

Houyu Zhou

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PROFESSIONAL EXPERIENCE

Postdoctoral Fellow

UNSW Sydney, Australia

Jul 2024 - current
Supervisor: Toby Walsh

Research Assistant

City University of Hong Kong, Hong Kong SAR

Jun 2024 - Jul 2024
Supervisor: Minming Li

Visiting Student

John Hopcroft Center for Computer Science, Shanghai Jiao Tong University, China

Jul 2023 - Jan 2024
Host: Biaoshuai Tao

EDUCATION

Doctor of Philosophy

City University of Hong Kong, Hong Kong SAR

Sep 2020 - Jun 2024
Supervisor: Minming Li

Bachelor of Engineering

Shandong University, Shandong, China

Sep 2016 - Jun 2020
Computer Elite Class

RESEARCH INTERESTS

Algorithmic Mechanism Design, Computational Social Choice, Artificial Intelligence

TEACHING

CS3334 Data Structures

Teaching Assistant, Undergraduated level

City University of Hong Kong, Hong Kong SAR
Sep 2020 - June 2024

- Teaching tutorials
- Marking assignments
- Providing teaching support to the courses

CS6382 Algorithm Analysis and Game Theory

Teaching Assistant, Graduated level

City University of Hong Kong, Hong Kong SAR
Sep 2020 - June 2024

- Assisting Lecturer at tutorials
- Marking assignments
- Providing teaching support to the courses

PROFESSIONAL SERVICE

Program Committee

AAAI'25, AAI'24, IJCAI'24

Reviewer

Journal of Artificial Intelligence (AIJ)

Journal of Artificial Intelligence Research (JAIR)

Journal of Combinatorial Optimization (JoCO)

WORKING PAPERS

* Asterisks denote alphabetical order of authors (why?)

The Degree of (Extended) Justified Representation and Its Optimization

Biaoshuai Tao, Chengkai Zhang, Houyu Zhou*

Facility Location Games with Competitors

Cheng Peng, Houyu Zhou*

Likelihood of the Existence of Average Justified Representation

Qishen Han, Biaoshuai Tao, Lirong Xia, Houyu Zhou*

Facility Location Games with Task Allocation

Zifan Gong, Minming Li, Houyu Zhou*

PUBLICATIONS

* Asterisks denote alphabetical order of authors (why?)

Positive Intra-Group Externalities in Facility Location Ying Wang, Houyu Zhou, Minming Li	AAMAS 2024 Full Paper
Facility Location Games with Task Allocation Zifan Gong, Minming Li, Houyu Zhou*	AAMAS 2024 Extended Abstracted
Altruism in Facility Location Problems Houyu Zhou, Hau Chan, Minming Li	AAAI 2024 Full Paper, Oral Presentation
Fair Allocation of Items in Multiple Regions Houyu Zhou, Tianze Wei, Biaoshuai Tao, Minming Li	AAAI 2024 Full Paper, Oral Presentation
Facility Location Games with Thresholds Houyu Zhou, Guochuan Zhang, Lili Mei, Minming Li	AAMAS 2023 Full Paper
Altruism in Facility Location Problems Houyu Zhou, Hau Chan, Minming Li	AAMAS 2023 Extended Abstract
Facility Location Games with Group Externalities Houyu Zhou	COCOON 2022 Full Paper
Strategyproof Mechanisms For Group-Fair Facility Location Problems Houyu Zhou, Minming Li, Hau Chan	IJCAI 2022 Full Paper, Long Oral Presentation
Facility Location With Approval Preferences: Strategyproofness and Fairness Edith Elkind, Minming Li, Houyu Zhou*	AAMAS 2022 Full Paper

AWARDS

Outstanding Academic Performance Award of CityU	2023
Research Tuition Scholarship of CityU	2023
AAMAS Scholarship	2023
Research Tuition Scholarship of CityU	2022
AAMAS Scholarship	2022
AAMAS Scholarship	2021
3rd Prize (National), Mathematics Modeling and Cross Contest	2018
1st Class Scholarship of Shandong University	2017

REFEREES

Minming Li

Professor

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City University of Hong Kong

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Toby Walsh

Scientia Professor

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UNSW Sydney

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Haris Aziz

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Edith Elkind

Professor

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Biaoshuai Tao

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