

Preliminary program - November 4, 2014

COLLOQUIUM ON COMBINATORICS – ILMENAU, NOVEMBER 7 AND 8, 2014
DISCRETE MATHEMATICS UND ALGEBRA – TECHNISCHE UNIVERSITÄT ILMENAU

Friday, November 7, 2014

9:00	Opening
9:15 – 10:15	P. GRITZMANN On discrete Inverse problems: theory, algorithms and applications <i>Coffee Break</i>
10:45 – 11:45	C. HAASE Adding lattice points in lattice polytopes <i>Lunch Break</i>
13:00 – 15:00	Contributed Talks
15:00 – 15:30	<i>Coffee Break</i>
15:30 – 17:30	Contributed Talks
19:00	<i>Banquet</i>

Saturday, November 8, 2014

9:00 – 10:00	M. SCHACHT Extremal combinatorics in random discrete structures <i>Coffee Break</i>
10:30 – 12:00	Contributed Talks
12:00 – 13:30	<i>Lunch Break</i>
13:30 – 14:30	Contributed Talks
14:30 – 14:45	<i>short Coffee Break</i>
14:45	M. AXENOVICH How dense are range capturing hypergraphs?

Time	Room C117	Room C325	Room C108	Room C113
13:00	E. Steffen Class 1 bounds for planar graphs	J. Czap On 1-planar graph joins	G.Y. Şentürk Characteristic proper- ties of the ruled sur- face with Darboux frame in \mathbb{E}^3	E. Gyimesi A new combinatorial interpretation of r -Whitney and r -Whitney-Lah numbers
13:30	K. Odermann Edge colorings and forbidden rainbow stars	T. Madarász Light edges in families of plane graphs - recent development	N. Macit V-direction Curve of a Surface Curve in \mathbb{E}^3	H. Harborth Steinhaus Triangles with Generalized Pascal Addition
14:00	N. Khachatryan Interval Total Colorings of Complete Multipartite Graphs and Hypercubes	D. Mourisse Generation of Nanojoins	M. Akbiyik Galilean Bobillier Formula for One Parameter Planar Motions	T. Miltzow Token Swapping
14:30	J.P. Bode Irregular vertex colorings of cartesian products of paths and cycles	A. Asinowski Planar point sets with many perfect matchings	N.B. Gürses One-Parameter Planar Motions in Affine Cayley-Klein Planes	G. Nyul Stirling, Bell and Fubini numbers for graphs
15:00	<i>Coffee break</i>			
15:30	M. Marangio Sum list colorings of complete multipartite graphs	F. Joos Induced Matchings	Ö. Bektaş Real Variable Serret Frenet Formulae of an Octonion Valued Function (Octonionic Curves)	R. Sieg The Stanley Depth in the Upper Half of the Koszul Complex
16:00	R. Soták On coloring of double disk graphs	N.C. Lê Augmenting Approach for the Maximum Induced Matching Problem	I. Schiermeyer Chromatic number of P_5 -free graphs	P. Wegener Reduced words in reflections in Coxeter groups
16:30	Y. Kang 3-colorability of Planar Graph	S. Chaplick On (claw, even-hole)-free graphs	M. Sonntag Competition graphs of products of digraphs	T. Sasse On the Periodicity of Partial Words
17:00	I. Fabrici Unique-maximum coloring of plane graphs	S. Richter Absolute algebraic connectivity of double brooms		J. Krolkowski Refined Counting of Linear Extensions

Saturday, November 8, 2014

Time	Room C117	Room C325	Room C108	Room C113
10:30	M. Mockovčiaková How many symbols for k -Thue sequences?	M. Nakanishi A sufficient condition leading to the domination number of a bipartite graph	U. Hoffmann Slopes of segment intersection graphs	K. Dohmen On Sums of Type $\sum_{A \subseteq S} f(A)$
11:00	E. Škrabuláková Nonrepetitive Colourings of Lexicographic Products of Graphs	M. Dod On the counting of independent domination sets	L. Kleist Long Paths in Line Arrangements	M. Reinwardt Characterizing edges in graphs regarding the two-edge connected reliability
11:30	P. Micek On-line coloring between two lines	C. Brause On Rainbow Independent Sets	K. Kellner Containment of H-Polytopes in V-Polytopes: Linear and Semidefinite Relaxations	
12:00	<i>Lunch break</i>			
13:30	V. Wiechert An On-line Competitive Algorithm for Coloring P_8 -free Bipartite Graphs	Y. Person Minimum degrees of minimal Ramsey graphs and hypergraphs	P. Allen A density Corrádi-Hajnal theorem	I. de Souza Rocha Some Bounds for the sum of the Laplacian eigenvalues of graphs
14:00	O. Schaudt 3-Colouring graphs without triangles or induced paths on seven vertices	V. Weil On bounding the maximum degree by a function on a monotone graph parameter	J. Böttcher An approximate version of the Tree Packing Conjecture	J. Goedgebeur House of Graphs: a database of interesting graphs