

PEI Ting

Department of Economics
National University of Singapore

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Education

- National University of Singapore** 2016 - 2021
Ph.D. in Economics
Dissertation: *Essays on Game Theory*
Advisors: Satoru Takahashi (Chair), Yi-Chun Chen, Xiao Luo
- National University of Singapore** 2012 - 2016
Bachelor of Science with Honours (First Class)
Applied Mathematics (Double Major in Economics)
- Technical University of Munich** 2015
Student Exchange Programme

Employment

- Department of Economics, National university of Singapore
- Research Assistant** 2021 - Present
- Full Time Teaching Assistant** 2020 - 2021

Research and Teaching Interests

Game Theory, Microeconomics, Information Transmission, Network

Publication

- Rationalizable strategies in random games (with Satoru Takahashi). *Games and Economic Behavior*, 118:110-125, 2019

Working Paper

- Job Market Paper: A Messenger in a Group [[pdf](#)]
In an environment with an informed expert and a group of uninformed agents coordinating, we study how the expert chooses a messenger from the group to communicate information to the entire group. Within the group, both coordination and conflict of interest exist. For a given messenger, any equilibrium is characterized by the partitions of the state space that captures the information transmission among the expert, the representative, and the whole group. The expert's conflict of interest with the whole group and the messenger's conflict of interest with his neighbors play crucial roles in the information transmission. We show that the set of partitions of equilibria expands in two directions with respect to the conflict of interest between the messenger and his neighbors. We also show that when two agents have symmetric conflicts of interest with their neighbors, under certain condition, the agent with the same direction of conflict of interest as the expert's reaches a larger set of equilibrium partitions than the other.
- Nash Equilibria in Random Games with Right Fat-Tailed Distributions (with Satoru Takahashi). R&R at *International Journal of Game Theory*

Professional Activities

- Corrigendum for a paper published in Theoretical Economics: “On the Strategic Use of Attention Grabbers”, (with Kfir Eliaz & Ran Spiegler), 2017 ([link](#))
- Referee Service: Economic Theory, Journal of Mathematical Economics, Journal of Economic Behavior & Organization, Theory and Decision, Mathematical Social Science
- Invited Presentation
 - 2019, Asian Meeting of the Econometric Society (AMES)
 - 2019, 19th Annual conference of the Society for the Advancement of Economic Theory (SAET)
- Assist in organizing NUS econ theorist alumni conference 2020 & 2021

Teaching Experience

Department of Economics, National University of Singapore

Teaching Assistant:

EC3101 Microeconomics II (UG)	20/21 Sem1
EC3102 Macroeconomics II (UG)	20/21 Sem2
EC3312 Game Theory (UG)	17/18 Sem1 & 19/20 Sem2
EC5104 Mathematical Economics (G)	17/18 Sem1 & 19/20 Sem1
EC5101 Advanced Microeconomics I (G)	18/19 Sem1
EC6101 Advanced Microeconomics II (G)	19/20 Sem1

Honors and Awards

NUS Graduate Research Scholarship	2016 - 2020
NUS Dean’s list	2012 – 2015
Singapore Senior Middle 2 Scholarship	2010 – 2016

Others

- Skills: Matlab, Mathematica, LaTeX
- Languages: Mandarin (native), English (fluent)
- Interests: Badminton, Movies

References

[Satoru Takahashi](#) (Supervisor)
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[Yi-Chun Chen](#)
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