SAGT 2015 Program

Sunday, September 27

19:00	Welcome Reception at Motel One

Monday, September 28

08:30	Commencement of Registration
09:00 - 09:05	Opening Remarks

Session 1: Matching under Preferences
(Chair: Paul Goldberg)

09:05 - 09:30	**Stable Matchings with Ties, Master Preference Lists, and Matroid Constraints.** Naoyuki Kamiyama
09:30 - 09:55	**Stable marriage and roommates problems with restricted edges: complexity and approximability.** Ágnes Cseh and David F. Manlove
09:55 - 10:20	**Pareto Optimal Matchings in Many-to-Many Markets with Ties.** Katarina Cechlarova, Pavlos Eirinakis, Tamas Fleiner, Dimitrios Magos, David Manlove, Ioannis Mourtos, Eva Ocelakova and Baharak Rastegari
10:20 - 10:30	**Effect of Strategic Grading and Early Offers in Matching Markets** Hedyeh Beyhaghi, Eva Tardos and Nishanth Dikkala
10:30 - 10:40	**New Mechanisms for Pairwise Kidney Exchange** Hossein Esfandiari and Guy Kortsarz

10:40 - 11:10	Coffee break

11:10 - 12:10	**Invited Talk: Herve Moulin, University of Glasgow** One dimensional mechanism design

12:10 - 14:00	Lunch break with warm buffet

Session 2: Cost Sharing
(Chair: Alex Skopalik)

14:00 - 14:25	**Cost-sharing Models in Participatory Sensing** Georgios Birmpas, Costas Courcoubetis, Ioannis Giotis and Evangelos Markakis.
14:25 - 14:50	**Further Results on Capacitated Network Design Games** Thomas Erlebach and Matthew Radoja
14:50 - 15:15	**Cost-Sharing Scheduling Games on Restricted Unrelated Machines** Guy Avni and Tami Tamir
15:15 - 15:25	**Resource Allocation Games with Multiple Resource Classes** Roy Ofer and Tami Tamir

15:25 - 16:00	Coffee break

Session 3: Auctions and Social Choice
(Chair: Dimitris Fotakis)

16:00 - 16:25	**Commitment in First-price Auctions** Yunjian Xu and Katrina Ligett
16:25 - 16:50	**Towards More Practical Linear Programming-based Techniques for Algorithmic Mechanism Design** Khaled Elbassioni, Kurt Mehlhorn and Fahimeh Ramezani
16:50 - 17:15	**Equilibria of Plurality Voting: Lazy and Truth-biased Voters** Edith Elkind, Evangelos Markakis, Svetlana Obraztsova and Piotr Skowron
17:15 - 17:25	**On Effective Affirmative Action in School Choice** Yun Liu

Session 4: Algorithmic Mechanism Design
(Chair: Dov Monderer)

09:00 - 09:25	**Auction Design with a Revenue Target** Paul Goldberg and Bo Tang
09:25 - 09:50	**Efficient Money Burning in General Domains** Dimitris Fotakis, Dimitris Tsipras, Christos Tzamos and Emmanouil Zampetakis
09:50 - 10:15	**Algorithmic Signaling of Features in Auction Design** Shaddin Dughmi, Nicole Immorlica, Ryan O'Donnell and Li-Yang Tan
10:15 - 10:40	**The Combinatorial World (of Auctions) According to GARP** Shant Boodaghians and Adrian Vetta

10:40 - 11:10	Coffee break

11:10 - 12:10	**Invited Talk: Elias Koutsoupias, University of Oxford** Multidimensional auctions: duality and virtual values

12:10 - 14:00	Lunch break with warm buffet

Session 5: Networking
(Chair: Max Klimm)

14:00 - 14:25	**On the Efficiency of the Proportional Allocation Mechanism for Divisible Resources** George Christodoulou, Alkmini Sgouritsa and Bo Tang
14:25 - 14:50	**On Existence and Properties of Approximate Pure Nash Equilibria in Bandwidth Allocation Games** Maximilian Drees, Matthias Feldotto, Sören Riechers and Alexander Skopalik
14:50 - 15:15	**Can Bandwidth Sharing Be Truthful?** Yukun Cheng, Xiaotie Deng, Yifan Pi and Xiang Yan.
15:15 - 15:40	**The Web Graph as an Equilibrium** Georgios Kouroupas, Evangelos Markakis, Christos Papadimitriou, Vasileios Rigas and Martha Sideri

15:40 - 16:10	Coffee break

Session 6: Routing and Fairness
(Chair: Tobias Harks)

16:10 - 16:35	**Excluding Braess's Paradox in Nonatomic Selfish Routing** Xujin Chen, Zhuo Diao and Xiaodong Hu
16:35 - 17:00	**"Beat-Your-Rival" Routing Games** Gideon Blocq and Ariel Orda
17:00 - 17:25	**Characterization and Computation of Equilibria for Indivisible Goods** Simina Brânzei, Hadi Hosseini and Peter Bro Miltersen
17:25 - 17:35	**On the Fair Subset Sum Problem** Gaia Nicosia, Andrea Pacifici and Ulrich Pferschy

19:30	Conference Dinner at Ratskeller

	Invited Talk: Tim Roughgarden, Stanford University
09:00 - 10:00	Complexity Theory and Algorithmic Game Theory: Some New Connections

10:00 - 10:30	Coffee break

Session 7: Equilibrium Computation
(Chair: Evangelos Markakis)

10:30 - 10:55	**When Can Limited Randomness Be Used in Repeated Games?**
	Pavel Hubacek, Moni Naor and Jonathan Ullman
10:55 - 11:20	**Settling Some Open Problems on 2-Player Symmetric Nash Equilibria**
	Ruta Mehta, Vijay Vazirani and Sadra Yazdanbod
11:20 - 11:45	**Approximating Nash Equilibria in Tree Polymatrix Games**
	Siddharth Barman, Katrina Ligett and Georgios Piliouras
11:45 - 11:55	**Computation of Fisher-Gale equilibrium by auction**
	Yurii Nesterov and Vladimir Shikhman

11:55 - 14:00	Lunch break with warm buffet