

# Di Feng

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## Positions

- 2023-present **Postdoctoral Fellow**, *Simons Laufer Mathematical Sciences Institute (SLMath) formerly Mathematical Sciences Research Institute (MSRI)*, Berkeley, USA.
- 2023-present **Junior Research Fellow**, *Research Institute for Economics and Business Administration*, Kobe University, Japan.

## Past Employment

- 2020-2023 **Swiss National Science Foundation (SNSF) funded researcher**.
- 2018-2023 **Teaching Assistant**, *Department of Economics*, University of Lausanne (HEC), Switzerland.
- 2015-2016 **Teaching Assistant**, *Department of Economics*, Yokohama National University, Japan.
- 2016 **Research Assistant**, *Department of Economics*, Yokohama National University, Japan. work with Prof. Taro Kumano

## Education

- 2023 **Ph.D. in Economics**, *University of Lausanne (HEC)*, Switzerland.  
Dissertation Committees: Bettina Klaus (advisor), Flip Klijn, Rustamdjan Hakimov, and William Thomson.
- 2019 **Alumni**, *Swiss Program for Doctoral Students in Economics*, Study Center Gerzensee.
- 2018 **M.Res. Economics**, *Universitat Autònoma de Barcelona*, Spain.
- 2016 **M.A. Economics**, *Yokohama National University*, Japan.
- 2013 **B.S. Management & Information Sciences**, *Josai International University*, Japan.
- 2013 **B.A. linguistics (Japanese)**, *Tianjin University of Technology*, China.

## Research Interests

General area	Microeconomics	Artificial Intelligence	Applied Mathematics
Methodology	Game Theory	Operations Research	Experimental Economics
Research Topics	Market Design	Digital Economics	Behavioral Economics
Google Scholar	<a href="https://scholar.google.com/citations?user=3bhjYoUAAAAJ">https://scholar.google.com/citations?user=3bhjYoUAAAAJ</a>		

## Research Papers (Economics)

### Publications (peer-reviewed)

- P1 Preference Revelation Games and Strict Cores of Multiple-type Housing Market Problems (with Bettina Klaus) *International Journal of Economic Theory (Special Issue in Honor of William Thomson)*, 18.1 (2022): 61-76.
- P2 On the Asymptotic Performance of Affirmative Actions in School Choice (with Yun Liu and Gaowang Wang) *Annals of Economics and Finance*, Forthcoming

### Working Papers

- JMP-1 Efficiency in Multiple-type Housing Markets, 2023, arxiv 2308.14989  
*SING 18 Prize (2023)*
- JMP-2 Endowments-swapping-proofness in Multiple-type Housing Markets, RIEB Discussion Paper No.2023-14  
*Kanematsu Prize (2022)*
- W1 A characterization of the Coordinate-wise Top-Trading-Cycles Mechanism for Multiple-type Housing Markets, Barcelona School of Economics Working Paper 1341  
(with Bettina Klaus and Flip Klijn)  
*R&R Games and Economic Behavior*  
\*An extended abstract appeared in the proceedings of the 6th International Workshop on Matching Under Preferences (MATCH-UP2022).
- W2 War and Peace in the Boardroom: Pre-Vote Communication, Herding Behavior, and Boardroom Politics, 2022  
(with Shusen Qi, and Hang Sun)

## Research Papers (Operations Research)

### Publications (peer-reviewed)

- P2 Impatient Queuing for Intelligent Task Offloading in Multi-Access Edge Computing  
(with Bin Han, Yihua Xu, Vincenzo Sciancalepore, and Hans D. Schotten), *IEEE Transactions on Wireless Communications* 22.1 (2023): 59-72
- P3 Multiservice-based Network Slicing Orchestration with Impatient Tenants  
(with Bin Han, Vincenzo Sciancalepore, Xavier Costa-Perez, and Hans D. Schotten)  
*IEEE Transactions on Wireless Communications* 19.7 (2020): 5010-5024
- P4 A Markov Model of Slice Admission Control,  
(with Bin Han, Vincenzo Sciancalepore, Xavier Costa-Perez, and Hans D. Schotten)  
*IEEE Networking Letters* 1.1 (2018): 2-5
- P5 A Utility-driven Multi-Queue Admission Control Solution for Network Slicing  
(with Bin Han, and Hans D. Schotten) In Proceedings of the *IEEE INFOCOM-2019*

### Working Papers

- W5 A Profit-Maximizing Strategy of Network Resource Management for 5G Tenant Slices, 2018, arxiv 1709.09229  
(with Bin Han, Lianghai Ji, and Hans D. Schotten)

## Professional Activities

- Memberships Econometric Society, Society for Economic Design, Society for the Advancement of Economic Theory
- Referee Activities Social Choice and Welfare, Mathematical Social Sciences, Review of Economic Design, Games and Economic Behavior, Journal of Economic Behavior and Organization

## Academic Presentations (including upcoming talks)

- 2023 Simons Laufer Mathematical Sciences Institute, Berkeley, USA
- 2023 22nd Annual SAET Conference, Paris, France
- 2023 18th European Meeting on Game Theory (SING18), Messina, Italy
- 2023 13th Conference on Economic Design (CED), Girona, Spain
- 2023 12th Lisbon Meetings in Game Theory and Applications, Lisbon, Portugal
- 2023 Wuhan University, Wuhan, China
- 2023 Huazhong University of Science and Technology, Wuhan, China

- 2023 Shanghai University of International Business and Economics, Shanghai, China
- 2023 Nanjing Audit University, Nanjing, China
- 2023 Game Theory Workshop 2023, hosted by Hitotsubashi University, Tokyo, Japan
- 2022 Theory Workshop at University of Rochester, Rochester, USA
- 2022 Gerzensee Alumni Conference, Gerzensee, Switzerland
- 2022 Annual Meeting of the Association of Southern European Economic Theorists, Greece
- 2022 Micro Lab Seminar at Autonomous University of Barcelona (UAB), Barcelona, Spain
- 2022 6th International Workshop on Matching Under Preferences, Vienna, Austria
- 2022 Asia Meeting of the Econometric Society (AMES), Tokyo, Japan
- 2022 CEFM Seminar at Waseda University, Tokyo, Japan
- 2022 Economic Theory Workshop at Hitotsubashi University, Tokyo, Japan
- 2022 Institute of Social and Economic Research, Osaka University, Osaka, Japan
- 2022 Workshop on Microeconomics and Game Theory at Kyoto University, Kyoto, Japan
- 2022 Conference on Mechanism and Institution Design (CMID), Singapore
- 2022 12th Conference on Economic Design (CED), Padua, Italy
- 2022 Lausanne Matching and Market Design Workshop 2022, Lausanne, Switzerland
- 2022 Market Design Seminar Series, hosted by University of Tokyo Market Design Center
- 2022 2nd URV Workshop on Game Theory, Reus, Spain
- 2021 Southwestern University of Finance and Economics, Chengdu, China
- 2021 Shandong University, Jinan, China
- 2020 Financial Stability Workshop, hosted by Dongbei University of Finance and Economics
- 2020 Quarantined Game Theory Conference, hosted by Hebrew University of Jerusalem
- 2019 11th Conference on Economic Design (CED), Budapest, Hungary
- 2018 Dongbei University of Finance and Economics, Dalian, China

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## Scholarships, Grants, Honors & Awards

- 2023 SING Best Student Paper Prize, 18th European Meeting on Game Theory
- 2023 Postdoctoral Fellowship, from Simons Laufer Mathematical Sciences Institute (SLMath) formerly Mathematical Sciences Research Institute (MSRI)
- 2022 Kanematsu Prize, Research Institute of Economics and Business Administration (RIEB), Kobe University
- 2020-2023 Member of Swiss National Science Foundation (SNSF) Project 100018\_192583 (principal investigator: Bettina Klaus)
- 2016 BGSE Severo Ochoa Fellowship, from Barcelona School of Economics
- 2012 JASSO Honors Scholarship, from Japan Student Services Organization

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## Languages

Mandarin Chinese (native), Japanese, English

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## References

**Bettina Klaus (advisor)**

Faculty of Business and Economics  
University of Lausanne  
CH-1015 Lausanne, Switzerland  
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**William Thomson**

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**Flip Klijn**

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