

Scientific Program

	May 16, Saturday	May 17, Sunday
9:00-9:45	László Lovász Optimization in large unknown graphs	Satoru Iwata Submodular Function Minimization under Covering Constraints
9:50-10:10	Takeshi Tokuyama Geometric Routing on Ad-Hoc Networks	Mizuyo Takamatsu Matroidal Characterization on Index of DAEs in Hybrid Analysis for General Circuits
10:15-10:35		Akiyoshi Shioura A divide-and-conquer approach for polymatroid optimization with application to preemptive scheduling problems
10:35-11:15	Coffee	
11:15-11:35	Dániel Marx Constant ratio fixed-parameter approximation of the edge multicut problem	Nándor Sieben Pebbling Weighted Graphs
11:40-12:00	Ildikó Schlotter Parameterized Graph Cleaning Problems	Piroska B. Kis Development of the Relational Algebra Motivated by the Practice
12:05-12:25	Yota Otachi A lower bound for tree-width of Cartesian product graphs	Antal Buza Towards Better Modelling of Supermarket
	Lunch Break	
14:10-14:55	Kazuo Murota Simultaneous Singular Value Decomposition	Hiroshi Hirai Multiflow feasibility problem for demand graph $K_3 + K_3$
15:00-15:20	Tamás Fleiner Stable roommates with free edges	Yoshio Sano Subclasses of cg-matroids
15:25-15:45	Katarína Cechlárová On housing markets with duplicate houses	Dömötör Pálvölgyi Polychromatic colorings of arbitrary rectangular partitions
15:45-16:25	Coffee	
16:25-16:45	Martin Loeb Optimization and enumeration	Zoltán Király Maximum Number of Cycles and Hamiltonian Cycles in Sparse Graphs
16:50-17:10	Philipp Zumstein On the minimum degree of Ramsey-minimal graphs	Yoshiko Ikebe-Tamura Construction of Hamilton Path Tournament Designs
17:15-17:35	Zsolt Tuza Coloring intervals with four types of constraints	Illés Antal Horváth Extremal Stable Graphs
17:40-18:00	Hiroyuki Miyata A family of polytopal digraphs that do not satisfy the shelling property	Gyula Y. Katona Local topological toughness and local factors
18:30	Reception	

	May 18, Monday	May 19, Tuesday
9:00-9:45	Toshimasa Ishii Augmenting Edge-Connectivity between Vertex Subsets	Naoki Katoh Enumerating non-crossing geometric graphs
9:50-10:10	Takuro Fukunaga All HHD-free graphs are \mathbb{Z}_3 -connected	Torii Ryuzo Local structures in polyhedral maps on surfaces, and path transferability of graphs.
10:15-10:35	Attila Bernáth The node-to-area connectivity augmentation problem: related questions and results	Imre Bárány Infinite paths with no small angle
10:35-11:15	Coffee	
11:15-11:35	Yusuke Kobayashi Square-Free 2-Matchings in Bipartite Graphs and Jump Systems	Shin-ichi Tanigawa A Proof of the Molecular Conjecture
11:40-12:00	János Barát Tiling with dominoes and 2×2 squares	Tibor Jordán Inductive constructions in the analysis of two-dimensional rigid structures
12:05-12:25	András Sebő Generating All Sets with Bounded Unions	Viet Hang Nguyen On abstract rigidity matroids
Lunch Break		
14:10-14:55	Hiroshi Nagamochi Toward Characterization of Vertex-edge Graphs of Three-dimensional Nonconvex Polyhedra	Ken-ichi Kawarabayashi Hadwiger's Conjecture is Decidable
15:00-15:20	Kazuhisa Makino Berge Multiplication for Monotone Boolean Dualization	Ervin Györi Coloring Vertices and Edges of a Path by Nonempty Subsets of a Set
15:25-15:45		Gábor Simonyi Necklace splitting and the Tucker-Bacon theorem
15:45-16:25	Coffee	
16:25-16:45	Nao Kakimura Matching Structure of Symmetric Bipartite Graphs and a Generalization of Pólya's Problem	Ágnes Tóth Asymptotic values of graph parameters
16:50-17:10	Péter Ligeti How to use combinatorial tools in secret sharing problem on graphs	Júlia Pap Kernels and Sperner's Lemma
17:15-17:35	Attila Sali Partition critical hypergraphs	András Recski Is this matrix singular?
17:40-18:00	Kenjiro Takazawa A Weighted Independent Even Factor Algorithm	
18:30	Banquet	