

**Program for the Workshop on Algorithms in
Communication Complexity, Property Testing and Combinatorics**

Also is available as [pdf file](#).

Time	Title	Speaker
April 9, Saturday, Tutorials		
13:00-14:00	Registration and coffee	
14:00-15:30	Locality in Coding Theory (1)	Madhu Sudan
15:30-16:00	Coffeebreak	
16:00-17:30	Locality in Coding Theory (2)	Madhu Sudan
April 10, Sunday, Tutorials		
10:00-11:30	Communication complexity (1)	Amir Yehudayoff
11:30-12:00	Coffeebreak	
12:00-13:30	Communication complexity (2)	Amir Yehudayoff
13:30-15:00	Lunch	
15:00-16:30	Introduction to Property Testing	Sofya Raskhodnikova
16:30-17:00	Coffeebreak	
17:00-18:30	Testing Graph Properties	Artur Czumaj
April 11, Monday, Day 1		
10:00-11:00	Communication Amid Uncertainty	Madhu Sudan
11:00-11:30	Coffeebreak	
11:30-12:10	Balanced Allocation on Graphs: A Random Walk Approach	Ali Pourmiri
12:10-12:50	Towards Constant Size Graphs That Preserve the Local Structure of Large Graphs	Hendrik Fichtenberger
12:50-14:20	Lunch	
14:20-15:20	Kolmogorov width of discrete linear spaces: an approach to matrix rigidity	Sergey Yekhanin
15:30-16:10	How Limited Interaction Hinders Real Communication (and What It Means for Proof and Circuit Complexity)	Jakob Nordström

16:10-16:40	Coffeebreak	
16:40-17:40	Geometric stability via information theory	Amir Yehudayoff
17:50-18:30	On Slepian-Wolf theorem with interaction	Alexander Kozachinsky
April 12, Tuesday, Day 2		
10:00-11:00	Public-setup computational integrity from quasi-linear PCPs	Eli Ben-Sasson
11:00-11:30	Coffeebreak	
11:30-12:10	On the Space Complexity of Computing Degeneracy in Streaming Model	Meng-Tsung Tsai
12:10-12:50	k-Vertex Graph Connectivity Problem in the Streaming Settings	Meng Li
12:50-14:20	Lunch	
14:20-15:20	Approximate Nonnegative Rank is Equivalent to the Smooth Rectangle Bound	Amir Shpilka
15:30-16:10	Tribes is hard in the message passing model	Sagnik Mukhopadhyay
16:10-16:40	Coffeebreak	
16:40-17:20	Streaming Property Testing of Visibly Push-Down Languages	Nathanaël François
17:20-18:00	Fair Hierarchical Resource Scheduling	Andrei Kashin
April 13, Wednesday, Day 3		
10:00-11:00	Testing clustering in graphs	Artur Czumaj
11:00-11:30	Coffeebreak	
11:30-12:10	Unit-distance graph recognition complexity	Mikhail Tikhomirov
12:10-12:50	Independence numbers of random subgraphs of some distance graphs	Andrei Raigorodskii
12:50-14:20	Lunch	
14:20-15:20	Fast sample-based testers for visual properties	Sofya Raskhodnikova
15:20-15:50	Coffeebreak	
15:50-16:30	The Role of Adaptivity in Testing Visual Properties	Meiram Murzabulatov
16:30-17:10	Relating Two Property Testing Models for Bounded Degree Directed Graphs	Pan Peng

