

**6th Cologne Twente Workshop on Graphs and Combinatorial Optimization**  
**Scientific Program, Tuesday, 29 May**

	Room B209	Room C238
9:00	Registration + Coffee, Cubicus-building	
10:45	Opening (in Room B209)	
11:00	(in room B209) <b>Chair:</b> J. Hurink M.C. Golumbic, <b>M. Lipshteyn</b> , M. Stern <i>Edge intersection graphs of single bend paths on a grid</i>  <b>I.B.A. Hartman</b> <i>On Path Partitions and Colorings in Digraphs</i>  <b>P.S. Bonsma</b> <i>Most balanced minimum cuts and partially ordered knapsack</i>	
12:30	Lunch	
14:00	<b>Chair:</b> H.J. Broersma J.A. Rodríguez-Velázquez, <b>J.M. Sigarreta</b> <i>On the defensive k-alliance number of a graph</i>  N.M.M. de Abreu, P. Hansen, <b>C.S. Oliveira</b> , L.S. de Lima <i>Bounds on the index of the Signless Laplacian of a graph involving the average degree of neighbors of a vertex</i>  <b>S.D. Andres</b> <i>Directed defective asymmetric graph coloring games on forests</i>	<b>Chair:</b> L. Liberti D.R. Grigoras, <b>C. Hoede</b> <i>Design of Object Processing Systems</i>  A. Grigoriev, <b>J. van Loon</b> , M. Sviridenko, M. Uetz, T. Vredeveld <i>Optimal Bundle Pricing for Homogeneous Items</i>  <b>B. Heydenreich</b> , R. Müller, M. Uetz, R. Vohra <i>On Revenue Equivalence in Truthful Mechanisms</i>
15:30	Coffee break	
16:00	<b>Chair:</b> M. Uetz R. Gollmer, <b>U. Gotzes</b> , F. Neise, R. Schultz <i>Stochastic Programs with Dominance Constraints Induced by Mixed-Integer Linear Recourse</i>  <b>D. Lozovanu</b> , S. Pickl <i>Multiobjective Hierarchical Control of Time-Discrete Systems and Determining Stackelberg Strategies</i>	<b>Chair:</b> R. Schrader <b>G. Nannicini</b> , Ph. Baptiste, D. Kroh, L. Liberti <i>Fast point-to-point shortest path queries on dynamic road networks with interval data</i>  <b>S. Hossain</b> , M.F. Zibran <i>A Multi-phase Approach to the University Course Timetabling Problem</i>

**6nd Cologne Twente Workshop on Graphs and Combinatorial Optimization  
Scientific Program, Wednesday, 30 May**

	Room B209	Room C238
9:30	Plenary Talk (in Room B209) <b>Chair:</b> R. Schultz  <b>Erwin Hans</b> <i>Operations Research for hospital process optimization</i>	
10.30	Coffee break	
11:00	<b>Chair:</b> C. Hoede  <b>J.F. Feng</b> <i>A characterization for jump graphs containing complementary cycles</i>  <b>R. Li, S. Li, J. Feng</b> <i>The number of vertices whose out-arcs are pancyclic in 2-strong tournaments</i>  <b>W. Kern, G.J. Still</b> <i>Wardrop equilibrium traffic flows with discontinuous travel times</i>	<b>Chair:</b> U. Faigle  <b>H. Fernau</b> <i>Dynamic Programming for Queen Domination</i>  <b>J.L. Hurink, T. Nieberg</b> <i>Approximating Minimum Independent Dominating Sets in Wireless Networks</i>  <b>S. Coene, F.C.R. Spieksma</b> <i>A latency problem with profits</i>
12:30	Lunch	
14:00	<b>Chair:</b> G. Brinkmann  <b>M.C. Plateau, L. Liberti, L. Alfandari</b> <i>Edge cover by bipartite subgraphs</i>  <b>J. Spoerhase, H.-C. Wirth</b> <i>Relaxed Voting and Competitive Location on Trees under Monotonuous Gain Functions</i>  <b>J. Leblet, J.X. Rampon</b> <i>St-serie decomposition of orders</i>	<b>Chair:</b> W. Kern  <b>Y. Kempner, V.E. Levit</b> <i>Representation of Poly-antimatroids</i>  <b>H.L. Bodlaender, A. Grigoriev, N.V. Grigorieva, A. Hendriks</b> <i>The Valve Location Problem</i>  <b>W. Kern, X. Wang</b> <i>On full components for Rectilinear Steiner tree</i>
15:30	Coffee break	
16:00 – 17.00	Plenary Talk (in Room B209) <b>Chair:</b> P. Bonsma  A. Peeters, K. Coolsaet, <b>G. Brinkmann, N. Van Cleemput, V. Fack</b> <i>GrInvIn for Graph Theory Teaching and Research</i>	

**18.00 Dinner, Boerderij Bosch, University of Twente**

6nd Cologne Twente Workshop on Graphs and Combinatorial Optimization  
Scientific Program, Thursday, 31 May

	Room B209
9:00	<p><b>Chair:</b> G.J. Still</p> <p>U. Faigle, <b>B. Peis</b> <i>A two-phase greedy algorithm for modular lattice polyhedra</i></p> <p><b>L. Liberti</b> <i>A useful characterization of the feasible region of binary linear programs</i></p> <p>A. Bettinelli, A. Ceselli, <b>G. Righini</b> <i>A branch-and-price algorithm for the variable size bin packing problem with minimum filling constraint</i></p>
10.30	Coffee break
11:00	<p><b>Chair:</b> B. Fuchs</p> <p>N.E. Aguilera, <b>V.A. Leoni</b>, G.L. Nasini <i>Some flexibility problems and their complexity</i></p> <p><b>J.J. Paulus</b>, J.L. Hurink <i>Decomposition Method for Project Scheduling with Adjacent Resources</i></p>
12:00	Lunch and end of program