Department of Systems Engineering
香港城市大學
City University of Hong Kong

Correlated Pairwise Stability in Network Formation Games

Networks are at the forefront of research in economics and operations research as powerful tools to model social and economic interactions. While computing equilibria in network formation games is generally very hard, we combine the concept of pairwise stability and correlated equilibria and propose the notion of correlated pairwise stability. We show that correlated pairwise stable networks can be a Pareto improvement of pairwise stable networks, and their computation is much easier.

12 August, 2025 (Tue)

4:30PM - 5:30PM

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Speaker

Dr. ZHAN Yang
Assistant Professor
Nanjing University, China

Dr. ZHAN Yang is an Assistant Professor at Nanjing University. He obtained his Bachelor's degree from the University of Science and Technology of China in 2015 and his Ph.D. from CityU of Hong Kong in 2019. His research interests include operations research, game theory, and supply chain management. His research has been published in Mathematical Programming and INFORMS Journal on Computing.

Enquiry: 3442 8422 | All are welcome

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