

Preliminary Program - October 29, 2015

COLLOQUIUM ON COMBINATORICS – ILMENAU, NOVEMBER 6 AND 7, 2015
DISCRETE MATHEMATICS UND ALGEBRA – TECHNISCHE UNIVERSITÄT ILMENAU

Friday, November 6, 2015

- 9:00** Opening
- 9:15** D. RAUTENBACH
Graphs in which some or every maximum matching is uniquely restricted
Coffee break
- 10:45** W. WOESS
Horocyclic products of trees - a quasi-isometry problem, its solution,
and further ramifications
Lunch Break
- 13:30 – 15:10** **Contributed Talks**
- 15:10 – 15:40** *Coffee Break*
- 15:40 – 17:20** **Contributed Talks**
- 19:00** *Banquet*

Saturday, November 7, 2015

- 9:00** A. WAGLER
On identifying codes in graphs
Coffee break
- 10:30 – 12:10** **Contributed Talks**
- 12:10 – 13:45** *Lunch break*
- 13:45 – 15:25** **Contributed Talks**
- 15:25 – 15:45** *short Coffee break*
- 15:45** E. KÖHLER
Linear structure of graphs and the knotting graph

Contributed Talks

Friday, November 6, 2015

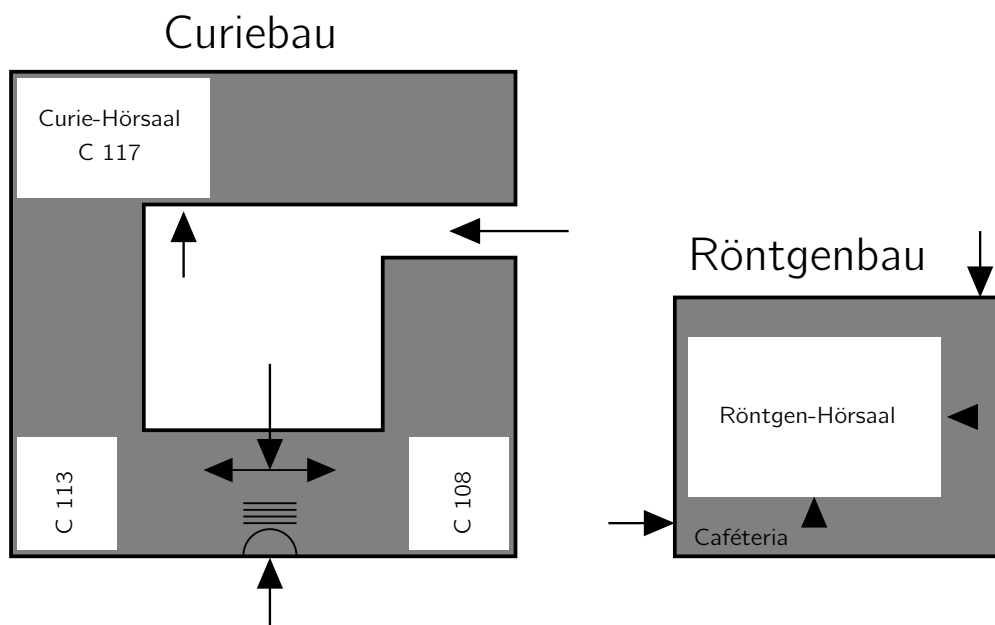
Time	Room C117	Room C113	Room C108
13:30	E. Steffen Signed graph coloring	S. Pirzada On Laplacian energy of graphs	V. Bindewald Matching-covered graphs and the Robust Matching Problem
13:55	Y. Kang Choosability in Signed Planar Graph	U. Schwerdtfeger Minimising the Laplacian p -spectral radius	L. Jin Unions of 1-factors in r -graphs
14:20	M. Schubert Circular flow number of signed graphs	J. P. Bode Linear Polyomino Achievement	Y. Person Minimum H -decompositions of graphs
14:45	E. Rollová A new proof of Seymour's 6-flow theorem	D. Frettlöh Symmetries of Monocoronal Tilings	T. Lange Biconnected Reliability - An Alternative Approach to Count Biconnected Graphs
15:10	<i>Coffee break</i>		
15:40	I. Beckenbach Perfect f -Matchings and f -Factors in Hypergraphs	I. Schiermeyer Chromatic number of P_5 -free graphs: χ -binding functions	E. Dahlhaus Finding Permutation Graph Colorings with a Minimum Number of Unicolored Chains
16:05	O. Parczyk Universality in random and sparse hypergraphs	I. Choi Forbidding substructures for chi-boundedness	M. Marangio Sum list colorings of products of graphs
16:30	J. Schnitzer Minimum $(k - 2)$ -degree conditions for Hamiltonian ℓ -cycles in k -uniform hypergraphs	P. Holub Rainbow connection and forbidden subgraphs	M. Mockovčíaková Bounds for generalized nonrepetitive sequences
16:55	M. Sonntag Niche hypergraphs	P. Tittmann Rainbow Partitions and Rainbow Colorings	W. Hochstättler Bicircular Matroids are 3-colorable

Contributed Talks

Saturday, November 7, 2015

Time	Room C117	Room C113	Room C108
10:30	O. Schaudt Obstructions for three-coloring graphs with one forbidden induced subgraph	D. Stevanović On Wiener index of quadratic line graphs	T. A. Chishti On mark sequences in multidigraphs
10:55	J. Goedgebeur Finding minimal obstructions to graph colouring	H. Furmańczyk r -dynamic chromatic number of some line graphs	A. Bagdasaryan Some explicit and asymptotic formulas related to the generalized arithmetic triangles
11:20	N. Brettell Colouring graphs with constraints on local connectivity	V. Wiechert Sparsity and dimension	E. Lehtonen Order of first occurrence and minors of functions
11:45	M. Merker Bounded diameter arboricity	F. Joos The Erdős-Pósa property of rooted minors	M. Mnich Improved Approximation Algorithm for Minimum Feedback Vertex Sets in Tournaments
12:10	<i>Lunch break</i>		
13:45	F. Schulenburg Sharp thresholds for monochromatic cycles	A. Brandstädt Efficient Domination for P_6 -Free Graphs – the Final Result	L. Kleist Drawings of planar graphs with prescribed face areas
14:10	G. Mota On an anti-Ramsey threshold for sparse graphs with one triangle	M. Dod Counting connected dominating sets	H. Harborth The Minimum Crossing Number of the Petersen Graph
14:35	M. Hamann Cuts and cycles in transitive graphs	N. Lichiardopol Star packings and (2,2) domination in graphs; new upper bounds	P. Goetschalckx Goldberg, Coxeter and a General Approach to Operations on Polyhedra
15:00	A. J. Bastos Packing densities of layered permutations and the minimum number of monotone sequences in layered permutations		N. Van Cleemput On the strongest form of a theorem of Whitney for hamiltonian cycles in plane triangulations

Lecture rooms



Invited Talks: Röntgen-Hörsaal at Röntgenbau

Contributed Talks: C108, C113 and C117 at Curiebau

Coffee/Tea/Snacks: Röntgenbau

Conference office: Friday, 8:30 a.m. Röntgenbau