**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 EconomicsChair: 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 ItemsChair: 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 DinnerMirra 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 SystemsChair: 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 |