Dagstuhl Seminar
Game Theory Meets Computational Learning Theory
June 19 - 23, 2017

Lightning talks:
- On Monday Morning there will be a session called "Lightning Talks"
- You don't need to prepare a slide for this
- We have compiled a set of slides, one for each participant
- Your slide will have your name and your affiliation
- We will go through them in alphabetical order
- When it's your turn, please stand up introduce yourself, and say a few words about your area of research

Plans for the Program:
- There will be five tutorials (each about 1.5-2h)
- One longer, keynote talk
- And 10-15 contributed talks (each 25 minutes)
  We still have space for additional talks
  Either email Paul Duetting (p.d.duetting@lse.ac.uk)
  Or use the sign-up sheet
- We are thinking about having group discussions / a panel discussion
- Hopefully, plenty of time for discussions and collaboration

Monday June 19, 2017

07:30-08:45 Breakfast

09:00-09:15 Welcome + Organization
09:15-10:00 Lightning Talks

10:00-10:15 Coffee Break

10:15-11:15 Sven Seuken, University of Zurich
             Design of Machine Learning-Based Mechanisms
11:15-12:15 Yaron Singer, Harvard University
             Learning, Optimization, and Noise (1/2)
             (1 hour)

12:15   Lunch Break

14:30-15:30 Yaron Singer, Harvard University
             Learning, Optimization, and Noise (2/2)
             (1 hour)

15:30   Coffee and Cake

16:00-16:25 Sebastien Lahaie, Google NYC
             Bayesian Methods for Clearing Markets
16:30-16:55 Yakov Babichenko, Technion
             Forecast Aggregation
17:00-17:25 Bernhard von Stengel, LSE
             Learning Mastermind

Tuesday June 20, 2017

07:30-08:45   Breakfast

09:00-09:15   Organization
09:15-10:00   Claudio Gentile, Universita dell'Insubria
                    No Regret and Sequential Prediction (1/2)
10:00-10:30   Coffee Break
10:30-11:15   Claudio Gentile, Universita dell'Insubria
                    No Regret and Sequential Prediction (2/2)

11:15-11:40   Ariel Procaccia, CMU
                    Weighted Voting via No-Regret Learning
11:45-12:10   Thomas Kesselheim, TU Dortmund
                    Best-Response Dynamics in Combinatorial Auctions with Item Bidding

12:15   Lunch Break

14:00-14:25   Andres Munoz, Google
                    Revenue Optimization with Approximate Bid Predictions
14:30-14:55   Greg Valiant, Stanford
                    Learning with Adversarial Data
15:00-15:25   Amir Ban, Tel Aviv
                    Aggregate Earnings per Share Estimates
15:30-16:00   Argyris Deligkas, Technion
                    Distributed Methods for Computing Approximate Equilibria

16:00   Coffee and Cake

                    Free for research / discussions

Wednesday June 21, 2017

07:30-08:45 Breakfast

09:00-10:30 Denis Nekipelov, University of Virginia
Robust Inference for Non-Robust Models
(90 minutes)

10:30-10:45 Coffee Break

10:45-11:10 Yair Zick, National University Singapore
Learning Cooperative Solution Concepts
11:15-11:40 Jason Hartline, Northwestern
Non-Revelation Mechanism Design

12:15 Lunch Break

Excursion in the afternoon

15:30 Coffee and Cake

Thursday June 22, 2017

07:30-08:45   Breakfast

09:00-10:30   Jamie Morgenstern, University of Pennsylvania
              The Sample Complexity of Single-Parameter Auction Design
              (75-85 minutes)

10:30-10:45   Coffee Break

10:45-11:10   Hu Fu, UBC Vancouver
              Revenue Optimization for Correlated Bidders via Sampling
11:15-11:40   Ellen Vitercik, CMU
              Sample Complexity and Multi-Item Profit Maximization
11:45-12:10   Jens Witkowski, ETH Zurich
              A Quick Introduction to Peer Prediction

12:15   Lunch Break

14:00-14:25   Aleck Johnson, Northwestern
              Optimizing Worst-Case Benchmarks
14:30-14:55   Yishay Mansour, Tel Aviv
              Submultiplicative Glivenko-Cantelli and Uniform Convergence of
              Revenues

16:00   Coffee and Cake

Friday June 23, 2017

07:30-08:45 Breakfast

09:00-10:30 Yakov Babichenko, Technion
              Informational Bounds on Equilibria, and its Relation to Learning
              (90 minutes)

10:30-10:45 Coffee Break

10:45-11:10 Peter Bartlett, UC Berkeley
              Optimal Strategies for Prediction Games
11:15-11:40 Greg Valiant, Stanford
              Generative Adversarial Networks
11:45-12:10 Paul Duetting, LSE
              Optimal Auctions through Deep Learning

12:15   Lunch Break