Algorithmics of Fair Division and Social Choice
Workshop on Fair Division

(25–29 November 2024)

ORGANIZING COMMITTEE

Co-chairs

Xiaohui Bei
Nanyang Technological University

Edith Elkind
University of Oxford

Warut Suksompong
National University of Singapore

Registration

Venue

IMS Auditorium
Institute for Mathematical Sciences
3 Prince George's Park Singapore 118402

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

Algorithmics of Fair Division and Social Choice Workshop on Fair Division **(25–29 November 2024)**

Monday, 25 November 2024

Time	Title	Speaker
0900–0930	Registration	
0930–1015	Fair allocation of indivisible chores	Jugal Garg *University of Illinois Urbana-Champaign, USA*
1015–1100	Fair Division for Random Utilities	Pasin Manurangsi *Google Research, Thailand*
1100–1130	Coffee Break	
1130–1215	Temporal Fair Division of Indivisible Items	Nicholas Teh *University of Oxford, UK*
1215–1430	Lunch Break	
1430–1515	Envy-free policy teaching to multiple agents	Jiarui Gan *University of Oxford, UK*
1515–1600	Truthful and Almost Envy-Free Mechanism of Allocating Indivisible Goods: the Power of Randomness	Biaoshuai Tao *Shanghai Jiao Tong University, China*

Tuesday, 26 November 2024

Time	Title	Speaker
0900–0915	Registration	
0915–1000	MMS Allocation of Indivisible Chores with Subadditive Valuations and the Fair Surveillance Assignment Problem	Bo Li *Hong Kong Polytechnic University, Hong Kong SAR*
1000–1045	How fair can strategy-proof fair division be?	Jérôme Lang *Université Paris Dauphine, France*
1045–1115	Group Photo & Coffee Break	
1115–1200	Fair Allocation with Binary Valuations for Mixed Divisible and Indivisible Goods via Hybrid Convex Optimization	Hanna Sumita *Tokyo Institute of Technology, Japan*
1200–1400	**Lunch Reception at IMS**	
1400–1445	Fair Interval Scheduling of Indivisible Chores	Rohit Vaish *Indian Institute of Technology Delhi, India*

Tuesday, 26 November 2024		
Time	**Title**	**Speaker**
1445–1530	Envy-Free Cake-Cutting for Four Agents	Alexandros Hollender *University of Oxford, UK*

Wednesday, 27 November 2024		
Time	**Title**	**Speaker**
0900–0915	Registration	
0915–1000	Fair Allocation of Chores with Subsidy	Xiaowei Wu *University of Macau, Macau SAR*
1000–1045	Cutsets and EF1 fair division of graphs, continued	William Zwicker *Union College, USA*
1045–1115	Coffee Break	
1115–1200	Pushing the Frontier on Approximate EFX Allocations	Georgios Amanatidis *University of Essex, UK*
1200–1400	Lunch Break	
1400–1445	Six Candidates Suffice to Win a Voter Majority	Adrian Vetta *McGill University, Canada*
1445–1530	Fairness in real-estate division	Erel Segal-Halevi *Ariel University, Israel*

Thursday, 28 November 2024		
Time	**Title**	**Speaker**
0900–0915	Registration	
0915–1000	Attaining EF1 Allocations by Exchanging Goods	Sherman Yuen *National University of Singapore, Singapore*
1000–1045	On the Theoretical Foundations of Data Exchange Economies	Bhaskar Ray Chaudhury *University of Illinois Urbana-Champaign, USA*
1045–1115	Coffee Break	
1115–1200	Best-of-Both-Worlds Fair Allocation of Indivisible and Mixed Goods	Xinhang Lu *University of New South Wales, Australia*
1200–1400	Lunch Break	
1400–1445	Proportionality up to the Least Valued Good on Average	Ryoga Mahara *The University of Tokyo, Japan*
1445–1530	The Random Assignment Problem Under Constraints	Yasushi Kawase *The University of Tokyo, Japan*

Friday, 29 November 2024		
Time	**Title**	**Speaker**
0940	*Excurson to Gardens By The Bay* 1-way transfer from Village Hotel Albert Court -> GBTB Please register here for the 1-way transfer	

This schedule is accurate as of 13 Nov 2024 and is subjected to changes.