

Donghao Zhu

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EDUCATION

- Technical University of Munich, Germany** 2019 –
TUM School of Management/Department of Informatics
Ph.D. candidate in Managerial Science and Applied Economics
Committee: Dr. Stefan Minner and Dr. Martin Bichler
- The University of Tokyo, Japan** 2016 – 2019
Graduate School of Arts and Sciences
M.Sc. in Multidisciplinary Sciences (Math & Computer Sciences)
Advisor: Dr. Naonori Kakimura
- SooChow University, China** 2012 – 2016
B.A. in Engineering (Honors Program)

RESEARCH INTERESTS

Applied Economy: Platform Economics, Matching Theory, Queueing Theory, Pricing, Market Design, Policy & Data Analysis
Methodology: Stochastic Modeling & Optimization, Agent-based Simulation, Reinforcement Learning
Theoretical Computer Science: Complexity Analysis, Approximation Algorithm Design

WORKING PAPERS

1. **D. Zhu**, S. Minner, M. Bichler. Platform Information Design: A Queueing-Theoretic Approach to Online Freight Matching. *To be submitted, 2022.*
2. J. Baumler, M. Bullinger, S. Kober, **D. Zhu**. High Satisfaction in Thin Dynamic Matching Markets. *To be submitted, 2022.*

PROCEEDINGS

1. N. Kakimura and **D. Zhu**. Dynamic Bipartite Matching Market with Arrivals and Departures. *ACM WINE (Web and Internet Economics), 2021.*

WORK-IN-PROGRESS

Available upon request.

TEACHING EXPERIENCE

- Teaching Assistant, TUM School of Management
- Advanced Seminar Operations & Supply Chain Management 2021

CONFERENCE PRESENTATIONS & INVITED TALKS

- Information Design
- AdONE Retreat Seminar, TUM, Germany Oct 2020, Dec 2021
 - MSOM Conference, Germany. June 2022
- Dynamic Matching Market

- AdONE Retreat Seminar, TUM, Germany Oct 2019
- ACM WINE 2021 Conference, Virtual Dec 2021
- UTMD Seminar (Virtual), UTokyo, Japan. June 2022

STUDENT ADVISING

Senior Thesis Advising:

- Laurin Krusselberg, Master in Management & Technology, Technical University of Munich 2021
- Eloise Gilbert, Master in Management & Innovation, Technical University of Munich 2021

Master Thesis:

- Laurin Krusselberg, Technical University of Munich 2022
- Susanne Baur, Technical University of Munich 2020

Bachelor Thesis:

- Ricardo Vera, Technical University of Munich 2021
- Izel Teker and Irina Lyan, Technical University of Munich 2020

SKILLS

Programming/Software: Python, C, R, Gurobi, Matlab, Julia, html, L^AT_EX

REFERENCES

Available upon request.