

CSR 2018 Program

Time	Talk	Speaker
June 5		
18:00-20:00	Welcome Reception, Registration	
June 6		
08:30-09:30	Registration	
09:30-10:30	Constructive and Non-constructive Combinatorics	Noga Alon
10:30-11:00	Coffee break	
11:00-11:30	Maintaining chordal graphs dynamically: improved upper and lower bounds	Niranka Banerjee, Venkatesh Raman and Srinivasa Rao Satti
11:30-12:00	The Clever Shopper Problem	Laurent Bulteau, Danny Hermelin, Anthony Labarre and Stéphane Vialette
12:00-12:30	Distributed Symmetry-Breaking Algorithms for Congested Cliques	Leonid Barenboim and Victor Khazanov
12:30-14:30	Lunch	
14:30-15:30	Limitations of algebraic lower bound proofs	Markus Bläser
15:30-16:00	Coffee break	
16:00-16:30	Structural Parameterizations of Dominating Set Variants	Dishant Goyal, Ashwin Jacob, Kaushtubh Kumar, Diptapriyo Majumdar and Venkatesh Raman
16:30-17:00	Conflict Free Version of Covering Problems on Graphs: Classical and Parameterized	Pallavi Jain, Lawqueen Kanesh and Pranabendu Misra
17:00-17:30	Max-Cut Above Spanning Tree is Fixed Parameter Tractable	Jayakrishnan Madathil, Saket Saurabh and Meirav Zehavi
June 7		
09:30-10:30	Online labeling: algorithms, lower bounds and open questions	Michael Saks
10:30-11:00	Coffee break	
11:00-11:30	On Strong NP-Completeness of Rational Problems	Dominik Wojtczak

Time	Talk	Speaker
11:30-12:00	Complexity and Inapproximability Results for Parallel Task Scheduling and Strip Packing	Sören Henning, Klaus Jansen, Malin Rau and Lars Schmarje
12:00-12:30	A Tight Lower Bound for Steiner Orientation	Rajesh Chitnis and Andreas Emil Feldmann
12:30-14:30	Lunch	
14:30-15:00	On vertex coloring without monochromatic triangles	Michał Karpiński and Krzysztof Piecuch
15:00-15:30	On Emptiness and Membership Problems for Set Automata	Alexander Rubtsov and Mikhail Vyalyi
15:30-16:00	Coffee break	
16:00-16:30	Operations on Boolean and Alternating Finite Automata	Michal Hospodár, Galina Jiraskova and Ivana Krajňáková
16:30-17:00	Complement for Two-Way Alternating Automata	Viliam Geffert
June 8		
09:30-10:30	Reading MCSP through SAT	Rahul Santhanam
10:30-11:00	Coffee break	
11:00-11:30	On the decision trees with symmetries	Artur Riazanov
11:30-12:00	Quadratically Tight Relations for Randomized Query Complexity	Rahul Jain, Hartmut Klauck, Srijita Kundu, Troy Lee, Miklos Santha, Swagato Sanyal and Jevgēnijs Vihrovs
12:00-12:30	Recognizing Read-Once Functions from Depth-Three Formulas	Alexander Kozachinskiy
12:30-13:10	Business meeting	
13:10-15:10	Lunch	
15:10-18:30	Excursion	
18:30-21:00	Conference Dinner	
June 9		
09:30-10:30	Lower Bounds for Unrestricted Boolean Circuits: Open Problems	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