

# Hang Jiang

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## Education

National University of Singapore, School of Computing, Dept. of Information Systems & Analytics	2021–present
Ph.D. Candidate, Information Systems	
Referees (Mentors): <u>Chen Jin</u> , <u>Jussi Keppo</u> , <u>Luyi Yang</u>	
Southern University of Science and Technology, Department of Mathematics	
M.S., Probability and Mathematical Statistics	2017–2019
Advisor: <u>Zhihong Xia</u>	
University of Science and Technology of China, <i>Special Class for the Gifted Young</i> ⚡	
B.S., Statistics	2012–2016

## Research Interests

Contract Theory; Mechanism Design; Incentive Aware AI; Optimization and Decision Analytics; Operations Research; Microeconomics; Human–AI Alignment

## Working Papers

**Hang Jiang**, Chen Jin, and Luyi Yang (2024). *Revisiting the First-Order Approach to Principal-Agent Problems.* ⚡

- ORSS Best Student Paper Award [Awarding Institution (certificate) ⚡]
- 2nd-round R&R at *Management Science*
- Extended Abstract in *Proceedings of the 25th ACM Conference on Economics and Computation* (EC'24) ⚡
  - Presented at the 25th ACM Conference on Economics and Computation [on YouTube ⚡]
  - Presented at the 7th World Congress of the Game Theory Society (GAMES 2024) ⚡

**Hang Jiang**, Jussi Keppo (2025). *The Human Roadblock to AI.* (available upon request)

- Under Review at *Science Advances* (Review Rate ≈ 16% ⚡)

**Hang Jiang**, Luyi Yang, and Chen Jin (2025). *Managing Sales Agents and Product Returns While Guarding Against Fake Orders.* ⚡

- Under review at *Marketing Science*
  - Presented at the 2025 INFORMS Annual Meeting

**Hang Jiang** (2025). *An Implementation Relaxation Approach to Principal-Agent Problems.* ⚡

- In preparation for submission
  - Presented at 2025 INFORMS International Conference

**Hang Jiang**, Jussi Keppo, Kimon Drakopoulos (2025). *Data Competition under the AI Flywheel Effect.*

- Manuscript in preparation

## Honors and Awards

ORSS Best Student Paper Award (Theory Track, **First Place**), Singapore 2025 ⚡ [Awarding Institution ⚡]

Finalist, Next-Gen Scholar's Symposium, Singapore 2025 [Finalist list ⚡]

Research Achievement Award, NUS School of Computing 2024 ⚡

Student Travel Grant, ACM EC Conference 2024

Research Incentive Award, NUS School of Computing 2023–2025

NUS Research Scholarship, NUS 2021–2025

Graduate Scholarship, SUSTech, 2017–2019

Outstanding Undergraduate Scholarship, USTC, 2012

## Professional Service

Journal Reviewer, *Management Science*.

## Memberships

Game Theory Society; ACM Special Interest Groups; Operational Research Society of Singapore (ORSS); INFORMS

## **Programming Languages & Tools**

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LLMs, Python, R, Stata, Mathematica, SQL, Git, LaTeX

## **Conference Presentations**

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- 2026 POMS-HK International Conference (Jan 2026, CUHK–Shenzhen)
- 2025 INFORMS Annual Meeting (Oct 2025, Atlanta)
- Next-Gen Scholar's Symposium, Analytics for X Conference 2025 (Sep 2025, NUS)
- 2025 INFORMS International Conference (Jul 2025, Singapore)
- Information Systems Summer Research Workshop 2025 (Jul 2025, Singapore)
- The 7th World Congress of the Game Theory Society (Aug 2024, Peking University)
- The 25th ACM Conference on Economics and Computation (Jul 2024, Yale University)

## **Teaching Experience**

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**Teaching Assistant**, School of Computing, NUS

- BT4013 Analytics for Capital Market Trading and Investment (2023)
- CS4246/CS5446 AI Planning and Decision Making (2023)
- IS4234 Governance, Regulation, and Compliance Technology (2022)
- FT5003 Blockchain Innovations (2022)
- IS4302 Blockchain and Distributed Ledger Technologies (2022)

**Teaching Assistant**, Department of Mathematics, SUSTech

- MA117 Calculus I (2018)
- MA212 Probability and Statistics (2017)

**Teaching Assistant**, USTC

- Calculus I (2015)

## **References**

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### **Chen Jin**

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School of Computing, National University of Singapore  
Email: disjinc@nus.edu.sg

### **Jussi Kepo**

Provost's Chair Professor and Head, Department of Analytics & Operations  
NUS Business School, National University of Singapore  
Email: keppo@nus.edu.sg

### **Luyi Yang**

Assistant Professor, Operations & IT Management Group  
Haas School of Business, University of California, Berkeley  
Email: luyiyang@haas.berkeley.edu