

# Tuesday March 12th, 2024

time slot	Amphi 1	Amphi 2
08:30-09:30	Registration	
09:30-09:45	Welcome — Amphi 1	
	Session 1 (Track A) — chair: CHRISTOPHE PAUL	Session 2 (Track A) — chair: SOPHIE HUIBERTS
09:50-10:15	HARRIS DAVID: “A faster algorithm for Vertex Cover parameterized by solution size”	ZEKUN YE: “Quantum and Classical Communication Complexity of Permutation-Invariant Functions”
10:15-10:40	JAKUB BALABAN: “Computing Twin-Width Parameterized by the Feedback Edge Number”	GEOFFROY CAILLAT-GRENIER: “Spectral approach to the communication complexity of multi-party key agreement”
10:40-11:05	* IGOR RAZGON: “FPT Approximation of Generalised Hypertree Width for Bounded Intersection Hypergraphs”	JESSE VAN RHIJN: “Worst-Case and Smoothed Analysis of Hartigan’s Method for k-Means Clustering”
11:05-11:30	* ILDIKO SCHLOTTER: “Shortest Two Disjoint Paths in Conservative Graphs”	* SWAGATO SANYAL: “Randomized query composition and product distributions”
11:30-13:00	Lunch	
13:00-14:00	Invited speaker: SZYMON TORUŃCZYK: — chair: MAMADOU M. KANTÉ “Structurally tractable graph classes” — Amphi 1	
14:00-14:20	Coffee break	
	Session 3 (Track A) — chair: IOAN TODINCA	Session 4 (Track A) — chair: CYRIL NICAUD
14:20-14:45	JACK DIPPEL: “One $n$ Remains to Settle the Tree Conjecture”	AGRIM DEWAN: “Testing equivalence to design polynomials”
14:45-15:10	CHRISTOPHE PAUL: “Tree-Layout Based Graph Classes: Proper Chordal Graphs”	DHARA THAKKAR: “On the power of border width-2 ABPs over fields of characteristic 2”
15:10-15:35	LAURENT VIENNOT: “Temporalizing digraphs via linear-size balanced bi-trees”	JACEK KRZACZKOWSKI: “Circuit equivalence in 2-nilpotent algebras”
15:35-16:00	FLORIAN ANDREAS MARWITZ: “Faster Graph Algorithms Through DAG Compression”	MICHAEL KOMPATSCHER: “The subpower membership problem of 2-nilpotent algebras”
16:00-16:20	Coffee break	
	Session 5 (Track A) — chair: KIM THANG NGUYEN	Session 6 (Track A) — chair: ANTOINE AMARILLI
16:20-16:45	YUTONG YANG: “A Faster Algorithm for Constructing the Frequency Difference Consensus Tree”	LISA WILHELMI: “Algorithms for Claims Trading”
16:45-17:10	FRANZISKA EBERLE: “ $O(1/\epsilon)$ is the answer in online weighted throughput maximization”	DANIEL NEUEN: “Homomorphism-Distinguishing Closedness for Graphs of Bounded Tree-Width”
17:10-17:35	FABIAN FREI: “Removable Online Knapsack and Advice”	NINA RUNDE: “The Complexity of Homomorphism Reconstructibility”
17:35-18:00	MATTHIAS GEHNEN: “Online Simple Knapsack with Bounded Predictions”	OLEG VERBITSKY: “On a Hierarchy of Spectral Invariants for Graphs”
18:30-22:30	Welcome Food and Drinks: Regional Products Tasting - ISIMA building, room A002	

\*: online presentation