



SAGT2010

SCIENTIFIC PROGRAMME

Organized By:



In Cooperation With:



SAGT2010 Scientific Programme

Monday, October 18 2010

08:00-09:00	SAGT2010 Welcome Reception / On Site Registration	
Session 1: <i>Invited Talk</i> (Chair: Elias Koutsoupias)		
9:00-10:00	Amos Fiat. <i>When the Players are not Expectation Maximizers.</i>	
10:00-10:30	Coffee Break	
Session 2: <i>Learning & Dynamics</i> (Chair: Amos Fiat)		
10:30-11:00	Vincenzo Auletta , Diodato Ferraioli, Francesco Pasquale and Giuseppe Persiano. <i>Mixing Time and Stationary Expected Social Welfare of Logit Dynamics.</i>	S E S S I O N 2
11:00-11:30	Felix Brandt, Felix Fischer and Paul Harrenstein. <i>On the Rate of Convergence of Fictitious Play.</i>	
11:30-12:00	Constantinos Daskalakis , Rafael Frongillo, Christos Papadimitriou, George Pierrakos and Gregory Valiant. <i>On Learning Algorithms for Nash Equilibria.</i>	
12:00-12:30	Uri Nadav and Georgios Piliouras. <i>No Regret Learning in Oligopolies: Cournot vs Bertrand.</i>	
12:30-14:30	Lunch Break	
Session 3: <i>Mechanisms</i> (Chair: Christos Kaklamanis)		
14:30-15:00	Uriel Feige and Moshe Tennenholtz. <i>Responsive Lotteries.</i>	S E S S I O N 3
15:00-15:30	Bharat Adsul, Sobhan Babu, Jugal Garg, Ruta Mehta and Milind Sohoni. <i>Nash Equilibria in Fisher Market.</i>	
15:30-16:00	Vijay Vazirani. <i>2-Player Nash and Nonsymmetric Bargaining Games: Algorithms and Structural Properties.</i>	
16:00-16:30	Coffee Break	
Session 4: <i>Game Classes & Solution Concepts</i> (Chair: Vangelis Markakis)		
16:30-17:00	Alex Fabrikant, Aaron D. Jagard and Michael Schapira. <i>On the Structure of Weakly Acyclic Games.</i>	S E S S I O N 4
17:00-17:30	Martin Gairing and Rahul Savani. <i>Computing stable outcomes in hedonic games.</i>	
17:30-18:00	Alexander Skopalik and Martin Hoefer. <i>On the Complexity of Pareto-optimal Nash and Strong Equilibria.</i>	

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Session 5: <i>Games Played in Physics</i> (Chair: Lefteris Kirousis)	
9:00-10:00	Tobias Galla. <i>Intrinsic Noise in Evolutionary Game Theory.</i>
10:00-10:30	Coffee Break
10:30-11:00	Maximilian Andrä, Jan Christoph Schlegel. <i>The Antiferromagnetic Ising Game.</i>
Session 6: <i>Markets</i> (Chair: Burkhard Monien)	
11:00-11:30	Bharat Adsul, Sobhan Babu, Jugal Garg , Ruta Mehta and Milind Sohoni. <i>A Simplex-like Algorithm for Fisher Markets.</i>
11:30-12:00	Volodymyr Kuleshov and Adrian Vetta. <i>On the Efficiency of Markets with Two-Sided Proportional Allocation Mechanisms.</i>
12:00-12:30	Gagan Goel and Vijay Vazirani. <i>A Perfect Price Discrimination Market Model with Production, and a (Rational) Convex Program for it.</i>
12:30-14:30 Lunch Break	
Session 7: <i>Complexity & Equilibrium Refinements</i> (Chair: Annamaria Kovacs)	
14:30-15:00	Noam Hazon and Edith Elkind. <i>Complexity of Safe Strategic Voting.</i>
15:00-15:30	Kristoffer Arnsfelt Hansen, Peter Bro Miltersen and Troels Bjerre Sorensen. <i>The computational complexity of trembling hand perfection and other equilibrium refinements.</i>
15:30-16:00	Pranjal Awasthi, Maria-Florina Balcan, Avrim Blum, Or Sheffet and Santosh Vempala. <i>On Nash-Equilibria of Approximation-Stable Games.</i>
16:00-16:30	Uriel Feige and Inbal Talgam. <i>A Direct Reduction from k-Player to 2-Player Approximate Nash.</i>
17:00	SAGT2010 Excursion (visit to the Akropolis Museum)
20:30	SAGT2010 Banquet Strofi Restaurant, Rovertou Galli 25, 117 42, Athens Phone : +30 210 9214130, Fax : +30 210 9223787, URL : http://www.strofi.gr/

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Wednesday, October 20 2010

Session 8: <i>Invited Talk</i> (Chair: Paul Spirakis)		
9:00-10:00	Paul Goldberg, <i>How Do You Like Your Equilibrium Selection Problems? Hard, or Very Hard?</i>	
10:00-10:30	Coffee Break	
Session 9: <i>Network Design & Load Balancing</i> (Chair: Spyros Kontogiannis)		S E S S I O N 9
10:30-11:00	Elliot Anshelevich, Bugra Caskurlu and Ameya Hate. <i>Partition Equilibrium Always Exists in Resource Selection Games.</i>	
11:00-11:30	Yonatan Aumann and Yair Dombb. <i>Pareto Efficiency and Approximate Pareto Efficiency in Routing and Load Balancing Games.</i>	
11:30-12:00	Matus Mihalak and Jan Christoph Schlegel. <i>The price of anarchy in network creation games is (mostly) constant</i>	
12:00-12:30	Vittorio Bilo, Ioannis Caragiannis, Angelo Fanelli and Gianpiero Monaco. <i>Improved lower bounds on the price of stability of undirected network design games.</i>	
12:30-14:30	Lunch Break	
Session 10: <i>Congestion Games</i> (Chair: Paul Goldberg)		S E S S I O N 10
14:30-15:00	Bart de Keijzer, Guido Schaefer and Orestis Telelis. <i>On the Inefficiency of Equilibria in Linear Bottleneck Congestion Games.</i>	
15:00-15:30	Rajgopal Kannan and Costas Busch. <i>Bottleneck Congestion Games with Logarithmic Price of Anarchy.</i>	
15:30-16:00	Martin Macko, Kate Larson and Lubos Steskal. <i>Braess's Paradox for Flows Over Time.</i>	
16:00-16:30	Dimitris Fotakis, George Karakostas and Stavros Kolliopoulos. <i>On the Existence of Optimal Taxes for Network Congestion Games with Heterogeneous Users.</i>	
16:30-17:00	Coffee Break	
Session 11: <i>Mechanisms, Auctions & Cooperation</i> (Chair: Dimitris Fotakis)		S E S S I O N 11
17:00-17:30	Elchanan Mossel and Omer Tamuz. <i>Truthful Fair Division.</i>	
17:30-18:00	Chinmay Karande, Gagan Goel and Lei Wang. <i>Single-Parameter Combinatorial Auctions with Partially Public Valuations.</i>	
18:00-18:30	Reshef Meir, Yoram Bachrach and Jeffrey Rosenschein. <i>Minimal Subsidies in Expense Sharing Games.</i>	
18:30-19:00	SAGT2010 Closing	