

Algorithmic Game Theory

Monday January 10, 2011

- 8:00–8:45 *Check-In/Light Breakfast (Hosted by IPAM)*
- 8:45–9:00 *Welcome and Opening Remarks*
- 9:00–9:50 **Tim Roughgarden** (Stanford University)
Smoothness arguments and the price of anarchy
- 10:00–10:15 *Break*
- 10:15–11:05 **Jason Hartline** (Northwestern University)
Truth, Envy, and Profit.
- 11:15–11:30 *Break*
- 11:30–12:20 **Vwani Roychowdhury** (University of California, Los Angeles (UCLA))
- 12:30–2:30 *Lunch (on your own)*
- 2:30–3:20 **Vijay Vazirani** (Georgia Institute of Technology)
Extending General Equilibrium Theory to the Digital Economy
- 3:30–4:00 *Break*
- 4:00–4:50 **Fan Chung-Graham** (University of California, San Diego (UCSD))
Hypergraph coloring games and memoryless voter models
- 5:00–7:00 *Reception and Poster Session (Hosted by IPAM)*

Tuesday January 11, 2011

- 8:00–9:00 *Continental Breakfast*
- 9:00–9:50 **Ashish Goel** (Stanford University)
Reputation and Trust in Social Networks
- 10:00–10:15 *Break*
- 10:15–11:05 **Aranyak Mehta** (Google Inc.)
Online Ad Allocation
- 11:15–11:30 *Break*

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- 11:30–12:20 **De Liu** (University of Kentucky)
Information Asymmetry and Payment Schemes in Online Advertising
- 12:30–2:30 *Lunch (on your own)*
- 2:30–3:20 **Michael Schwarz** (Yahoo! Research)
Reserve Prices in Internet Advertising Auctions: A Field Experiment
- 3:30–4:00 *Break*
- 4:00–4:50 **Pablo Parrilo** (Massachusetts Institute of Technology)
Flow Representations of Games: Near Potential Games and Dynamics

Wednesday January 12, 2011

- 8:00–9:00 *Continental Breakfast*
- 9:00–9:50 **Rahul Jain** (University of Southern California (USC))
Strategic Arrivals into Queueing Networks
- 10:00–10:15 *Break*
- 10:15–11:05 **Walid Saad** (Princeton University)
Game Theory for Cooperative Communication Networks
- 11:15–11:30 *Break*
- 11:30–12:20 **Aditya Ramamoorthy** (Iowa State University)
Selfish distributed compression over networks: Correlation induces Anarchy –
- 12:30–2:30 *Lunch (on your own)*
- 2:30–3:20 **Éva Tardos** (Cornell University)
Price of Anarchy in Adword Auctions
- 3:30–4:00 *Break*
- 4:00–4:50 **Adam Meyerson** (University of California, Los Angeles (UCLA))
Comparing Nash and Correlated Equilibrium Solutions

Thursday January 13, 2011

- 8:00–9:00 *Continental Breakfast*
- 9:00–9:50 **Edith Elkind** (Nanyang Technological University)
Cooperative games with overlapping coalitions.
- 10:00–10:15 *Break*

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- 10:15–11:05 **Anna Karlin** (University of Washington)
Some observations about prior-free optimal mechanism design in single-parameter environments
- 11:15–11:30 *Break*
- 11:30–12:20 **Randolph McAfee** (Yahoo)
Maximally Representative Allocations for Guaranteed Delivery Advertising Campaigns (with Kishore Papineni and Sergei Vassilvitskii)
- 12:30–2:30 *Lunch (on your own)*
- 2:30–3:20 **Lance Fortnow** (Northwestern University)
Repeated Matching Pennies with Sublinear Randomness
- 3:30–3:45 *Break*
- 3:45–5:00 *Panel Discussion*

Friday January 14, 2011

- 8:00–9:00 *Continental Breakfast*
- 9:00–9:50 **Shuchi Chawla** (University of Wisconsin-Madison)
Bayesian Mechanism Design for Budget-Constrained Agents
- 10:00–10:15 *Break*
- 10:15–11:05 **Nicole Immorlica** (Northwestern University)
Dueling Algorithms
- 11:15–11:30 *Break*
- 11:30–12:20 **David Kempe** (University of Southern California (USC))
Frugal Auctions For Vertex Covers, Flows, and Cuts
- 12:30–1:30 *Lunch (on your own)*
- 1:45–2:35 **Kamal Jain** (Microsoft Research)
Matching in lopsided bipartite graphs and a new matching polytope.
- 3:00–4:00 **Shing-Tung Yau** (Harvard University)
The Shape of Inner Space
- 4:00–12:00 *Reception (Location: IPAM Lobby)*

