



## Irene Lo

Assistant Professor of Management Science and Engineering

### Bio

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#### 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

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#### COURSES

##### 2023-24

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

##### 2022-23

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

##### 2021-22

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

##### 2020-21

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

## STANFORD ADVISEES

### Doctoral Dissertation Reader (AC)

Tristan Pollner

### Doctoral Dissertation Advisor (AC)

Mobin YahyazadehJeloudar

### Doctoral Dissertation Co-Advisor (AC)

Andrei Graur

### Master's Program Advisor

Tianyi Huang, Sophia Love, Ivan Toh, Makenna Turner, Eva Zhang, Michael Zhang

### Doctoral (Program)

Michael Hong, Ivan Aleksandar Mavrov, Anushka Murthy

## Publications

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## PUBLICATIONS

- **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
- **Rank-heterogeneous Preference Models for School Choice**  
Awadelkarim, A., Seshadri, A., Ashlagi, I., Lo, I., Ugander, J., ACM  
ASSOC COMPUTING MACHINERY.2023: 47-56
- **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)** *SI GECOM 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