

# CSR 2018 Program

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

Time	Talk	Speaker
12:00-12:30	<b>A Tight Lower Bound for Steiner Orientation</b>	Rajesh Chitnis and Andreas Emil Feldmann
12:30-14:30	<b>Lunch</b>	
14:30-15:30	<b>A constant-factor approximation algorithm for the asymmetric traveling salesman problem</b>	László A. Végh
15:30-16:00	<b>Coffee break</b>	
16:00-16:30	<b>On Emptiness and Membership Problems for Set Automata</b>	Alexander Rubtsov and Mikhail Vyalyi
16:30-17:00	<b>Operations on Boolean and Alternating Finite Automata</b>	Michal Hospodár, Galina Jiraskova and Ivana Krajňáková
17:00-17:30	<b>Complement for Two-Way Alternating Automata</b>	Viliam Geffert
<b>June 8</b>		
09:30-10:30	<b>Reading MCSP through SAT</b>	Rahul Santhanam
10:30-11:00	<b>Coffee break</b>	
11:00-11:30	<b>On the decision trees with symmetries</b>	Artur Riazanov
11:30-12:00	<b>Quadratically Tight Relations for Randomized Query Complexity</b>	Rahul Jain, Hartmut Klauck, Srijita Kundu, Troy Lee, Miklos Santha, Swagato Sanyal and Jevgēnijs Vihrovs
12:00-12:30	<b>Recognizing Read-Once Functions from Depth-Three Formulas</b>	Alexander Kozachinskiy
12:30-14:30	<b>Lunch</b>	
14:30-18:30	<b>Excursion</b>	
18:30-22:30	<b>Conference Dinner</b>	
<b>June 9</b>		
09:30-10:30	<b>Lower Bounds for Unrestricted Boolean Circuits: Open Problems</b>	Alexander Kulikov

Time	Talk	Speaker
10:30-11:00	<b>Coffee break</b>	
11:00-11:30	<b>Periodicity in Data Streams with Wildcards</b>	Funda Ergun, Elena Grigorescu, Erfan Sadeqi Azer and Samson Zhou
11:30-12:00	<b>A New Algorithm for Finding Closest Pair of Vectors</b>	Ning Xie, Shuai Xu and Yekun Xu
12:00-12:30	<b>Maximum colorful cycles in vertex-colored graphs</b>	Giuseppe F. Italiano, Yannis Manoussakis, Nguyen Kim Thang and Hong Phong Pham
12:30-14:30	<b>Lunch</b>	
14:30-15:30	<b>Physarum Solves Non-Negative Undirected Linear Programs</b>	Kurt Mehlhorn
15:30-16:00	<b>Coffee break</b>	
16:00-16:30	<b>Grammar-based compression of unranked trees</b>	Adria Gascon, Markus Lohrey, Sebastian Maneth, Carl Philipp Reh and Kurt Sieber
16:30-17:00	<b>Closure under reversal of languages over infinite alphabets</b>	Daniel Genkin, Michael Kaminski and Liat Peterfreund
17:00-17:30	<b>Slopes of 3-dimensional Subshifts of Finite Type</b>	Etienne Moutot and Pascal Vanier
	<b>June 10</b>	
09:30-10:30	<b>Complexity of generation</b>	Vladimir Gurvich
10:30-11:00	<b>Coffee break</b>	
11:00-11:30	<b>Can We Create Large k-Cores by Adding Few Edges?</b>	Rajesh Chitnis and Nimrod Talmon
11:30-12:00	<b>Facility location on planar graphs with unreliable links</b>	N.S. Narayanaswamy, Meghana Nasre and Vijayaragunathan Ramamoorthi
12:00-12:30	<b>On vertex coloring without monochromatic triangles</b>	Michał Karpiński and Krzysztof Piecuch