

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** - *Alternative Key Schedules for the AES*

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*

18:30 - *Social Event (to be confirmed)*

THURSDAY, NOVEMBER 14, 2024

— — — *Change of Building* — — —

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 Ligett** - *Doing science: replication, overfitting, and the scientific process*