Program

Tuesday, November 12, 2024

9:30 - 9:45 *Gathering, Registration, Coffee*

9:45 - 10:00 **Opening Remarks**

10:00 - 10:30 **Christoph Dürr -** *Randomized Binary and Tree Search under Pressure*

10:30 - 11:00 **Yaniv Sadeh -** *Search Trees on Trees via Linear Programming*

11:00 - 11:30 *Coffee break*

11:30 - 12:00 **Allan Borodin -** *Some new results for online interval selection*

12:00 - 12:30 **Shahar Lewkowicz -** *List update with prediction*

12:30 - 14:00 *Lunch* (On your own)

14:00 - 14:30 **Sergio Rasjbaum -** *Distributed Computability and Continuous Maps*

14:30 - 15:00 **Yuval Emek -** *On the power of Graphical reconfigurable circuits*

15:00 - 15:30 **Dror Rawitz -** *On Key Parameters Affecting the Realizability of Degree Sequences*

15:30 - 16:00 *Coffee break*

16:00 - 16:30 **Jonas Ellert -** *Faster Two-Dimensional Pattern Matching with k Mismatches*

16:30 - 17:00 **Zvi Lotker -** *Computational History: New Paths in Digital Humanities*

WEDNESDAY, NOVEMBER 13, 2024

9:00 - 9:30 *Gathering, Coffee*

9:30 - 10:00 **Srindhi Nagendra -** *Reward Augmentation in Reinforcement Learning for Testing Distributed Systems*

10:00 - 10:30 **Junyao Zhao -** *Strategizing against No-Regret Learners in First-Price Auctions*

10:30 - 11:00 *Coffee break*

11:00 - 11:30 **Yoav Gal Tzur -** *Combinatorial multi-action contracts*

11:30 - 12:00 **Tomek Ponitka -** *Pseudo-Dimension of Contracts*

12:00 - 12:30 **Michal Feldman -** *Ambiguous contracts*

12:30 - 14:00 *Lunch* (ON YOUR OWN)

14:00 - 14:30 **Geoffroy Couteau -** *Fast Public-Key Silent OT and More from Constrained Naor-Reingold*

14:30 - 15:00 **Christina Boura -** *Transistor: a TFHE-friendly Stream Cipher*

15:00 - 15:30 **Eden Aldema Tshuva -** *Fully Local Distributed Arguments*

15:30 - 16:00 *Coffee Break*

16:00 - 16:30 **Alex B. Grilo -** *The role of piracy in quantum proofs*

16:30 - 17:00 **Pouria Fallahpour -** *Quantum Oblivious LWE Sampling and Insecurity of Standard Model Lattice-Based SNARKs*

17:00 - 17:30 **Philip Verduyn Lunel -** *Relating non-local quantum computation to information theoretic cryptography*

19:00 - *Social Event* (to be confirmed)

THURSDAY, NOVEMBER 14, 2024

9:00 - 9:30   *Gathering, Coffee*

9:30 - 10:00   **Robert Krauthgamer -** *Cut Sparsification and Succinct Representation of Submodular Hypergraphs*

10:00 - 10:30   **Alin Bostan -** *A Fast Algorithm for Computing Terms in Linearly Recurring Sequences and Its Application to Quasi-Optimal Composition*

10:30 - 11:00   *Coffee break*

11:00 - 11:30   **Carola Doerr -** *Generating Point Sets of Small Star Discrepancy*

11:30 - 12:00   **Omri Weinstein -** *A multiplicative-Weights Method for Sparse Recovery*

12:00 - 12:30   **Adrian Vladu -** *Sparse Recovery Methods for Training Sparse Deep Learning Models*

12:30 - 14:00   *Lunch*   (ON YOUR OWN)

14:00 - 14:30   **Claire Mathieu -** *Testing the similarity between two distributions in streaming*

14:30 - 15:00   **Alexander Shen -** *From information complexity to aggregating opinions*

15:00 - 15:30   **Gregory Kucherov -** *Better Space-Time-Robustness Trade-Offs for Set Reconciliation*

15:30 - 16:00   *Coffee Break*

16:00 - 16:30   **Dani Dorfman -** *Faster all-pairs optimal car routing*

16:30 - 17:00   **Yossi Azar -** *Online predictions and 1-smoothness*

Friday, November 15, 2024

Special Machine Learning Day
organized in cooperation with ERC project COLT-MDP

8:45 - 9:00 *Gathering and Greetings, Coffee*

9:00 - 9:30 **Francis Bach -** *An alternative view of denoising diffusion models*

9:30 - 10:00 **Julia Kempe -** *Synthetic Data - Friend or Foe*

10:00 - 10:30 **Shay Moran -** *On Differentially Private Linear Algebra*

10:30 - 11:00 *Coffee break*

11:00 - 11:30 **Roi Livni -** *The information complexity of learning in stochastic convex optimization*

11:30 - 12:00 **Ohad Shamir -** *Overfitting: The good, the bad and the ugly*

12:00 - 12:30 **Nadav Cohen -** *Implicit Biases of Gradient Descent in Offline System Identification and Optimal Control*

12:30 - 14:00 *Lunch* (On your own)

14:00 - 14:30 **Nadav Merlis -** *Stable Matching with Ties: Approximation Ratios and Learning*

14:30 - 15:00 **Etienne Boursier -** *Mitigating externalities in online learning*

15:00 - 15:30 **Tomer Koren -** *Bandits for free in Multiclass Classification*

15:30 - 16:00 *Coffee Break*

16:00 - 16:30 **Alessandro Lazaric -** *An unsupervised journey in reinforcement learning*

16:30 - 17:00 **Claire Vernade -** *Foundations for Continual Reinforcement Learning*

17:00 - 17:30 **Katrina Ligatte -** *Doing science: replication, overfitting, and the scientific process*