Optimality and Tight Results in Parameterized Complexity

Monday, November 3rd

9:00– 9:10	Opening
9:10–10:00	Marek Cygan: Exponential Time Hypothesis, Part 1
10:00–10:30	Coffee break
10:30–11:30	Michał Pilipczuk: Exponential Time Hypothesis, Part 2
11:30–12:00	Markus Dregi: Parameterized Complexity of Bandwidth on Trees
12:15	Lunch
3:30– 4:00	Coffee break
4:00– 4:30	Thore Husfeldt: Shortest Two Disjoint Paths in Polynomial Time
4:30– 5:00	MohammadTaghi Hajiaghayi: Parameterized Streaming: Maximal Matching and Vertex Cover
5:00– 6:00	Open problem session
6:00	Dinner

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Tuesday, November 4th

9:00–10:00	Daniel Lokshtanov: The Strong Exponential Hypothesis
10:00–10:30	Coffee break
10:30–11:30	Virginia Vassilevska Williams: Implications of SETH for polynomial time problems
11:30–12:00	Gregory Z. Gutin: FPT algorithms for the Workflow Satisfiability Problem with User-Independent Constraints: Optimality and Experimental Evaluation
12:15	Lunch
3:30– 4:00	Coffee break
4:00– 5:00	Stefan Szeider: Backdoors, Satisfiability, and Problems Beyond NP
5:00– 6:00	
6:00	Dinner

Optimality and Tight Results in Parameterized Complexity

Wednesday, November 5th

9:00– 9:30	Bart Jansen: Uniform Kernelization Complexity of Hitting Forbidden Minors
9:30–10:00	Ondřej Suchý: Tree Deletion Set Has a Polynomial Kernel (but no OPT $O(1)$ Approximation)
10:00–10:30	Coffee break
10:30–11:00	Geevarghese Philip: Point Line Cover: The easy kernel is essentially the best
11:00–11:30	Christian Knauer: The parameterized complexity of (some) geometric problems
11:30–12:00	Iyad A. Kanj: Flip Distance is in FPT time $O(n + kc^k)$
12:15	Lunch
	Afternoon: Hike
6:00	Dinner

Optimality and Tight Results in Parameterized Complexity

Thursday, November 6th

9:00–10:00	Saket Saurabh: Fixed-parameter tractable canonization and isomorphism test for graphs of bounded treewidth
10:00–10:30	Coffee break
10:30–11:00	Hans L. Bodlaender: On Courcelle's conjecture
11:00–11:30	Marcin Pilipczuk: Hitting forbidden subgraphs in graphs of bounded treewidth
11:30–12:00	Mark Jones: The Mixed Chinese Postman Problem
12:15	Lunch
3:30– 4:00	Coffee break
4:00– 4:30	Radu Curticapean: The complexity of counting k-matchings revisited
4:30– 5:00	Andreas Björklund: Fast modular permanents
5:00– 5:30	Lukasz Kowalik: Fast Witness Extraction Using a Decision Oracle
5:30– 6:00	Andrew Drucker: Kernelization lower bounds from weaker hardness assumptions
6:00	Dinner

Optimality and Tight Results in Parameterized Complexity

Friday, November 7th

9:00–10:00	Dániel Marx: Every graph is easy or hard: dichotomy theorems for graph problems
10:00–10:30	Coffee break
10:30–11:00	Christian Komusiewicz: On Graph Motif problems parameterized by dual
11:00–11:30	Anders Yeo: Parameterized Complexity of the k-Chinese postmen problem
12:15	Lunch