

**The 13th International Conference on
RANDOM STRUCTURES AND ALGORITHMS
Tel Aviv University, Tel Aviv, May 28-June 1, 2007**

Conference Program

The conference will take place in the **Tel Aviv University campus**.

All plenary talks will be held in the "Cymbalista Jewish Heritage Center" lecture hall, unless explicitly stated otherwise.

The contributed talks will be held in the Shenkar-physics building, lecture halls Melamed 006 (Session I) and Holcblat 007 (Session II).

See <http://www.cs.tau.ac.il/~rsa2007/local/taumap.JPG> for directions.

Monday (May 28):

10:00 – 10:50	Madhu Sudan; List-Decoding: A Survey (plenary talk).	
Coffee break		
11:20 – 12:10	Van Vu; On perfect factoring of random (hyper)-graphs (plenary talk).	
Lunch break		
Contributed talks in parallel sessions.	Session I Melamed 006	Session II Holcblat 007
14:00 – 14:25	Simon Litsyn; On concentration of Boolean non-linearity.	Boris Granovsky; Extension of Meinardus theorem for weighted partitions.
14:30 – 14:55	Xavier Pérez-Giménez; Dynamic Random Geometric Graphs.	Edyta Szymańska; The complexity of perfect matchings in hypergraphs.
15:00 – 15:25	Johan Jonasson; Invariant iid-degree random graphs in a general geography.	Pawel Hitczenko; Statistics in permutation tableaux.
Coffee break		
16:00 – 16:25	Miklós Ruszinkó; Szemerédi Lemma in Ramsey Theory.	Ljuben Mutafchiev; Survival Probabilities for N-ary Subtrees on a Galton-Watson Family Tree.
16:30 – 16:55	Reto Spöhel; Asymmetric Ramsey properties of random graphs involving cliques.	Malwina Luczak; Percolation on the 2D Hamming graph: the supercritical phase.
Coffee break		
17:30 – 17:55	Andrzej Dudek; On the Folkman Number $f(2_3_4)$.	Konstantinos Panagiotou; The Santa Claus Problem in a Probabilistic Setting.
18:00 – 18:25	Boris Bukh; Induced subgraphs of Ramsey graphs with many distinct degrees.	Mihyun Kang; Local limit theorems for the giant component of random graphs.
18:30 – 20:00	Reception	

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Tuesday (May 29):

10:00 – 10:50	Yuval Peres; Critical random graphs: diameter and mixing time (plenary talk).	
Coffee break		
11:20 – 12:10	Ronitt Rubinfeld; Testing Properties of Distributions (plenary talk).	
Lunch break		
Contributed talks in parallel sessions.	Session I Melamed 006	Session II Holcblat 007
14:00 – 14:25	Benjamin Sudakov; Density theorems for bipartite graphs.	Prasad Tetali; Subadditivity of entropy and applications.
14:30 – 14:55	Peter Keevash; A hypergraph regularity method for generalised Turan problems.	Sergiy Sidenko; Convergence of Kac's Random Walk.
Coffee break		
15:30 – 15:55	Raphael Yuster; Packing cliques in graphs with independence number 2.	Ross Pinsky; Law of large numbers for increasing subsequences in random permutations.
16:00 – 16:25	Martin Marcinišzyn; Resilience of Long Cycles in Random Graphs.	Eyal Rozenberg; Lower bound on testing colored bipartite graphs and tensors.
16:30 – 16:55	Eyal Lubetzky; Non-backtracking random walks on expanders.	Arie Matsliah; Testing ST-connectivity in directed graphs.
17:30 – last runner	Random Run	

Wednesday (May 30):

10:00 – 10:50	Imre Ruzsa; Sumsets, arithmetical progressions, entropy (plenary talk).
Coffee break	
11:20 – 12:10	Irit Dinur; Local consistency in direct products (plenary talk).
Lunch break	
Excursion to Jerusalem (leaving at 14:00, estimated return to Tel Aviv at 21:00)	

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Thursday (May 31):

10:00 – 10:50	Charles Newman; Random Graphs, Spin Glasses and Percolation (plenary talk).	
Coffee break		
11:20 – 12:10	Tomasz Łuczak; Pseudo-randomness (plenary talk).	
Lunch break		
Contributed talks in parallel sessions.	Session I Melamed 006	Session II Holcblat 007
14:00 – 14:25	Asaf Shapira; The effect of induced subgraphs on quasi-randomness.	Alexander Kostochka; Equitable colorings of graphs.
14:30 – 14:55	Uri Stav; Can a graph have distinct regular partitions?	Jarek Grytczuk; Graph coloring and Diophantine approximation.
15:00 – 15:25	Gábor Kun; Expander relational structures and their applications.	Balázs Patkós; Equitable colorings of random graphs.
Coffee break		
16:00 – 16:25	Tibor Szabó; Pseudorandomness in positional games.	Tatyana Turova; Phase transitions in random graphs with local and global connections.
16:30 – 16:55	Dan Hefetz; Unbiased games on random graphs.	Asaf Nachmias; Analyzing mixing time via the near critical Erdos-Renyi random graph.
17:00 – 17:25	Miloš Stojaković; Online balanced graph avoidance games.	Ron Peled; k-wise independent events and percolation.
Coffee break		
18:00 – 18:25	Nikolaos Fountoulakis; The order of the largest complete minor in a random graph.	Nathan Keller; On the correlation of monotone families.
18:30 – 18:55	Pawel Pralat; Threshold for k-regular subgraphs of random graphs.	Marian Dondajewski; On a sale-free tree.

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Friday (June 1):

Contributed talks in parallel sessions.	Session I Melamed 006	Session II Holcblat 007
09:45 – 10:10	Dimitris Achlioptas; Random Constraint Satisfaction Problems: from Physics to Algorithms.	Jerzy Jaworski; Some remarks on a new model of a random mapping.
10:15 – 10:40	Dan Vilenchik; It's all about the support: a new perspective for the satisfiability problem.	Nicla Bernasconi; Degree Sequences of Random Graphs via Boltzmann Samplers.
10:45 – 11:10	Mira Gonen; On the Benefits of Adaptivity in Property Testing of Dense Graphs.	Nick Wormald; A model of recursively generated random regular graphs.
Coffee break		
11:45 – 12:10	Julia Böttcher; Bounded degree subgraphs of dense graphs.	Alan Frieze; Log-Concave Random Graphs.
12:15 – 12:40	Domingos Dellamonica; Universality of Random Graphs.	Eitan Bachmat; Random chains and anti-chains in discrete space-time.
Coffee break		
13:10 – 14:00	János Pach; Decomposition of multiple coverings (plenary talk). Melamed 006.	