irene Lo

Assistant Professor of Management Science and Engineering

Bio

BIO

Irene is an assistant professor in Management Science & Engineering at Stanford University. Her research is on designing matching markets and assignment processes to improve market outcomes, with a focus on public sector applications and socially responsible operations research. She is also interested in mechanism design for social good and graph theory.

ACADEMIC APPOINTMENTS

- Assistant Professor, Management Science and Engineering

LINKS

- Personal Website: https://sites.google.com/view/irene-lo

Teaching

COURSES

2026-27

- Introduction to Game Theory: MS&E 232 (Spr)
- Introduction to Operations Management: MS&E 260 (Spr)
- Market Design and Resource Allocation in Non-Profit Settings: MS&E 366 (Win)

2025-26

- Introduction to Game Theory (Accelerated): MS&E 232H (Spr)
- Introduction to Operations Management: MS&E 260 (Spr)
- Senior Project: MS&E 108 (Win)

2024-25

- Introduction to Game Theory: MS&E 232 (Win)
- Introduction to Operations Management: MS&E 260 (Aut)
- Market Design and Resource Allocation in Non-Profit Settings: MS&E 366 (Aut)

2023-24

- Introduction to Game Theory (Accelerated): MS&E 232H (Win)
- Introduction to Operations Management: MS&E 260 (Win)

STANFORD ADVISEES

Doctoral Dissertation Advisor (AC)

Ivan-Aleksandar Mavrov, Anushka Murthy

Master's Program Advisor

Marten Bendick, Michael Zhang

Publications

PUBLICATIONS

- **Two-Sided Benefits of Price Transparency in Smallholder Supply Chains** *MANAGEMENT SCIENCE*
  Shi, Y., de Zegher, J. F., Lo, I. Y.
  2025
- **Editors' Introduction** *ACM SIGECOM EXCHANGES*
  Lo, I., Taggart, S.
  2025; 23 (1): 1-2
- **Quickest way to less headache days: an operational research model and its implementation for chronic migraine.** *BMC neurology*
  Lo, I., Zhang, P.
  2025; 25 (1): 132
- **Optimization Meets Participation: Iterative Zone Generation for School Assignment**
  Jeloudar, M. Y., Lo, I., Mentzer, K. L., ACM
  ASSOC COMPUTING MACHINERY.2025: 297
- **Commitment on Volunteer Crowdsourcing Platforms: Implications for Growth and Engagement** *M&SOM-MANUFACTURING & SERVICE OPERATIONS MANAGEMENT*
  Lo, I., Manshadi, V., Rodilitz, S., Shameli, A.
  2024
- **Editors' Introduction** *ACM SIGECOM EXCHANGES*
  Lo, I., Taggart, S.
  2023; 21 (1): 1-2
- **Rank-heterogeneous Preference Models for School Choice**
  Awadelkarim, A., Seshadri, A., Ashlagi, I., Lo, I., Ugander, J., ACM
  ASSOC COMPUTING MACHINERY.2023: 47-56
- **Blockchain Mediated Persuasion**
  Drakopoulos, K., Lo, I., Mulvany, J.
  2023: 538
- **Editors' Introduction** *ACM SIGECOM EXCHANGES*
  Lo, I., Talgam-Cohen, I.
  2022; 20 (2): 1-2
- **Editors' Introduction** *ACM SIGECOM EXCHANGES*
  Lo, I., Talgam-Cohen, I.
  2022; 20 (1): 1-2
- **Optimizing strategies for post-disaster reconstruction of school systems** *RELIABILITY ENGINEERING & SYSTEM SAFETY*
  Alisjahbana, I., Graur, A., Lo, I., Kiremidjian, A.
  2022; 219
- **Simple and Approximately Optimal Contracts for Payment for Ecosystem Services** *MANAGEMENT SCIENCE*
  Li, W., Ashlagi, I., Lo, I.

2022

- **Designing School Choice for Diversity in the San Francisco Unified School District**
  Allman, M., Ashlagi, I., Lo, I., Love, J., Mentzer, K., Ruiz-Setz, L., O'Connell, H.
  2022
- **Explaining a Potential Interview Match for Graduate Medical Education.** *Journal of graduate medical education*
  Wapnir, I., Ashlagi, I., Roth, A. E., Skancke, E., Vohra, A., Lo, I., Melcher, M. L.
  1800; 13 (6): 764-767
- **Invitation to Participate in the ACM Conference on Equity and Access in Algorithms, Mechanisms, and Optimization (EAAMO'21)** *SIGECOM EXCHANGES*
  Abebe, R., Lo, I., Stoica, A.
  2021; 19 (1): 10-11
- **The Cutoff Structure of Top Trading Cycles in School Choice** *REVIEW OF ECONOMIC STUDIES*
  Leshno, J. D., Lo, I.
  2021; 88 (4): 1582-1623
- **Decentralized Matching in a Probabilistic Environment** *Proceedings of the 22nd ACM Conference on Economics and Computation*
  Jeloudar, M. Y., Lo, I., Pollner, T., Saberi, A.
  2021
- **Dynamic Matching in School Choice: Efficient Seat Reassignment After Late Cancellations** *MANAGEMENT SCIENCE*
  Feigenbaum, I., Kanoria, Y., Lo, I., Sethuraman, J.
  2020; 66 (11): 5341–61
- **Benefits of an interview match for breast fellowship positions**
  Wapnir, I., Lo, I., Roth, A., Ashlagi, I., Melcher, M.
  SPRINGER.2019: 279–80
- **The extremal function for disconnected minors** *JOURNAL OF COMBINATORIAL THEORY SERIES B*
  Csoka, E., Lo, I., Norin, S., Wu, H., Yepremyan, L.
  2017; 126: 162-174
- **Decomposing and Clique-Coloring (Diamond, Odd-Hole)-Free Graphs** *JOURNAL OF GRAPH THEORY*
  Chudnovsky, M., Lo, I.
  2017; 86 (1): 5-41