12th Japanese-Hungarian Symposium
March 21-24, 2023 in Budapest, Hungary

March 21, Tuesday		
	Room Eötvös (0.83.)	**Room Than Károly (065)**
09:00	Registration	
09:50	Opening	
10:00	**H. Hirai**	
10:45	Algebraic combinatorial optimization for noncommutative rank & determinant	
10:50	Coffee break	
11:20	**S. Tanigawa**	
12:05	Rigidity of hypergraphs under algebraic constraints	
12:10	Lunch break	
14:00	**M. Higashida**	**Gy. O. H. Katona**
14:20	Abstract rigidity matroids of uniform hypergraphs	Extremal graphs without long paths and large cliques
14:25	**D. Garamvölgyi**	**B. Patkós**
14:45	Algebraic realizations of pairs of closure operators	Connected Turán number of trees
14:50	**T. Jordán**	**K. Encz**
15:10	On generic universal rigidity on the line	Extremal graph theoretical questions for q-ary graphs
15:15	Coffee break	
15:40	**A. Dumitrescu**	**T. Oki**
16:00	Two-sided convexity testing with certificates	Algebraic algorithms for fractional linear matroid parity via non-commutative rank
16:05	**Cs. D. Tóth**	**E. Szabó**
16:25	Geodesic diameter in polygons with holes	Submodular flows with minimal spread
16:30	**G. Tóth**	**A. Recski**
16:50	Helly-type theorems for hypergraphs	Genericity and maps of matroids
16:55	Break	
17:00	**V. E. Kaszanitzky**	**A. Shioura**
17:20	Rigid planar subgraphs in the triangulations of the double torus	A characterization of bivariate multi-unit assignment valuations
17:25	**Cs. Király**	**Á. Fraknói**
17:45	On the size of highly redundantly rigid graphs	Compiling packet programs to dRMT switches: Theory and algorithms
17:50	**L. Matúz**	**T. Király**
18:10	Pebble Game algorithms and their implementations	Scheduling under a resource constraint: The case of negligible processing times

18:30	Reception, BME Building Q

12th Japanese-Hungarian Symposium
March 21-24, 2023 in Budapest, Hungary

March 22, Wednesday		
	Room Eötvös (0.83.)	**Room Than Károly (065.)**
09:00	**N. Kakimura**	
09:45	Matching in Bipartite Graphs with Stochastic Arrivals and Departures	
09:50	Break	
10:00	**K. Bérczi**	
10:45	Dynamic pricing schemes	
10:50	Coffee break	
11:20	**R. Mizutani**	**L. M. Mendoza-Cadena**
11:40	Supermodular extension of Vizing's edge-coloring theorem	Newton-type algorithms for inverse optimization problems I: Weighted infinity norm
11:45	**M. Simon**	**K. Varga**
12:05	On vertex-coloring {a,b}-edge-weightings of graphs	Newton-type algorithms for inverse optimization problems II: Weighted span
12:10	**J. Pintér**	**Gy. Pap**
12:30	Color-avoiding connected spanning subgraphs with minimum number of edges	New results on synchronized TSP
12:35	Lunch break	
14:00	**Z. Szigeti**	**B. Vass**
14:20	Packing mixed hyperarborescences	Faster algorithm for enumerating maximal sets of close line segments
14:25	**N. A. Borsik**	**E. Bérczi-Kovács**
14:45	Arc-partitioning and vertex-ordering problems	Polynomial-time algorithm for the regional SRLG-disjoint paths problem
14:50	**Z. L. Blázsik**	**S. Kumabe**
15:10	Quest for graphs of Frank number 3	Lipschitz continuous graph algorithms
15:15	Coffee break	
15:40	**L. Tóthmérész**	**H. Yamaji**
16:00	Degrees of interior polynomials and parking function enumerators	On the number of maximal cliques in two-dimensional random geometric graphs: Euclidean and hyperbolic
16:05	**P. P. Pach**	**K. Teramoto**
16:25	Common systems of two equations over the binary field	Quantum-relaxation based optimization algorithms: Theoretical extensions
16:30	**A. Sali**	**V. Nemkin**
16:50	Optimal cutting arrangements in 1D	Simulations of quantum walks on regular graphs
16:55	**A. Tóbiás**	**A. Pongrácz**
17:15	Absence of percolation in graphs based on stationery point processes with degrees bounded by two	Generalized solution for the Herman protocol conjecture

12th Japanese-Hungarian Symposium
March 21-24, 2023 in Budapest, Hungary

March 23, Thursday		
	Room Eötvös (0.83.)	**Room Than Károly (065.)**
09:00	**T. Tokuyama**	
09:45	Sorting columns of a matrix to optimize nondecreasing subsequences of rows	
09:50	Break	
10:00	**K. Makino**	
10:45	Composition ordering for linear functions	
10:50	Coffee break	
11:20	**T. Fleiner**	
12:05	Division of goods and bads to many players	
12:10	Lunch break	
13:40	**A. Sebő**	
14:00	Jump systems of T-paths	
14:05	**S. Iwata**	
14:25	Openly disjoint paths, jump systems, and discrete convexity	
14:30	**Y. Kobayashi**	
14:50	Reconfiguration of graph orientations with connectivity constraints	
14:55	Coffee break	
15:20	**Y. Yokoi**	**P. Ágoston**
15:40	Solving the maximum popular matching problem with matroid constraints	Orientation of convex sets
15:45	**G. Csáji**	**B. Keszegh**
16:05	Approximation algorithms for matroidal and cardinal generalizations of stable matching	Orientation of good covers
16:10	**Y. Amano**	**D. Nagy**
16:30	An FPT algorithm for the envy-free ride allocation with respect to destination types	The extensible No-Three-In-Line problem
16:35	Break	
16:45	**P. Gehér**	**Y. Iwamasa**
17:05	Chromatic number of Minkowski planes	A combinatorial algorithm for computing the entire sequence of the maximum degree of minors of a generic partitioned polynomial matrix with 2 × 2 submatrices
17:10	**A. Gujgiczer**	**K. Buza**
17:30	Widely colorable graphs and their multichromatic numbers	Data augmentation does not necessarily beat a smart algorithm
17:35	**G. Simonyi**	**L. Csató**
17:55	On the generalized Mycielskian of complements of odd cycles	Fairness versus transparency in the UEFA Champions League: How to choose a random perfect matching in a balanced bipartite graph

18:30	Banquet, Trófea Restaurant Újbuda

12th Japanese-Hungarian Symposium
March 21-24, 2023 in Budapest, Hungary

March 24, Friday		
	Room Eötvös (0.83.)	**Room Than Károly (065.)**
09:00	**Y. Yamaguchi**	
09:45	Matroid intersection under restricted oracles	
09:50	Break	
10:00	**R. Mahara**	**Á. Vékássy**
10:20	Finding a PROPavg allocation in polynomial time	The importance of being series-parallel
10:25	**P. Madarasi**	**Zs. Szádoczki**
10:45	Simultaneous assignments	The GRAPH of graphs of optimal subsets of pairwise comparisons
10:50	**Z. Király**	**G. Wiener**
11:10	Upper bounds for the necklace folding problems	Fault-tolerance of leaf-guaranteed graphs
11:15	Break	
11:40	**D. P. Szabo**	**A. Jung**
12:00	Connecting multicut and multiway cut using the complement of the demand graph	Radon number of graph families
12:05	**B. Mátravölgyi**	**H. Khan**
12:25	Weighted exchange distance of basis pairs	Polynomial time algorithm to compute the toughness in graphs with bounded treewidth
12:30	**T. Schwarcz**	**D. Pfeifer**
12:50	Partitioning into common independent sets via relaxing strongly base orderability	On a matrix representation of a sequence of chordal graphs