Algorithmics of Fair Division and Social Choice
Workshop on Voting, Matching, and Preference Aggregation

(9–13 December 2024)

ORGANIZING COMMITTEE

<u>Co-chairs</u>

Xiaohui Bei
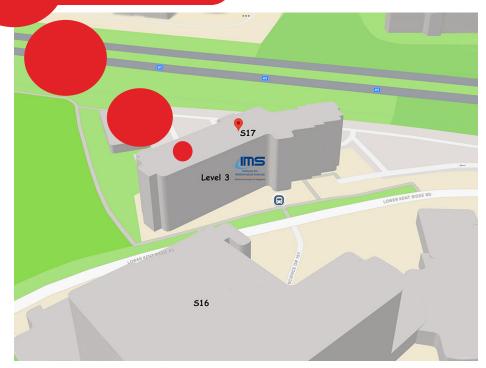*Nanyang Technological University*

Edith Elkind
University of Oxford

Warut Suksompong
National University of Singapore

Venue
IMS Executive Seminar Room
Block S17, Level 3
10 Lower Kent Ridge Rd
Singapore 119076

Registration

For more information: https://ims.nus.edu.sg/events/algorithmics-of-fair-division-and-social-choice/

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Monday, 9 December 2024

Time	Title	Speaker
0900–0930	Registration	
0930–1015	Two stories about distortion in social choice	Ioannis Caragiannis *Aarhus University, Denmark*
1015–1100	Facility Location Games with Scaling Effects	Alexander Lam *City University of Hong Kong, Hong Kong SAR*
1100–1130	Coffee Break	
1130–1215	Stability in Random Hedonic Games	Martin Bullinger *University of Oxford, UK*
1215–1430	Lunch Break	
1430–1515	Collective Decision-Making for Improving Accessibility to Facilities	Hau Chan *University of Nebraska-Lincoln, USA*
1515–1600	Preference Aggregation on the Probability Simplex	Matthias Greger *Technical University of Munich, Germany*

Tuesday, 10 December 2024

Time	Title	Speaker
0900–0915	Registration	
0915–1000	Some recent results on super-stable matchings	Naoyuki Kamiyama *Kyushu University, Japan*
1000–1045	The Median Procedure – a Universal Aggregation Rule?	William Zwicker *Union College, USA*
1045–1115	Group Photo & Coffee Break	
1115–1200	Popular Matching under Matroid and Optimality Constraints	Yu Yokoi *Tokyo Institute of Technology, Japan*
1200–1400	Lunch Reception at IMS	
1400–1445	Couples can be tractable: New algorithms and hardness results for the Hospitals / Residents problem with Couples	David Manlove *University of Glasgow, UK*

Tuesday, 10 December 2024		
Time	**Title**	**Speaker**
1445–1530	Fair Rank Aggregation	Diptarka Chakraborty *National University of Singapore, Singapore*

Wednesday, 11 December 2024		
Time	**Title**	**Speaker**
0900–0915	Registration	
0915–1000	Stable Matching in Practice: Daycare Matching Markets in Japan	Zhaohong Sun *Kyushu University, Japan*
1000–1045	Winner Determination and Strategic Control in Conditional Approval Voting	Vangelis Markakis *Athens University of Economics and Business, Greece*
1045–1115	Coffee Break	
1115–1200	Irrelevant alternatives are relevant	Jérôme Lang *Université Paris Dauphine, France*
1200–1400	Lunch Break	
1400–1445	Achieving Envy-Freeness through Items Sale	Vittorio Bilò *University of Salento, Italy*
1445–1530	Fairness in Assignments with Congestion-Averse Agents: Concepts, Algorithms, and Complexity	Jiehua Chen *Technische Universität Wien, Austria*

Thursday, 12 December 2024		
Time	**Title**	**Speaker**
0900–0915	Registration	
0915–1000	A Generalised Theory of Proportionality in Collective Decision Making	Piotr Skowron *University of Warsaw, Poland*
1000–1045	Reducing Leximin Fairness to Utilitarian Optimization	Erel Segal-Halevi *Ariel University, Israel*
1045–1115	Coffee Break	
1115–1200	Proportional Clustering and Social Choice	Jannik Peters *National University of Singapore, Singapore*
1200–1400	Lunch Break	
1400–1445	Monotone Randomized Apportionment	Ulrike Schmidt-Kraepelin *TU Eindhoven, Netherlands*

Thursday, 12 December 2024		
Time	Title	Speaker
1445–1530	Aggregating Preferences with Limited Queries	Daniel Halpern *Harvard University, USA*

Friday, 13 December 2024		
Time	Title	Speaker
0940	*Excurson to Vivocity &/ Sentosa* 1-way transfer from Village Hotel Albert Court -> Vivocity Things to do: **Drop by Sentosa Island:** https://www.sentosa.com.sg/en/things-to-do/attractions **Happenings at Vivocity:** https://www.vivocity.com.sg/happenings/christmas-playtime Please register here for the 1-way transfer	

This schedule is accurate as of 11 Dec 2024 and is subjected to changes.