

Workshop on Advances in Algorithmic Game Theory

CWI Amsterdam, The Netherlands
September 2–3, 2010

Program: Thursday, September 2, 2010

9:50–10:00	Opening
	INVITED TALK
10:00–11:00	Tim Roughgarden (Stanford University, USA) <i>Smoothness arguments and the price of anarchy</i>
11:00–11:20	Coffee break
	CONTRIBUTED TALKS
11:20–11:45	Constantinos Daskalakis (MIT, USA) <i>Geometrically embedded local search</i>
11:45–12:10	Tobias Harks (Technical University Berlin, Germany) <i>Pure Nash equilibria and potential functions in weighted congestion games</i>
12:10–12:35	Martin Hoefer (RWTH Aachen University, Germany) <i>Coalitions and dynamics in network routing games</i>
12:35–13:00	Evangelos Markakis (Athens University of Economics and Business, Greece) <i>Coalition formation and price of anarchy in Cournot oligopolies</i>
13:00–14:00	Lunch break
	INVITED TALK
14:00–15:00	Michal Feldman (Hebrew University of Jerusalem, Israel) <i>Truth and justice: envy-freeness, truthfulness and the interplay between them</i>
15:00–15:20	Coffee break
	CONTRIBUTED TALKS
15:20–15:45	Ahuva Mu'alem (California Institute of Technology, USA) <i>On scheduling mechanisms: theory, practice and pricing</i>
15:45–16:10	Rob van Stee (MPI for Informatics, Germany) <i>Truthful approximations for machine covering</i>
16:10–16:35	Rene van den Brink (VU University Amsterdam, The Netherlands) <i>Cooperative games with a permission structure: axiomatization and computation of solutions</i>
16:35–17:00	Piotr Krysta (University of Liverpool, UK) <i>Combinatorial auctions with verification are tractable</i>
19:30	Workshop dinner (IJ-Kantine)

Workshop on Advances in Algorithmic Game Theory

CWI Amsterdam, The Netherlands
September 2–3, 2010

Program: Friday, September 3, 2010

INVITED TALK

10:00–11:00 **Jason Hartline (Northwestern University, USA)**
Approximation in mechanism design

11:00–11:20 **Coffee break**

CONTRIBUTED TALKS

11:20–11:45 **Robert Kleinberg (Cornell University, USA)**
Bayesian algorithmic mechanism design in multi-dimensional settings

11:45–12:10 **Rudolf Müller (Maastricht University, The Netherlands)**
Path-monotonicity and incentive compatibility

12:10–12:35 **Patrick Briest (University of Paderborn, Germany)**
Pricing lotteries

12:35–13:00 **Nicole Immorlica (Northwestern University, USA)**
Pricing information cascades

13:00–14:00 **Lunch break**

INVITED TALK

14:00–15:00 **Ioannis Caragiannis (University of Patras, Greece)**
Efficient coordination mechanisms for selfish scheduling

15:00–15:20 **Coffee break**

CONTRIBUTED TALKS

15:20–15:45 **Giorgios Christodoulou (MPI for Informatics, Germany)**
Improving the price of anarchy for selfish routing via coordination mechanisms

15:45–16:10 **Orestis Telelis (INRIA Sophia-Antipolis, France)**
Discrete strategies in keyword auctions and their inefficiency for locally aware bidders

16:10–16:35 **Stefano Leonardi (Sapienza University of Rome, Italy)**
Combinatorial auctions with budgets