CSR 2018 Program

Talk	Speaker
June 5	
Welcome Reception, Registration	
June 6	
Registration	
Constructive and Non-constructive Combinatorics	Noga Alon
Coffee break	
Maintaining chordal graphs dynamically: improved upper and lower bounds	Niranka Banerjee, Venkatesh Raman and Srinivasa Rao Satti
The Clever Shopper Problem	Laurent Bulteau, Danny Hermelin, Anthony Labarre and Stéphane Vialette
Distributed Symmetry-Breaking Algorithms for Congested Cliques	Leonid Barenboim and Victor Khazanov
Lunch	
Limitations of algebraic lower bound proofs	Markus Bläser
Coffee break	
Structural Parameterizations of Dominating Set Variants	Dishant Goyal, Ashwin Jacob, Kaushtubh Kumar, Diptapriyo Majumdar and Venkatesh Raman
Conflict Free Version of Covering Problems on Graphs: Classical and Parameterized	Pallavi Jain, Lawqueen Kanesh and Pranabendu Misra
Max-Cut Above Spanning Tree is Fixed Parameter Tractable	Jayakrishnan Madathil, Saket Saurabh and Meirav Zehavi
June 7	
Online labeling: algorithms, lower bounds and open questions	Michael Saks
Coffee break	
On Strong NP-Completeness of Rational Problems	Dominik Wojtczak
	Welcome Reception, Registration June 6 Registration Constructive and Non-constructive Combinatorics Coffee break Maintaining chordal graphs dynamically: improved upper and lower bounds The Clever Shopper Problem Distributed Symmetry-Breaking Algorithms for Congested Cliques Lunch Limitations of algebraic lower bound proofs Coffee break Structural Parameterizations of Dominating Set Variants Conflict Free Version of Covering Problems on Graphs: Classical and Parameterized Max-Cut Above Spanning Tree is Fixed Parameter Tractable June 7 Online labeling: algorithms, lower bounds and open questions Coffee break On Strong NP-Completeness of Rational

11:30-12:00 Complexity and Inapproximability Results for Parallel Task Scheduling and Strip Packing 12:30-14:30 Lunch 14:30-15:00 On vertex coloring without monochromatic triangles and Membership Problems for Set Alexander Rubtsov and Mikhail Automata 15:00-15:30 On Emptiness and Membership Problems for Set Alexander Rubtsov and Mikhail Automata 16:00-16:30 Operations on Boolean and Alternating Finite Automata Operations on Boolean and Alternating Finite Automata 16:30-17:00 Complement for Two-Way Alternating Automata 10:30-17:00 Coffee break 10:30-11:00 Coffee break 10:30-11:00 Coffee break 11:00-11:30 On the decision trees with symmetries Artur Riazanov Rahul Santhanam 10:30-12:00 Quadratically Tight Relations for Randomized Scripta Kundu, Troy Lee, Miklos Santha, Swagato Sanyal and Jevgenijs Vilnrovs 12:00-12:30 Recognizing Read-Once Functions from Depth-Three Formulas 13:10-15:10 Lunch 15:10-18:30 Excursion 16:30-10:30 Lower Bounds for Unrestricted Boolean Circuits: Open Problems Alexander Kuflikov	Time	Talk	Speaker
12:30-12:30	11:30-12:00		
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Lower Bounds for Unrestricted Boolean Circuits: Alexander Kulikov	18:30-21:00	Conference Dinner	
19:30-10:30 Alexander Kulikov		June 9	
	09:30-10:30		Alexander Kulikov

Time	Talk	Speaker
10:30-11:00	Coffee break	
11:00-11:30	Periodicity in Data Streams with Wildcards	Funda Ergun, Elena Grigorescu, Erfan Sadeqi Azer and Samson Zhou
11:30-12:00	A New Algorithm for Finding Closest Pair of Vectors	Ning Xie, Shuai Xu and Yekun Xu
12:00-12:30	Maximum colorful cycles in vertex-colored graphs	Giuseppe F. Italiano, Yannis Manoussakis, Nguyen Kim Thang and Hong Phong Pham
12:30-14:30	Lunch	
14:30-15:30	Physarum Solves Non-Negative Undirected Linear Programs	Kurt Mehlhorn
15:30-16:00	Coffee break	
16:00-16:30	Grammar-based compression of unranked trees	Adria Gascon, Markus Lohrey, Sebastian Maneth, Carl Philipp Reh and Kurt Sieber
16:30-17:00	Closure under reversal of languages over infinite alphabets	Daniel Genkin, Michael Kaminski and Liat Peterfreund
17:00-17:30	Slopes of 3-dimensional Subshifts of Finite Type	Etienne Moutot and Pascal Vanier
	June 10	
09:30-10:30	Complexity of generation	Vladimir Gurvich
10:30-11:00	Coffee break	
11:00-11:30	Can We Create Large k-Cores by Adding Few Edges?	Rajesh Chitnis and Nimrod Talmon
11:30-12:00	Facility location on planar graphs with unreliable links	N.S. Narayanaswamy, Meghana Nasre and Vijayaragunathan Ramamoorthi