

LINGXUAN TANG

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📖 <https://lingxuantang.github.io/>

☆ Research Interests: Game Theory and Applications, Graph Machine Learning

EDUCATION BACKGROUND

- 09/2021 - 10/2025 **City University of Hong Kong**
(expected) Ph.D candidate. in the Department of Systems Engineering
Advisor: **Prof. Chuangyin Dang**(top 2% highly cited scientists)
Research Interests: Game Theory and Applications, Systems Modeling and Optimization, Economics and Computation
- 09/2017 - 08/2021 **Harbin Institute of Technology**
B.E. degree in Automation
Advisor: **Prof. Yunjiang Lou**
Research Interests: Robotics and Motion Control
Advisor: **Prof. Gangyan XU**
Research Interests: Dynamic Decision-Making, Collaborative Systems, Complex Networks

PUBLICATIONS

- [1] **Tang, L.**, Luo, R., Zhou, Z., & Colombo, N. (2025). Enhanced route planning with calibrated uncertainty set. Machine Learning, 114(5), 1-16.
- [2] Jian, Z., Zhu, F., & **Tang, L.** (2020, July). Research on human body recognition and position measurement based on AdaBoost and RGB-D. In 2020 39th Chinese Control Conference (CCC) (pp. 5184-5189). IEEE.
- [3] **Tang, L.**, Shao, S., & Xu, G. (2020). Facility location optimization for front distribution center in pharmaceutical logistics with scenario modelling. Annual International Conference for Chinese Scholars in Industrial Engineering (CSIE)

Paper under review:

- [1] **Tang, L.**, Cao, Y., Dang, C. An Extension of Harsanyi's Linear Tracing Procedure for Selecting a Proper Equilibrium. Submitted to Game Economic and Behavior.

CURRENT PROJECTS

- 12/2024 - now Convergence and Regret Analysis of UCB in Coordination Games with Unique Payoff-Dominant Equilibrium

ACADEMIC SERVICE (REVIEWER)

International Conference on Intelligent Control and Information Processing (ICICIP)

CONFERENCE PRESENTATIONS

20/10/2024 - 23/10/2024	The 2024 INFORMS Annual Meeting Type of Participation: Poster
20/11/2020 - 22/11/2020	Annual International Conference for Chinese Scholars in Industrial Engineering (CSIE2020) Type of Participation: Oral Sessions

TEACHING EXPERIENCE

09/2022 – 12/2022	Teacher in ADSE5010 Eng Mgt Princpls and Concepts at CityU, Hong Kong
01/2023 – 05/2023	Teacher in ADSE2100 Engr. Statistics & Exper'ation at CityU, Hong Kong
01/2024 – 05/2024	Teacher in ADSE4005 Indu Data & Manufact'g Analyt CityU, Hong Kong.

WORKING EXPERIENCE

07/2020 – 09/2020	Algorithm Intern in CommaTech , Shenzhen, China. Responsibilities: Solving Facility Location Problem Based on Scenario Modeling
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AWARDS

11/2020	Best application paper award in Annual International Conference for Chinese Scholars in Industrial Engineering
07/2019 - 08/2019	Special Scholarship of the International Exchange Program
09/2017 - 09/2018	Second Prize for the great performance in the Freshmen Year Project
05/2019 - 10/2020	PC in Harbin Institute of Technology (2019)" national innovation training program for college students" - National Level
09/2019 - 06/2020	The Third Prize Scholarship for outstanding students of Harbin Institute of Technology