ICALP 2023

Tuesday, July 11, 2023

Track A-4: Mixed topics - F0.530 (10:30 AM - 12:30 PM)

  -Conveners: Pasin Manurangsi

time	[id] title	presenter
10:30 AM	[22] Searching for Regularity in Bounded Functions	WHITMEYER, Michael
10:55 AM	[23] A Sparse Johnson-Lindenstrauss Transform using Fast Hashing	HOUEN, Jakob Bæk Tejs
11:20 AM	[24] A Hyperbolic Extension of Kadison-Singer Type Results	ZHANG, Xinzhi
11:45 AM	[25] The Impacts of Dimensionality, Diffusion, and Directedness on Intrinsic Cross-Model Simulation in Tile-Based Self-Assembly	HADER, Daniel
12:10 PM	[26] Completely Reachable Automata: A Polynomial Algorithm and Quadratic Upper Bounds	SZYKUŁA, Marek

Track A-4: Sublinear algorithms, streaming - F0.530 (3:30 PM - 5:05 PM)

  -Conveners: Yusuke Kobayashi

time	[id] title	presenter
3:30 PM	[44] Lower Bounds for Pseudo-Deterministic Counting in a Stream	SAPIR, Shay
3:55 PM	[45] Streaming k-edit approximate pattern matching via string decomposition	KOUCKY, Michal
4:20 PM	[46] Sublinear Algorithms and Lower Bounds for Estimating MST and TSP Cost in General Metrics	CHEN, Yu
4:45 PM	[47] Sublinear Time Eigenvalue Approximation via Random Sampling	RAY, Archan

Wednesday, July 12, 2023

Track A-4: Computational and communication complexity, and hardness - **F0.530 (10:30 AM - 12:30 PM)**

   -**Conveners: Michal Koucky**

time	[id] title	presenter
10:30 AM	[67] Low-depth arithmetic circuit lower bounds: Bypassing set-multilinearization	THANKEY, Bhargav AMIREDDY, Prashanth
10:55 AM	[68] New PRGs for Unbounded-width/Adaptive-order Read-once Branching Programs	WU, Hongxun
11:20 AM	[69] The Communication Complexity of Set Intersection under Product Distributions	ROTH, Tal
11:45 AM	[70] Robust Communication Complexity of Matching: EDCS Achieves 5/6 Approximation	AZARMEHR, Amir
12:10 PM	[71] Hardness of Finding Combinatorial Shortest Paths on Graph Associahedra	ITO, Takehiro OKAMOTO, Yoshio KOBAYASHI, Yusuke NOZAKI, Yuta

Thursday, July 13, 2023

Track A-4: Graphs, hypergraphs and strings - F0.530 (10:30 AM - 12:30 PM)

-Conveners: Aaron Bernstein

time	[id] title	presenter
10:30 AM	[92] Local Computation Algorithms for Hypergraph Coloring - following Beck's approach	DOROBISZ, Andrzej
10:55 AM	[93] Nearly Tight Spectral Sparsification of Directed Hypergraphs	OKO, Kazusato
11:20 AM	[94] Expander Decomposition with Fewer Inter-Cluster Edges Using a Spectral Cut Player	DORFMAN, Dani
11:45 AM	[95] On Finding Constrained Independent Sets in Cycles	HAVIV, Ishay
12:10 PM	[96] Convergence of the number of period sets in strings	RIVALS, Eric WANG, Pengfei