Program of the International Colloquium on Combinatorics and Graph Theory, Balatonlelle, Hungary, July 15-19, 1996

Monday, July 15

10^{00}		**Coffee**	
10^{30}		**Plenary Session:** P. Erdős: Some of my favourite problems	
	Graph Theory	**Number Theory**	**Molecular Biology**
11^{40}	*B. Toft: Two graph colouring problems	*C. Mauduit: TBA	*A. von Haeseler: DNA-sequences, universal tools to study evolution
12^{30}		**Lunch**	
15^{30}	S. Jendrol, M. Hornak: On a conjecture by Plummer and Toft	W. Deuber: Independent finite sums for K_m free graphs	*T. Warnow: Bounded imperfection parsinomy and optimal tree refinement
15^{55}	B. Sudakov, N. Alon, M. Krivelevich: Subgraphs with large cochromatic number	Gy. Elekes: A non-Abelian Freiman-Ruzsa type theorem	
16^{20}	*A. Kostochka: Colourings and orientations of graphs	S. Eliahou: Set sums in a vector space over GF(p)	H. Sudborough: Sorting by transpositions and reversals: applications in phylogeny
16^{45}		A. Geroldinger: Combinatorial problems in finite Abelian groups arising from arithmetical problems in algebraic rings	E. Perekhodtseva: Employment of graph theory on the selection of informative predictors for forecast
17^{10}		**Coffee**	
	Graph Theory	**Set Theory**	**Molecular Biology**
17^{40}	R. Skrekovski, M. Juvan, B. Mohar: On list-edge colourings of graphs	*N. Sauer: TBA	C. S. Iliopoulos, W. F. Smyth: An on-line algorithm for computing the cardinality of a minimum set of k-covers of a string
18^{05}	M. Molloy: A bound of the total chromatic number		W. F. Smyth, D. Moore, D. Miller: Counting distinct strings
18^{30}	P. Mihók: On the minimal reducible bounds for 3-colourable planar graphs	P. Komjáth: Some results on partition relations on ordinals	A. Frolov: Algorithms for recognition of ordered objects and their application for discrete optimization
19^{30}		**Reception**	

Invited talks (*) are 45 minutes long. Other talks are 20 minutes long.

Tuesday, July 16

Time	Graph Theory	Extremal Sets	Molecular Biology
9^{00}	**Plenary Session:** N. Alon: The geometry of coin-weighing problems		
10^{00}	**Coffee**		
	Graph Theory	**Extremal Sets**	**Molecular Biology**
10^{30}	*T. Luczak: TBA	L. Khachatrian, R. Ahlswede: A number theoretical construction relevant for Sperner theory	P. L. Erdős: Reconstructing a binary tree from its short quartets
10^{55}		P. Brass: On discrete isoperimetric inequalities for lattice graphs	L. Székely: The number of nucleotide sites needed to accurately reconstruct large evolutionary trees
11^{20}	P. Haxell: Partitioning complete bipartite graphs by monochromatic cycles	S. Bezrukov, A. Blokhuis: A Kruskal-Katona type theorem for the linear lattice	*P. G. Mezey: Combinatorial aspects of biomolecular shape
11^{45}	G. Sárközy: On a new method based on the Regularity Lemma	G. Simonyi, A. Sali: Recovering set systems and graph entropy	
12^{10}	A. Vesel: The independence numbers of the strong product of odd cycles	M. Ruszinkó, R. Ahlswede, N. Alon, P. L. Erdős, L. Székely: Intersecting systems	S. Klavzar: Partial binary Hamming graphs and their application in chemical graph theory
12^{30}	**Lunch**		
	Graph Theory	**Combinatorial Probability**	**Molecular Biology**
15^{30}	Gy. Csizmadia: On independence number of coin graphs	V. F. Kolchin: The process of association of particles	*F. S. Roberts: Competition graphs and phylogenetic trees
15^{55}	B. Mohar: Some results about graphs on surfaces	A. M. Zubkov: Nonnegative quadratic forms and probability inequalities	
16^{20}	M. Juvan: Some forbidden subgraphs for the torus	V. I. Pagurova: Some combinatorial aspects in statistical problems	
16^{45}	P. Hlineny: Planar covering graphs	Y. A. Zuev: The hypothesis on random ±1 matrices and the asymptotics of the number of threshold functions	
17^{10}	**Coffee**		
	Graph Theory	**Extremal Sets**	
17^{40}	J. Harant: A planarity criterion for cubic bipartite graphs	*J.Griggs: TBA	
18^{05}	A. Vdovina: Single-face embeddings of cubic graphs and their application		
18^{30}	P. Valencia Saravia: The heterochromatic number of a triangulation of a disk	Jorge L. Arocha: Tightness of hypergraphs	

Wednesday, July 17

	Graph Theory	Computer Science
9^{00}	*J. Nesetril: On Erdős-Szekeres and Type graphs	J. Zunic, D. Acketa: A constant space representation of digital polynomials
9^{25}		S. Hartman: Cardinality constrains in databases
10^{15}	**Coffee**	
	Graph Theory	**Computer Science**
10^{45}	H. Gropp: Hamilton graphs from Kirkman to König	A. Gál: Bipartite graphs and superpolynomial lower bounds for monotone span programs
11^{10}	G. Gutin: Properly coloured Hamiltonian paths and cycles in edge-coloured graphs	A. P. Sergeyev: Rapid algorithm of determination of graphs isomorphism
11^{35}	G. Steiner, J.S.Deogun, D.Kratsch: 1-tough co-comparability graphs are Hamiltonian	N. Zagaglia Salvi: Some properties of generalized Fibonacci cubes
12^{00}	L. V. Quintas, K. T. Balinska, G. R. Brightwell: Some distance problems in a graph whose vertices are graphs	V. G. Skobelev: About one method of design of exponential low estimations
12^{25}	K. T. Balinska: Degrees in a digraph whose nodes are graphs with bounded degree	
15^{30}	**Excursion**	

Thursday, July 18

9^{00}	**Plenary Session:** V. Rödl: TBA		
10^{00}	**Coffee**		
	Graph Theory	**Extremal Sets**	**Symmetric Structures**
10^{30}	*R. Faudree: Hamiltonian properties in claw-free graphs	U. Leck: Shadow increasing Macaulay posets	J. Kratochvil: Graph designs, Seidel's switching and matchable Hadamard matrices
10^{55}		H. Müller: Representation of partial orders by weak order convex subsets	M. Rosenfeld: Matchability of Hadamard matrices derived from the Paley construction
11^{20}	O. Barr: Erdős-Sós conjecture for graphs with high minimum degree	A. A. Sapozhenko: Boundary functional method for isoperimetric computational problems	A. Makhnev: Locally Shrikhande graphs
11^{45}	G. Bacsó: Dominating subgraphs of a given type	*K. Engel: Antichains generating minimum weighted ideals in Macaulay posets	T. Szőnyi: Blocking sets in finite projective planes
12^{10}	Y. Egawa, K. Inoue: Radius of (2k-1)-connected graphs		A. Kuribayashi: Dihedral groups of automorphisms of compact Riemann surfaces
12^{30}	**Lunch**		
	Graph Theory	**Extremal sets**	**Matroids**
15^{30}	*B. Bollobás: Boundary paths of clusters in oriented percolation	S.B.Rao: TBA	F. Matus: On matroid representations by partitions of finite sets
15^{55}		P. L. Erdős: Erdős-Ko-Rado and Hilton-Milner type theorems for intersecting chains in posets	M. K. Chari: Matroid inequalities and a conjecture of Stanley
16^{20}	Y. G. Katona: Hamiltonian chains in hypergraphs	N. N. Kuzjurin: Derandomization of Rödl's random packings and coverings	V. P. Il'ev: On the rank functions of independence systems
16^{45}	R. Häggkvist: Alternating 2-factors in edge-coloured complete graphs	M. Klazar: Counting bad bracketings	
17^{10}	**Coffee**		
	Graph Theory	**Set Theory**	
17^{40}	I. Havel, I. Fris, P. Liebl: Cube-connected cycles and pseudo-Hamiltonian walks	S. Todorcevic: TBA	
18^{05}	H. Galeana-Sanchez: Some sufficient conditions on bounded length odd directed cycles for a digraph to have a kernel	B. Velickovic: TBA	
18^{30}	E. Nanchen: About some metrics between isomorphism classes of graphs		

Friday, July 19

Time	Graph Theory	Combinatorial Optimization
9^{00}	**Plenary Session:** L. Schrijver: TBA	
10^{00}	**Coffee**	
	Graph Theory	**Combinatorial Optimization**
10^{30}	E. Olaru: On stable graphs	*K. Murota: Discrete convex analysis
10^{55}	J. Balogh, A. Pluhár: A sharp edge bound on the interval number of a graph	
11^{20}	G. Alexe: The strongly perfectness of normal product of t-perfect graphs	*J. Oxley: Graphs and matroids
11^{45}	A. Wagler: On critically perfect graphs	
12^{10}	A. Zaks: On T-choice numbers and graphs	Z. Király: Matchings and strong barriers
12^{30}	**Lunch**	
	Graph Theory	**Combinatorial Optimization**
15^{30}	*H. J. Prömel: TBA	J. Opatrny, M. C. Heydemann, D. Sotteau: Embeddings of complete binary trees into extended grids with edge-congestion 1
15^{55}		I. Szalkai, Gy. Dósa: On the maximal and minimal number of circles and bases of matroids and extremal constructions
16^{20}	I. Sciriha: On the coefficient of in the characteristic polynomials of singular graphs	R. Urbaniak, A. Wagler: Test sets for integer programming
16^{45}	S. Simic: A characterization of graphs whose second largest eigenvalue is less than golden section	T. Szkaliczki: Routing with minimum wire length in the dogleg-free Manhattan model
17^{10}	**Coffee**	
	Graph Theory	**Combinatorial Optimization**
17^{40}	R. Labahn: Minimum cost gossiping	A. A. Kolokolov: Hybrid algorithms for set covering problem
18^{05}	R. A. Pendavingh: Constructing an optimum bibranching	D.Lozovanu, R. Baliac, D.Solomon: Minimax mean paths in network games and an algorithm for their finding
18^{30}	E. Sampathkumar: Semigraphs	W. Fory's: TBA