Program

Tuesday November 26, 2019

8:30 - 9:00 *Gathering, Registration and Coffee*

9:00 - 9:15 **Opening Remarks**

9:15 - 9:55 **Nikhil Bansal -** *On a generalization of iterated and randomized rounding*

9:55 - 10:25 **Noam Touitou -** *General Framework for Metric Optimization Problems with Delay or with Deadlines*

10:25 - 10:55 **Yaniv Sadeh -** *Optimal Representations of a Traffic Distribution in Switch Memories*

10:55 - 11:20 *Coffee break*

11:20 - 11:50 **Benny Applebaum -** *The Round Complexity of Perfectly-Secure Multiparty Computation*

11:50 - 12:20 **Geoffroy Couteau -** *Efficient Pseudorandom Correlation Generators: Silent OT Extension and More*

12:20 - 12:50 **Noam Mazor -** *Channels of Small Log-Ratio Leakage and Characterization of Two-Party Differentially Private Computation.*

12:50 - 14:20 *Lunch* (Please see our list for a selection of restaurants.)

14:20 - 14:50 **Liran Carmel -** *Using ancient DNA methylation to understand human evolution*

14:50 - 15:20 **Elhanan Borenstein -** *Systems biology of the human microbiome: From big data to models*

15:20 - 15:50 **Russ Harmer -** *Graph-based knowledge representation for cellular signalling*

16:00 - 16:30 *Coffee break*

16:30 - 17:00 **Amos Korman -** *Ant Navigation in Percolated Environments: A Locality Perspective*

17:00 - 17:30 **Shiri Chechik -** *TBA*

17:30 - 18:00 **Pierre Fraigniaud -** *Present-Biased Optimization*

Wednesday November 27, 2019

8:30 - 9:00 *Gathering and Coffee*

9:00 - 9:40 **Stefano Leonardi -** *Envy, Regret, and Social Welfare Loss*

9:40 - 10:10 **Daniel Lehmann -** *Many-to-many matching and bilateral markets*

10:10 - 10:40 **Michal Feldman -** *A General Framework for Endowment Effects in Combinatorial Markets*

10:40 - 11:00 *Coffee break*

11:00 - 11:40 **Gil Kalai -** *Report on Some Breakthroughs in Combinatorics*

11:40 - 12:10 **Miklos Santha -** *Discrete logarithm and Diffie-Hellman problems in identity black-box groups*

12:10 - 12:40 **Itai Arad -** *Learning a local Hamiltonian from local measurements*

12:40 - 14:20 *Lunch* (Please see our list for a selection of restaurants.)

14:20 - 15:00 **Jean-Bernard Lasserre -** *Connecting optimization with spectral analysis of tri-diagonal (univariate) moment matrices*

15:00 - 15:30 **Uri Feige -** *Finding cliques using few probes*

15:30 - 16:00 **Amnon Ta-Shma -** *Parity samplers, double samplers and the quest for explicit, efficient binary error correcting codes*

16:00 - 16:30 *Coffee break*

16:30 - 17:00 **Merav Parter -** *Nearly optimal secure distributed algorithms*

17:00 - 17:30 **Guy Even -** *Fully-Dynamic Space-Efficient Dictionaries and Filters with Constant Number of Memory Accesses*

19:00 - *Reception* (see more details in "local information for participants")

Thursday November 28, 2019

8:30 - 9:00 *Gathering and Coffee*

9:00 - 9:40 **Allan Borodin -** *Two studies concerning voting systems*

9:40 - 10:10 **Keerti Choudhary -** *Extremal Distance Spanners*

10:10 - 10:40 *Coffee break*

10:40 - 11:10 **Roi Livni -** *Graph-Based Discrimination*

11:10 - 11:40 **Ohad Shamir -** *Training Neural Networks: The Bigger the Better?*

11:40 - 12:10 **Vianney Perchet -** *Multiplayer Multi-Armed Bandits. Synchronisation Unlocks Communication !*

12:10 - 12:40 **Shie Mannor -** *Batch-Size Independent Regret Bounds for the Combinatorial Multi-Armed Bandit Problem*

12:40 - 14:20 *Lunch* (Please see our list for a selection of restaurants.)

14:20 - 15:00 **Amit Chakrabarti -** *Verifiable Stream Computation and Arthur-Merlin Communication*

15:00 - 15:30 **Rotem Oshman -** *Interactive Distributed Proofs*

15:30 - 16:00 **Alexandre Nolin -** *The communication complexity of functions with large outputs*

16:00 - 16:30 **Adi Rosén -** *A New Approach to Multi-Party Peer-to-Peer Communication Complexity*

16:30 - 17:00 *Coffee break*

17:00 - 17:30 **Or Zamir -** *Faster k-SAT algorithms using biased-PPSZ*

17:30 - 18:00 **Uri Zwick -** *A faster deterministic exponential time algorithm for Energy Games and Mean Payoff Games*