Monday, September 13th 2010

Room 326 (Hörsaal III)

09.15 – 09.30 Opening

09.30 – 10.30 Kurt Mehlhorn

Improving the Price of Anarchy for Selfish Routing via Coordination Mechanisms

10.30 – 11.00 Coffee break

11.00 – 12.00 Peter Widmayer

When and how weak microrobots can perform hard tasks

Time	Section A	Section B	Section C
	Room 125 (Hörsaal I)	Room 228 (Hörsaal II)	Room 326 (Hörsaal III)
13.30	Patric Östergård	Gerold Jäger	Roman Glebov
	Recent Results on the Classification of Codes and Designs	A SAT Based Algorithm for Magic Labeling	Conflict-free Graph Colorings
14.00	Wolfgang A. Schmid	Shahid Hussain	Oliver Schaudt
	On the maximum length of sequences with few zero-sum subsequences and connections to coding theory	Sequential Optimization of Paths in Directed Graphs Relative to Different Cost Functions	On the Existence of Dominating Induced Subgraphs
14.30	Christian Reiher	Birgit Engels	Mais Alkhateeb
	Inverse aspects of combinatorial zero-sum theory	Approximate solutions for generalized network flow in freight car disposition	Further Results on b-Colorings of Graphs
15.00	Coffee break		
15.30	Hasmik Sahakyan	Anja Lau	Katharina Hammersen
	Essential points of the n-cube subset partitioning characterization	A traveling salesperson problem with quadratic cost structure	On mirror nodes in graphs without long induced paths
16.00	Khaled A. Salem	Martin Holena	Isma Bouchemakh
	The hypergraphs generated by catacondensed hexagonal systems	An approach to discrete evolutionary optimization and its application to the search for optimal catalytic materials	Broadcast domination number of the cross product of paths
16.30	Vyacheslav Kalashnikov	Evgeniya Ivonina	Hovhannes Harutyunyan
	Calculation of Consistent Conjectures in Mixed Oligopoly Models	On approximation algorithms for two peripatetic salesmen problem	On Broadcasting in Graphs of Given Order and Size

18.00 Boat Excursion with Conference Dinner

Tuesday, September 14th 2010

Room 326 (Hörsaal III)

09.00 – 10.00   Michał Karoński
Vertex-coloring edge-weightings
10.00 – 10.30   Coffee break
10.30 – 11.30   Gerhard J. Woeginger
Optimization problems under polyhedral norms

Time	Section A Room 125 (Hörsaal I)	Section B Room 228 (Hörsaal II)	Section C Room 326 (Hörsaal III)
13.00	Ian Roberts Antichains and Combinatorial Designs	Larry H. Harper Morphisms for Resistive Electrical Networks	Maria Koch Maximum weight of a connected graph of given order and size
13.30	Matthias Böhm Maximal flat regular antichains	Vyacheslav Kalashnikov Advantages and Applications of Binomial Calculus	Martin Kochol Canonical forms of acyclic and totally cyclic orientations of graphs
14.00	Nesrine Benyahia Tani Enumeration of the Partitions of n into m and Especially Two Types of Parts	Yulia Kempner Poly-Antimatroids and their Convex Realizers	Anja Kohl On upper bounds for the b-chromatic number and b-continuous graph classes
14.30	Coffee break		
15.00	Dieter Betten A special class of 2-(28,4,1) unitals	Alexander Kurochkin Effective algorithm for the two-stage FLP on the tree network	Raymond Lapus On the st-spread resistance of a graph
15.30	Florin Manea Two ways to construct partial words, seen from a combinatorics-on-words-perspective	Edward Gimadi Approximation algorithms with performance guarantees for some discrete routing problems	Canceled S. Panda New Characterizations for Interval Graphs and Proper Interval Graphs
16.00	Anak Agung Gede Ngurah On H-supermagic coverings of graphs	Nadezhda Motorina Asymptotically exact approach to multi-project resource-constrained project scheduling problem with random input	S.W. Saputro The metric dimension of (μ, σ)-regular graph
16.30	Coffee break		
17.00	Gero Greiner The Transposition of Sparse Matrices in the I/O-Model	Carolina Mejia Counting monomer-dimer covers in grids	Bert Randerath On Bounds for the Triangle-versus-Graph Ramsey Number
17.30	Thu-Hien To Recognize 3 and 4-leaf powers of galled networks	Jan Foniok Linear Complementarity, Unique-Sink Orientations and Oriented Matroids	Bio Mikaila Toko Worou Fast Approximation for Computing the Fractional Arboricity of a Graph

Wednesday, September 15th 2010

Room 326 (Hörsaal III)

09.00 – 10.00   Imre Leader
  Higher Order Tournaments
10.00 – 10.30   Coffee break
10.30 – 11.30   Walter D. Wallis
  Triple Arrays

Time	Section A Room 125 (Hörsaal I)	Section B Room 228 (Hörsaal II)	Section C Room 326 (Hörsaal III)
13.00	Vera Weil On Minimal Counterexamples to Reed's Conjecture	Gregor Pardella Enhancing max-flow algorithms for special graph types	Aleksey Glebov Colouring planar graphs without close short cycles
13.30	Dieter Rautenbach On Reversible and Irreversible Conversions	Ivan Rykov Effective algorithms for some vector subset problems	Andreas Schmutzer An Exact Algorithm for Equicuts in Graphs
14.00	Csanád Imreh Online packing of rectangles into the minimal perimeter rectangle	Vladimir Shenmaier Asymptotically optimal algorithms for geometric MAX TSP and m-PSP	Sirirat Singhun Graphs with Cyclomatic Number Two having Panconnected Square
14.30	Coffee break		
15.00	Canceled Ahmed Shams Malick Biological Networks as Complex Network Graphs	Martin Strehler Polynomial cases of the Maximum Confluent Flow Problem	Konrad Sperfeld Subgraphs in multipartite graphs
15.30	Canceled The Collective Behavior of Multi-Agents System for Tracking a Desired Path	Dolgor Zambalaeva 4/3-approximation algorithm for the minimum 2-PSP with different weight functions valued 1 and 2	Martin Trinks The Merrifield-Simmons conjecture holds for some generalizations of cycles
16.00		Moved Agung Gede Ngurah On H-supermagic coverings of graphs	Moved Weil On Minimal Counterexamples to Reed's Conjecture