The 5th Slovenian International Conference on Graph Theory

Bled, Slovenia, June 22–27, 2003

PROGRAM

Sunday, June 22

14:15 – 14:30	**Opening**
14:30 – 14:50	*S. Klavžar:* Square-free colorings of graphs
14:55 – 15:15	*B. Brešar:* Cubic inflation, mirror graphs, Platonic graphs, and partial cubes
15:30 – 15:50	*W. Imrich:* Cartesian products of graphs
15:55 – 16:15	*R. Häggkvist:* Bootstrapping theorems by Petersen, Baebler, Belck and Gallai
16:20 – 16:45	**Coffee break**
16:45 – 17:35	*M. Muzychuk:* On isomorphism problem for Cayley graphs

Monday, June 23

9:00 – 9:50	*C. Praeger:* Homogeneous factorisations of graphs and digraphs
10:00 – 10:50	*J. Širáň:* Classification of regular maps of negative prime Euler characteristic
11:00 – 11:30	**Coffee break**
Session 1	
11:30 – 11:50	*D. Marušič:* Semiregular elements in 2-closed groups of square-free degree
12:00 – 12:20	*R. Jajcay:* Arithmetic conditions for vertex-transitivity of graphs
12:30 – 12:50	*M. Boben:* Irreducible configurations and graphs
Session 2	
11:30 – 11:50	*J. Huang:* The structure of bi-arc graphs
12:00 – 12:20	*H.-J. Lai:* Hamiltonian claw-free graphs
12:30 – 12:50	*N. López:* Structural properties of eccentric digraphs
13:00 – 15:00	**Lunch time**
Session 1	
15:00 – 15:20	*M. Kriesell:* Contracting locally connected graphs of prescribed vertex connectivity
15:30 – 15:50	*S. Bessy:* Spanning a strong digraph by α circuits: A proof of Gallai's conjecture
16:00 – 16:20	*O. Hudry:* Extremal values for the codes identifying vertices in graphs
Session 2	
15:00 – 15:20	*A. Jurišić:* TBA
15:30 – 15:50	*Š. Miklavič:* An equitable partition for a Q-polynomial kite-free distance-regular graph
16:00 – 16:20	*E. van Dam:* Combinatorial designs with two singular values
16:30 – 17:00	**Coffee break**
Session 1	
17:00 – 17:20	*T. Biyikoglu:* The rank of a cograph
17:30 – 17:50	*H. Bielak:* Ramsey and 2-local Ramsey numbers for some graphs
18:00 – 18:20	*J. Moncel:* The pentomino exclusion problem and generalization
18:30 – 18:50	*A. Vietri:* Arc-coloring of directed hypergraphs and chromatic number of walls
Session 2	
17:00 – 17:20	*P. Šparl:* Homomorphisms of hexagonal graphs to odd cycles
17:30 – 17:50	*A. Orbanić:* Blanuša double
18:00 – 18:20	*A. Žitnik:* Series parallel extensions of plane graphs to dual-eulerian graphs
18:30 – 18:50	*T. Ryuzo:* Transferability of graphs

Tuesday, June 24

9:00 – 9:50	*P. Cameron:* Permutations and codes: polynomials, bases, and covering radius
10:00 – 10:50	*B. Servatius:* Combinatorial pointed pseudo-triangulations
11:00 – 11:30	**Coffee break**
Session 1	
11:30 – 11:50	*C. P. Bonnington:* Toroidal triangulations are geometric
12:00 – 12:20	*A. Breda d'Azevedo:* Non-orientable regular hypermaps with few faces
12:30 – 12:50	*Y. S. Kwon:* New regular embeddings of n-cubes Q_n
Session 2	
11:30 – 11:50	*B. Zmazek:* Dominating graph bundles
12:00 – 12:20	*A. Vesel:* On resonance graphs of catacondensed hexagonal graphs: structure, coding, and hamilton path algorithm
12:30 – 12:50	*I. Peterin:* Fast recognition of subclasses of almost-median graphs
13:00 – 15:00	**Lunch time**
15:00 – 15:40	*M. E. Watkins:* Growth in Bilinski diagrams
Session 1	
15:45 – 16:05	*M. Klin:* A census of spreads in small $GQ(s,t)$ graphs and corresponding antipodal distance regular graphs of diameter 3
Session 2	
15:45 – 16:05	*G. Fijavž:* Weighted Hadwiger conjecture
16:15 – 16:45	**Coffee break**
Session 1	
16:45 – 17:05	*T. Pisanski:* Bokowski systems of curves
17:15 – 17:35	*H. Gropp:* Configurations — 75 years after the death of Ernst Steinitz
17:45 – 18:05	*R. Bacher:* Choosing trees in an orchard
18:15 – 18:35	*A. Malnič:* An infinite family of regular partial cubes
Session 2	
16:45 – 17:05	*M. Zaveršnik:* Short cycles connectivity
17:15 – 17:35	*D. Fronček:* Magic type labelings and tournament scheduling
17:45 – 18:05	*J. Žerovnik:* A remark on n-tuple colorings of planar graphs with large odd girth
18:15 – 18:35	*P. Shariefuddin:* On scores of oriented graphs

Wednesday, June 25

9:00 – 9:50	*B. Grünbaum:* Graphs of polyhedra; polyhedra as graphs
10:00 – 10:50	*V. Chepoi:* Algebraic characterization of weakly median graphs
10:55 – 11:15	**Coffee break**
11:15 – 11:55	*T. Tucker:* Balanced regular Cayley maps for abelian groups
12:00 – 12:30	*M. Conder:* Regular Cayley maps for finite abelian groups, II
	Excursion in the afternoon

Thursday, June 26

9:00 – 9:50	*M. N. Ellingham:* The nonorientable genus of complete tripartite graphs
10:00 – 10:50	*P. Hell:* Homomorphisms to graphs with bounded degrees
11:00 – 11:30	**Coffee break**
Session 1	
11:30 – 11:50	*K. Ando:* Vertices of degree 5 in a minimally contraction critically 5-connected graph
12:00 – 12:20	*T. Böhme:* Connectivity and minors in large graphs
12:30 – 12:50	*D. Bokal:* The minor crossing number
Session 2	
11:30 – 11:50	*M. Šajna:* Mobility of vertex-transitive graphs
12:00 – 12:20	*T. K. Lim:* Homogeneous factorisations of complete graphs with edge-transitive factors
12:30 – 12:50	*J. Šiagiová:* Infinite planar vertex-transitive and Cayley maps with a given covalence sequence
13:00 – 15:00	**Lunch time**
15:00 – 15:40	*J. Koolen:* Is there a finite number of distance-regular graphs with fixed valency?
Session 1	
15:45 – 16:05	*H. M. Mulder:* Signpost systems and their underlying graphs
Session 2	
15:45 – 16:05	*M. Hirasaka:* Construction of association schemes from difference sets
16:15 – 16:45	**Coffee break**
Session 1	
16:45 – 17:05	*A. Bonato:* Mutually embeddable vertex-transitive graphs and trees
17:15 – 17:35	*D. Delić:* Embeddings into the monoid of the random graph
17:45 – 18:05	*J. Jerebic:* The strong isometric dimension of graphs of diameter 2
Session 2	
16:45 – 17:05	*D. Catalano:* Approaching multiple-edge hypermaps
17:15 – 17:35	*M. Razpet:* The middle row of the principal cell
17:45 – 18:05	*M. Małafiejski:* On the chordless graphs
19:00 –	**Conference dinner (Kunstelj, Radovljica)**

Friday, June 27

9:00 – 9:50	*K. Kawarabayashi:* On disjoint paths problem
10:00 – 10:50	*R. Nowakowski:* Well covered graphs, decompositions and associated vector spaces
11:00 – 11:30	**Coffee break**
11:30 – 11:50	*B. Mohar:* Separation and rigidity indices of graphs
12:00 – 12:20	*D. M. Van Wieren:* On the domination number of the torus
12:30 – 12:50	*N. Bouz-Asal:* Graph processes derived from statistical correlation matrices