

# Donghao Zhu

website.

donghao.zhu@in.tum.de

## EDUCATION

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- 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

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

## PUBLICATIONS

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

## WORKING PAPERS

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Available upon request.

## WORK-IN-PROGRESS

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Available upon request.

## TEACHING EXPERIENCE

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

## CONFERENCE PRESENTATIONS

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- Dynamic Matching Market
- ACM WINE 2021 Conference, Virtual Dec 2021

## STUDENT ADVISING

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- 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:

- 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

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Programming/Software: Python, C, R, Matlab, Julia, html, L<sup>A</sup>T<sub>E</sub>X

## REFERENCES

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Available upon request.