**SAGT 2022 – Program**

**Venue: STEM building, University of Essex Campus**

**Room: STEM 3.1**

**Monday, September 12**

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| 09:00 – 09:30 | Registration – Coffee |
| 09:30 – 12:30  (coffee break: 10:50 – 11:20) | **Tutorial** *Aris Filos-Ratsikas and Alexandros Hollender* Total Search Problems in Game Theory and Economics |
| 12:30 – 14:00 | Lunch |
| 14:00 – 17:00  (coffee break:  15:20 – 15:50) | **Tutorial**  *Rohit Vaish*  Fair Division of the Indivisibles |
| 17:00 – 19:00 | Welcome Reception |

**Tuesday, September 13**

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| 09:00 – 09:30 | Registration – Coffee |
| 09:30 – 10:30 | Sigal Oren – Algorithmic Game Theory Meets Behavioral Economics  Chair: Panagiotis Kanellopoulos |
| 10:30 – 10:50 | Coffee break |
| 10:50 – 12:30 | Chair: Carmine Ventre  *Sumit Goel and Wade Hann-Caruthers* Optimality of the coordinate-wise median mechanism for strategyproof facility location in two dimensions  *Ruben Brokkelkamp, Sjir Hoeijmakers and Guido Schäfer* Greater Flexibility in Mechanism Design Through Altruism  *Michal Feldman, Nick Gravin, Zhihao Gavin Tang and Almog Wald* Lookahead Auctions with Pooling  *Reshef Meir and Riccardo Baldeschi* Explicitly Simple Near-tie Auctions  *Sophie Klumper and Guido Schäfer* Budget Feasible Mechanisms for Procurement Auctions with Divisible Agents |
| 12:30 – 14:00 | Lunch |
| 14:00 – 15:40 | Chair: Guido Schäfer  *Jack Dippel and Adrian Vetta* An Improved Bound for the Tree Conjecture in Network Creation Games  *Fuga Kiyosue and Kenjiro Takazawa* A common generalization of budget games and congestion games  *Shaul Rosner and Tami Tamir* Cost-Sharing Games with Rank-Based Utilities  *Qian Wang* On Tree Equilibria in Max-Distance Network Creation Games  *Yichen Yang, Kai Jia and Martin Rinard* On the Impact of Player Capability on Congestion Games |
| 15:40 – 16:00 | Coffee break |
| 16:00 – 17:20 | Chair: Reshef Meir  *Ronen Gradwohl and Moshe Tennenholtz* Coopetition Against an Amazon  *Alon Cohen, Argyrios Deligkas and Moran Koren* Learning Approximately Optimal Contracts  *Ryann Sim, Stratis Skoulakis, Georgios Piliouras and Lillian Ratliff* Fast Convergence of Optimistic Gradient Ascent in Network Zero-Sum Extensive Form Games  *Roy Shahmoon, Rann Smorodinsky and Moshe Tennenholtz* Data Curation from Privacy-Aware Agents |

**Wednesday, September 14**

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| 09:00 – 09:30 | Registration – Coffee |
| 09:30 – 10:30 | Ioannis Caragiannis - New Fairness Concepts for Allocating Indivisible Items  Chair: Alexandros Voudouris |
| 10:30 – 10:50 | Coffee break |
| 10:50 – 12:30 | Chair: SAGT co-chairs  **Best Paper:** *Stavros Ioannidis, Bart de Keijzer and Carmine Ventre* Financial Networks with Singleton Liability Priorities  *Martin Hoefer and Lisa Wilhelmi* Seniorities and Minimal Clearing in Financial Network Games  *Evangelos Markakis, Georgios Papasotiropoulos and Artem Tsikiridis* On Improved Interval Cover Mechanisms for Crowdsourcing Markets  *Liad Blumrosen and Yehonatan Mizrahi* How Bad is the Merger Paradox?  *Fabien Gensbittel, Dana Pizarro and Jérôme Renault* Competition and Recall in Selection Problems |
| 12:30 – 14:00 | Lunch |
| 14:00 – 15:40 | Chair: Aris Filos-Ratsikas  *Paul Goldberg and Matthew Katzman* PPAD-Complete Pure Approximate Nash Equilibria in Lipschitz Games  *Matan Gilboa and Noam Nisan* Complexity of Public Goods Games on Graphs  *Edith Elkind, Abheek Ghosh and Paul Goldberg* Simultaneous Contests with Equal Sharing Allocation of Prizes: Computational Complexity and Price of Anarchy  *Jason Milionis, Christos Papadimitriou, Georgios Piliouras and Kelly Spendlove* Nash, Conley, and Computation: Impossibility and Incompleteness in Game Dynamics  *Sahar Jahani and Bernhard von Stengel* Automated Equilibrium Analysis of 2x2x2 Games |
| 15:40 – 16:00 | Coffee break |
| 16:00 – 17:20 | Chair: Argyris Deligkas  *Edith Elkind, Piotr Faliszewski, Ayumi Igarashi, Pasin Manurangsi, Ulrike Schmidt-Kraepelin and Warut Suksompong* Justifying Groups in Multiwinner Approval Voting  *Martin Durand and Fanny Pascual* Collective Schedules: Axioms and algorithms  *Leora Schmerler, Noam Hazon and Sarit Kraus* Strategic Voting in the Context of Stable-Matching of Teams  *Georgios Amanatidis, Georgios Birmpas, Philip Lazos and Francisco Marmolejo-Cossio* Decentralised Update Selection with Semi-Strategic Experts |
| 19:00 – 21:00 | Conference Dinner  Mirra restaurant, 98 High St, Colchester, Essex, CO1 1TH |

**Thursday, September 15**

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| 09:00 – 09:30 | Registration – Coffee |
| 09:30 – 10:30 | Aggelos Kiayias - Decentralizing Information Technology: The Advent of Resource Based Systems  Chair: Maria Kyropoulou |
| 10:30 – 10:50 | Coffee break |
| 10:50 – 12:50 | Chair: Georgios Amanatidis  *Yasushi Kawase and Hanna Sumita* Online Max-min Fair Allocation  *Edith Elkind, Sonja Kraiczy and Nicholas Teh* Fairness in Temporal Slot Assignment  *Yuki Amano, Ayumi Igarashi, Yasushi Kawase, Kazuhisa Makino and Hirotaka Ono* Fair ride allocation on a line  *Sushmita Gupta, Pallavi Jain, Daniel Lokshtanov, Sanjukta Roy and Saket Saurabh* Gehrlein Stable Committee with Multi-Modal Preferences  *Matthias Bentert, Niclas Boehmer, Klaus Heeger and Tomohiro Koana* Stable Matching with Multilayer Approval Preferences: Approvals can be Harder than Strict Preferences  *Kazuhisa Makino, Shuichi Miyazaki and Yu Yokoi* Incomplete List Setting of the Hospitals/Residents Problem with Maximally Satisfying Lower Quotas |
| 12:50 – 14:00 | Lunch |