

SUNDAY 16:00 - 19:00

Registration (Hotel Kompas)

Monday	8:50 - 9:00	Opening (Rikli Balance H. - Arnorld Hall)						
	9:00 - 9:50	Daniel Král: Profiles of graphs and tournaments (Rikli Balance H. - Arnorld Hall)						
	9:55 - 10:45	Sergei Lando: Integrability property of polynomial graph invariants (Rikli Balance H. - Arnorld Hall)						
	10:45 - 11:15	coffee (Hotel Kompas)						
		Sym G & Maps	Spectral GT	Dist-regular	General GT	Struc&Algor GT	General GT	Designs
	11:15 - 11:35	L. Morgan: The distinguishing number of 2-arc-transitive graphs and permutation groups	M. Andelic: Tridiagonal matrices and spectral properties of some graph classes	R.F. Bailey: On distance-regular graphs on 486 vertices	G. Rácz: Generalized Lah numbers and their graph theoretical interpretation	M. Krnc: On the End-Vertex Problem of Graph Searches	F. Hoersch: Highly vertex-connected orientations of regular eulerian graphs	A. Pott: Homogeneous cubic bent functions
	11:35 - 11:55	M. Pišniak: Distinguishing colorings of maps	A. Abiad: A characterization and an application of weight-regular partitions of graphs	A. Neumaier: t-point counts in distance-regular graphs	G. Nyul: Various generalizations of Bell numbers	N.L.D. Sintiari: Layered wheels	Y. Suzuki: Partially Broken Orientations of Eulerian Plane Graphs	J.R. Schmitt: Distinct partial sums in cyclic groups
	11:55 - 12:15	R. Kalinowski: Symmetry breaking in claw-free graphs of small maximum degree	B. Mihalović: Some examples of transformations that preserve $\text{sgn}(\lambda_{2-r})$	H. Suzuki: The universal C-cover of a completely regular clique graph	G. Bacsó: The Equal-Sum-Free Subset problem	M. Hecht: Topological Invariants of Elementary Cycles and a Generalization of Biggs Theorem	I. Fabrici: Circumference of essentially 4-connected planar graphs	O. Olmez: Partial Geometric Designs and Their Links
	12:15 - 14:30	lunch						
	14:30 - 15:20	Xuding Zhu: List colouring and Alon-Tarsi number of planar graphs (Rikli Balance H. - Arnorld Hall)						
	15:20 - 15:50	coffee (Hotel Kompas)						
		Sym G & Maps	Spectral GT	General GT	Games G	Struc&Algor GT	General GT	Designs
	15:50 - 16:10	P. Potočník: Generalised voltage graphs	A. Gavriluyk: On the multiplicities of digraph eigenvalues	M. Dębski: Edge colorings avoiding patterns	J. Grytczuk: Choosability Games	M. Milanić: Avoidable Vertices, Avoidable Edges, and Implications for Highly Symmetric Graphs	S. Cichacz: Group distance magic hypercubes	D. Crnković: Self-orthogonal codes from block designs and association schemes
	16:10 - 16:30	N. Poznanovic: Normal quotients of four-valent G-oriented graphs	C. Dalfo: A new general method to obtain the spectrum and local spectra of a graph from its regular partitions	H. Furmańczyk: Equitable list vertex colourability and arboricity of grids	E. Sopena: A connected version of the graph coloring game	J. Beisegel: Maximum Weighted Clique in Hole-Cyclically Orientable Graphs	B.K. Sahoo: Vertex connectivity of the power graph of a finite cyclic group	R. Egan: Complementary sequences and combinatorial structures
	16:30 - 16:50	A. Malnič: Covers of digraphs	I. Sciriha: On graphs with the same main eigenspace	M. Maceková: Acyclic coloring of graphs with prescribed maximum average degree	D. Štesl: Indicated coloring game on Cartesian products of graphs	E. Kim: Erdős-Pósa Property of Chordless Cycles and its Applications	M. Grech: Wreath product of permutation groups as the automorphism group of a graph.	S. Costa: Relative Heffter arrays and biembeddings
	short break							
16:50 - 17:00	Sym G & Maps	Spectral GT	General GT	Games G	Struc&Algor GT	General GT	Designs	
17:00 - 17:20	D. Catalano: Strong map-symmetry of $SL(3,K)$ and $PSL(3,K)$ for any finite field K .	P. Wissing: The negative tetrahedron and the first infinite family of connected digraphs that are strongly determined by the Hermitian	A. Vesel: Packing colorings of Sierpiński-type and H graphs	S. Dantas: The Graceful Game	M. Pizaña: Algorithmic Aspects of the Finite Extension Problem	S. Pagani: Discrete tomography: a graph-theoretical formulation of local uniqueness for two directions	A. Wassermann: On q-analogs of group divisible designs	
17:20 - 17:40	D. Pinto: Duality and Chiral-Duality	A. Farrugia: Generating Pairs of Generalized Cospectral Graphs from Controllable Graphs	K. Ando: Some new local conditions for k-contractible edges	D.B. West: The Slow-Coloring Game on a Graph	S. Onn: Deciding and Optimizing over Degree Sequences	B. Zak: Determination of the optimal ship trajectory in a collision situation with the use of directed graphs	A. Pasotti: Odd sun systems of the complete graph	
17:40 - 18:00	H.P. Luk: Tilings of the Sphere by Almost Equilateral Pentagons	T. Taniguchi: A generalization of Hoffman Graph	D. Labbate: Non bipartite regular 2-factor isomorphic graphs: an update	G. Puleo: Online Sum-Paintability: Slow-Coloring of Trees	S. Horvát: Exact random sampling of connected graphs with a given degree sequence	J. Garus: Underwater vehicle trajectory planning using the graph theory in dynamic environments with obstacles	S. Ban: New extremal Type II Z_4 -codes of length 32 obtained from Hadamard designs	
	Reception - Bled castle (Go on foot, or take busses departing from Hotel Kompas at 18:10)							

Tuesday	9:00 - 9:50	Noga Alon: Random and quasi-random Cayley sum graphs with applications (Rikli Balance H. - Arnorld Hall)							
	9:55 - 10:45	Gareth A. Jones: Paley, Carlitz and the Paley Graphs (Rikli Balance H. - Arnorld Hall)							
	10:45 - 11:15	coffee (Hotel Kompas)							
		Polytopes	G coloring	Dist-regular	Games G	General GT	General GT	Finite Geom	
	11:15 - 11:35	M. Rosenfeld: Branko Grünbaum, the mathematician who beat the odds	I. Schiermeyer: Polynomial chi-binding functions and forbidden induced subgraphs - a survey	B. Fernández: On the Terwilliger Algebra of Locally Pseudo-Distance-Regular Graphs	Cs. Bujtás: Domination and transversal games: Conjectures and perfectness	J. Goedgebeur: Graphs with few Hamiltonian Cycles	M. Hecht: Tight Localisations of Minimal Feedback Sets in Cubic Time	L. Denaux: Small weight code words arising from the incidence of points and hyperplanes in $PG(n,q)$	
	11:35 - 11:55	A.I. Weiss: Realizations of regular abstract polytopes in euclidean spaces	D. Rall: Packing chromatic vertex-critical graphs	S. Penjić: A combinatorial approach to the Terwilliger algebra modules of a bipartite distance-regular graph	V. Iršič: Some results on the connected domination game	J. Zerafa: Hamiltonian cycles containing a prescribed perfect matching	G.Y. Katona: Complexity questions for minimally t-tough graphs	S. Adriaensen: An Investigation into Small Weight Code Words of Projective Geometric Codes	
	11:55 - 12:15	D. Leemans: Rank reduction of string C-group representations	J. Ferme: Graphs that are critical for the packing chromatic number	S. Miklavic: Irreducible T-modules with endpoint 1 of almost 1-homogeneous distance-regular graph	T. James: Domination game on split graphs	D. Mattiolo: Some results regarding upper and lower bounds on the circular flow number of snarks	G. Kubicki: An optimal algorithm for stopping on the element closest to the center of an interval	F. Inringer: New SDP Bounds on Subspace Codes	
	12:15 - 14:30	lunch							
	14:30 - 15:20	Daniela Kühn: Resolution of the Oberwolfach problem (Rikli Balance H. - Arnorld Hall)							
	15:20 - 15:50	coffee (Hotel Kompas)							
		Polytopes	G coloring	Spectral GT	Domination in G	DisCompGeom	Struc&Algor GT	Designs	
	15:50 - 16:10	I. Hubard: Geometric chiral polyhedra in 3-dimensional spaces	M. Anholcer: Majority coloring of infinite digraphs	Z. Stanić: Notes on spectra of signed graphs	S. Klavžar: The Maker-Breaker domination game	D. Pálvölgyi: Polychromatic coloring of geometric hypergraphs	T. Huynh: Unavoidable minors for graphs with large $\ell_{p,p}$ -dimension	V. Kabanov: Deza graphs with parameters $(v,k,k-2,a)$	
	16:10 - 16:30	J. Bracho: A family of finite quiral polyhedra in S^3	B. Lužar: Homogeneous Coloring of Graphs	M. Brunetti: On Some Spectral Properties of Signed Circular Caterpillars	T. Gologranc: On graphs with equal total domination and Grundy total domination number	M. Saumell: Hamiltonicity for convex shape Delaunay and Gabriel graphs	N. Pivač: Minimal separators in graph classes dened by small forbidden induced subgraphs	F. Merola: Cycle systems of the complete multipartite graph	
	16:30 - 16:50	M. Conder: Chiral polytopes of arbitrarily large rank	R. Skrekovski: Some results and problems on unique-maximum colorings of plane graphs	V. Ambat: The Distance Spectra of Some Graph Classes - A Survey	T. Kos: On the Grundy dominating sequences	G. Liotta: Bend-minimum Orthogonal Drawings	A. Newman: Explicit 3-colorings for exponential graphs	A. Švob: Self-orthogonal codes from orbit matrices of Seidel and Laplacian matrices of strongly regular graphs	
		short break							
	16:50 - 17:00	Sym G & Maps	G coloring	Spectral GT	Domination in G	DisCompGeom	Struc&Algor GT	Designs	
	17:00 - 17:20	M. Šimac: LDPC codes constructed from cubic symmetric graphs	X. Li: Monochromatic disconnection of graphs	B. Mohar: About the smallest eigenvalue of non-bipartite graphs	B. Brešar: Graphs with a unique maximum open packing	D. Bokal: Bounded degree conjecture holds precisely for c-crossing-critical graphs with $\chi \leq 12$	P. Aboulker: Subgraphs of directed graphs with large dichromatic number	M.O. Pavčević: Constructions of some new t-designs acted upon nonabelian automorphism groups	
17:20 - 17:40	I. Kovács: Groups all of whose Haar graphs are Cayley graphs	E. Kubicka: Total coloring of graphs with minimum sum of colors; existence of T-strong graphs and trees	S. Pavliková: Inverting non-invertible labeled trees	M. Jakovac: Relating the annihilation number and two domination invariants	A. Vegi Kalamar: Counting Hamiltonian cycles in 2-tiled graphs	M. Krész: Uniquely restricted (g,f) -factors	T. Vučićić: Groups S_n times S_m in construction of flag-transitive block designs		
17:40 - 18:00	P. Šparl: On loosely attached tetravalent half-arc-transitive graphs	J. Przybyto: The 1-2-3 Conjecture almost holds for regular graphs	K.L. Patra: Laplacian eigenvalues of the zero divisor graph of the ring Z_n	L. Hernandez Lucas: Dominating sets in finite generalized quadrangles	Y. Kempner: Spanoids, Greedoids and Violator Spaces	W. Lochet: Immersion of transitive tournaments	T. Traetta: Pyramidal Steiner and Kirkman triple systems		

Wednesday	9:00 - 9:50	Marco Buratti: Cyclic designs: some selected topics (H. Kompas - Jezerska Hall)						
		Sym G & Maps	Dist-regular	Metric GT	DisCompGeom	Games G	General GT	
	9:55- 10:15	M. Bachraty: Skew morphisms of simple groups	P. Terwilliger: Leonard pairs, spin models, and distance-regular graphs	I.G. Yero: Uniquely identifying the vertices of a graph by means of distance multisets	H.R. Tiwary: Lower bounds for semantic read-once BDDs using Extension Complexity	A. Pongrácz: Non-deterministic decision making on finite graphs	J. Cooper: Finitely forcible graph limits are universal	
	10:15 - 10:35	Y.S. Kwon: Square roots of automorphisms of cyclic groups	S. Bockting-Conrad: Tridiagonal pairs of Racah type and the universal enveloping algebra $U(SL_2)$	V. Junnila: On the Solid-Metric Dimension of a Graph	P. Hliněný: On Colourability of Polygon Visibility Graphs	D. Pinto: Replicator equations on graphs	C. Lindorfer: Ends of graphs and the language of self-avoiding walks	
	10:35 - 11:00	coffee (Hotel Kompas)						
		Polytopes	Association Sch.	Domination in G	DisCompGeom	Configurations	General GT	
	11:00 - 11:20	M.E. Fernandes: Locally spherical hypertopes	A. Vasil'ev: Closures of permutation groups and the isomorphism problem for schurian coherent configurations	I. Peterin: $[1, k]$ -domination number of lexicographic product of graphs	E. Colin de Verdière: Multicuts in planar and surface-embedded graphs	M. Izquierdo: Configurations and Dessins d'Enfants	B. Patkós: On the general position problem on Kneser graphs	
	11:20 - 11:40	C.A. Piedade: Possible degrees of Toroidal Regular Maps	P.-H. Zieschang: Residually Thin Hypergroups	T. Kraner Šumenjak: On k -rainbow independent domination in graphs	C. Gavoille: Shorter Implicit Representation for Planar Graphs	V. Napolitano: Configurations and some classes of finite linear spaces	S. Majstorovič: Graphs preserving total distance upon vertex removal	
11:40 - 12:00	G. Williams: Geometric realizability of simplicial 3-spheres	C. French: Hypergroup rings	A. Tepeh: On k -rainbow total domination in graphs	S. Cabello: Maximum Matchings in Geometric Intersection Graphs	A. Žitnik: Chiral astral realizations of cyclic 3-configurations	M. Pizaña: Cliques, Logic and Games		
	Lunch and free time - Excursions (Buses for the excursions depart at 13:30 SHARP from Hotel Kompas)							

9:00 - 9:50	János Pach: Many Pairwise Crossing Edges (Rikli Balance H. - Arnorld Hall)							
9:55 - 10:45	Cheryl E. Praeger: Limited geodesic transitivity for finite regular graphs (Rikli Balance H. - Arnorld Hall)							
10:45 - 11:15	coffee (Hotel Kompas)							
	Sym G & Maps	G coloring	Spectral GT	Metric GT	Finite Geom	Configurations	Chemical GT	
11:15 - 11:35	A. Breda d'Azevedo: Regular bi-oriented maps of negative prime characteristic	J. Barát: Decomposition of cubic graphs related to Wegner's conjecture	W. Imrich: The Structure of Quartic Graphs with Minimal Spectral Gap	T. Lahonen: On Resolving Several Vertices in a Graph	S. Ball: Maximum Distance Separable Codes: Recent advances and applications	G. Gévay: Exotic configurations	H. Zhang: Anti-Kekulé number of graphs	
11:35 - 11:55	T. Dobson: Every 2-closed group of degree qp^2 has a semiregular element	M. Śleszyńska-Nowak: Strong cliques in graphs	P. Rama: Spectral and combinatorial properties of lexicographic polynomials of graphs	M. Mora: k-Fault-tolerant resolving sets in graphs	M. Lavrauw: MDS codes, arcs and tensors	M. Roney: Trilateral matroids	S. Brezovnik: Resonance graphs of catacondensed even ring systems (CERS)	
11:55 - 12:15	M. Toledo: Cubic graphs with long orbits	E. Drgas-Burchardt: Consecutive colouring of oriented graphs	S.J. Pinheiro: Erdős-Gallai type results on weighted degree sequences of graphs	E. Yi: The fractional k-metric dimension of graphs	G. Marino: Subspace code constructions	J. Ković: Platonic configurations	Z. Che: Resonance graphs of plane elementary bipartite graphs	
12:15 - 14:30	lunch							
14:30 - 15:20	Gábor Korchmáros: Permutation groups in the study of geometric structures (Rikli Balance H. - Arnorld Hall)							
15:20 - 15:50	coffee (Hotel Kompas)							
	Polytopes	General GT	Association Sch.	Metric GT	Finite Geom	Biomath & Bioinf	Chemical GT	
15:50 - 16:10	L. Montejano: On the Geometric Banach Conjecture	D. Osthus: Decompositions into isomorphic rainbow spanning trees	A. Munemasa: Krein parameters of fiber-commutative coherent configurations	B. DasGupta: Computational complexities of three problems related to computing the metric anti-dimension of a graph	J. D'haeseleer: Projective solids pairwise intersecting in at least a line	R. Janssen: Navigating the space of phylogenetic networks	P. Dankelmann: On the Wiener Index of Eulerian Graphs	
16:10 - 16:30	T. Marc: Oriented matroids as graphs	M. Ellingham: The structure of 4-connected $K_{\{2,t\}}$ -minor-free graphs	J. Vidali: On tight 4-designs in Hamming association schemes	Y. Ramírez-Cruz: Constrained incremental resolvability in dynamic graphs: a case study in active re-identification attacks on social	M. De Boeck: Cameron-Liebler classes for finite geometries	G. Scholz: Un-folding and folding-up phylogenetic networks	T. Došlić: Packing stars in fullerenes	
16:30 - 16:50	E. Mochan: 2-orbit polytopes	G. Fijavž: Forbidding prism immersions	S. Suda: Linked systems of group divisible designs	A. Kelenc: Hausdorff Distance Between Trees in Polynomial Time	S. Glasby: Classical groups and transitive actions on subspaces	D. Doerr: On the Computational Hardness of Ancestral Genome Reconstructions	X. Li: The asymptotic value of graph energy for random graphs with degree-based weights	
	short break							
16:50 - 17:00	Polytopes	General GT	Association Sch.	Metric GT	Finite Geom	Biomath & Bioinf	Chemical GT	
17:00 - 17:20	D. Pellicer: Tight chiral abstract polytopes	F. Lehner: On the cop-number of toroidal graphs	S. Humphries: Schur rings over infinite groups	C.X. Kang: The connected metric dimension at a vertex of a graph	Z. Blázquez: Balanced upper chromatic number of $PG(2,q)$	M. Lafond: Will we ever find a forbidden subgraph characterization of leaf powers?	X. Jin: On the existence of some strong traces of graphs	
17:20 - 17:40	A. Montero: Highly symmetric toroidal polytopes	A. Nakamoto: Vertex-face structures in quadrangulations on surfaces	G. Somlai: New family of CI-groups	M.L. Puertas: Bounding the determining number of a graph by removing twins	V. Pepe: A construction for clique-free pseudorandom graphs	N. Nøjgaard: Partial Homology Relations - Satisfiability in terms of D-Cographs	M. Knor: Bounding the Graovac-Pisanski index	
17:40 - 18:00	S. Wilson: Rotary 4-Maniplexes having one facet	G. Mazzuocolo: Reduction of the Berge-Fulkerson Conjecture to cyclically 5-edge-connected snarks	G. Ryabov: Infinite family of non-schurian separable association schemes	A. Taranenko: On graphs achieving the trivial upper bound for edge metric dimension	S. Mattheus: Bipartite Ramsey numbers: C_4 versus the star	M. Hellmuth: Best Match Graphs	M. Sahin: Core partitions with d-distinct parts	
	Conference dinner - Avsenik (departure of buses at 18:30, Hotel Kompas)							

Friday	9:00 - 9:50	Zsolt Tuza: Parity colorings in graphs and hypergraphs (H. Kompas - Jezerska Hall)							
		Sym G & Maps	Spectral GT	Metric GT	Configurations	Biomath & Bioinf	Chemical GT		
	9:55 - 10:15	R. Nedela: Reductions of maps preserving the isomorphism relation I	J. Wang: On graphs whose spectral radius does not exceed the Hoffman limit value	D. Kuziak: Metric and strong metric dimensions of direct product graphs	T. Pisanski: The remarkable rhombic dodecahedron graph	L. Herbst: Trees on scales -- measures of balance for rooted binary trees	B. Furtula: Novel method for measuring sensitivity of topological descriptors on structural changes		
	10:15 - 10:35	P. Zeman: Reductions of maps preserving the isomorphism relation II	F. Belardo: On some recent results of Slobodan K. Simić (1948-2019)	R. Simanjuntak: Centroidal dimensions of product graphs	K. Stokes: Dualities, trialities, configurations and graphs	C.R. Seemann: The Matroid Structure of Representative Triple Sets and Triple-Closure Computation	J. Wang: Median eigenvalues and HOMO-LUMO index of graphs		
	10:35 - 11:00	coffee (Hotel Kompas)							
		Sym G & Maps	Association Sch.	Domination in G	Configurations	Biomath & Bioinf	Chemical GT		
	11:00 - 11:20	M. Conder: Observations and answers to questions about edge-transitive maps	H. Blau: Nilpotent commutative standard integral table algebras of order p^3	P. Dorbec: Reconfiguring and enumerating dominating sets.	L. Berman: Eventually, 5-configurations exist for all n	K. Wicke: Phylogenetics meets classic graph theory -- Connections between Hamiltonicity, GSP graphs and treebased networks	H. Chen: The average Laplacian polynomial of a graph		
	11:20 - 11:40	G.A. Jones: Realisation of groups as automorphism groups of maps and hypermaps	A. Herman: Rationality for irreducible representations of association schemes of rank 6 and 7	M.A. Henning: The independent domatic number and the total domatic number	J. Bokowski: On the Finding of Symmetric Polyhedral Realizations without Self-Intersections of Hurwitz's Regular Maps (3.7). J.181 of Genus 7	A. Fujita: Network Statistics on biological data analyses	J. Sedar: On combining Zagreb and Forgotten index to obtain better predictive power		
	11:40 - 12:00	R.G. Möller: Infinite vertex-transitive graphs and their arc-types	I. Ponomarenko: A characterization of some equivalenced association schemes	A. Lakshmanan S.: Double Roman Domination Number	M. Saniga: Dolly - A Gem of the Quantum Universe	S. Antunović: Exponential generalised network descriptors	N. Tratnik: Computing Distance-Based Topological Indices from Quotient Graphs		
	12:00 - 12:20	B. Fairbairn: Some non-Beauville groups: Why you should always pay attention to what is said at wine receptions	Misha Muzychuk: Non-commutative schemes of rank six and related objects	B. Martinez-Barona: Identifying codes in line digraphs	H. Gropp: On the early history of configurations	M.C. Molinari: Colored even cycle decompositions	P. Žigert Pleteršek : Two topological indices applied on hydrocarbons		
	12:20 - 14:30	lunch							
		Sym G & Maps	General GT	General GT	General GT	General GT	Finite Geom		
	14:30 - 14:50	M. Giudici: Arc-transitive bicirculants	D. Ye: Circuit Covers of Signed Graphs	S. Bonvicini: A variant of orthogonality for symmetric Latin squares	A. Tyc: Z-knotted triangulations of surfaces	V. Pallozzi Lavorante: AG codes from the second generalization of the GK maximal curve	B. Csajbók: Generalising KM-arcs		
	14:50 - 15:10	C. King: Edge-primitive 3-arc-transitive graphs	M. Vizer: On the Turán number of edge ordered graphs	M. Abreu: Orthogonal Array Configurations	M. Pankov: Face z-monodromies in triangulations of surfaces	D. Hawtin: s-Elusive Codes in Hamming Graphs	G. Kiss: On resolving sets for the point-line incidence graph of $PG(n,q)$		
	15:10 - 15:30	A. Melekoglu: Patterns of edge-transitive maps	C. Xiao: The Turán number of the square of a path	F.I. Becerra López: Integer invariants of a graph manifold using Hirzenbruch-Jung continued fractions on the linking matrix	M. Kwiatkowski: Tree structured z-knotted triangulations of a sphere.	S. Veldsman: Congruences and subdirect representations of graphs	T. Szönyi: On the stability of Baer subplanes		
	15:30 - 16:00	coffee (Hotel Kompas)							
	Sym G & Maps					IAMC meeting			
16:00 - 16:20	M. Mačaj: On external symmetries of Wilson maps								
16:20 - 16:40	T. Tucker: Surface Symmetry: Kulkarni Revisited								
16:40 - 17:00	R. Jajcay: Generalized Cayley maps								