

**Cologne-Twente Workshop 2008
Program**

	Tuesday 13	
9:00-10:00	Registration Opening session	
10:00-10:30	Coffee break	
10:30-12:00	<p style="text-align: center;">A1- Graph theory (I)</p> <p>Fomin, Saurabh, Thilikos “Improving the gap of Erdos-Pósa property for minor-closed graph classes”</p> <p>Tsai, Fu, Chen “Fault-Free Hamiltonian Cycles in Pancake Graphs with Conditional Edge Faults”</p> <p>Dolati “Digraph Embedding on T_h”</p>	<p style="text-align: center;">B1 - Network design</p> <p>Caprara, Traversi, Schweizer “An Application of Network Design with Orientation Constraints”</p> <p>Schulte, Nieberg “Classbased Detailed Routing in VLSI Design”</p> <p>Fuchs, Schulze “A Simple 3-Approximation of Minimum Manhattan Networks”</p>
12:00-13:30	Lunch	
13:30-15:00	<p style="text-align: center;">A2 – Coloring (I)</p> <p>Gualandi, Malucelli “Exact Graph Coloring via Hybrid Approaches”</p> <p>Bampas, Pagourtzis, Potika “Maximum Profit Wavelength Assignment in WDM Rings”</p> <p>Abrardo, Detti, Nicosia, Pacifici, Servilio “Cellular radio resource allocation problem”</p>	<p style="text-align: center;">B2 - Graph optimization (I)</p> <p>Nieberg “A local approximation algorithm for maximum weight matching”</p> <p>Aringhieri, Braghin, Catanzaro “An Exact Approach for solving the Balanced Minimum Evolution Problem”</p> <p>Cordone, Passeri “Heuristic and exact approaches to the Quadratic Minimum Spanning Tree Problem”</p>
15:00-15:30	Coffee break	
15:30-17:00	<p style="text-align: center;">A3 – Polyhedra and formulations</p> <p>Stephan “On the cardinality constrained matroid polytope”</p> <p>Manic, Bahiense, de Souza “On the Facial Structure of the Common Edge Subgraph polytope”</p> <p>Liberti “Reformulations in Mathematical Programming: Definitions”</p>	<p style="text-align: center;">B3 – On-line optimization and uncertainty</p> <p>Eggenberg, Salani, Bierlaire “UFO: Uncertainty Feature Optimization, an Implicit Paradigm for Problems with Noisy Data”</p> <p>Cremers, Gromicho, Klein Haneveld, van der Vlerk “A dynamic service mechanic problem for a housing corporation”</p> <p>Hurink, Paulus “Special Cases of Online Parallel Job Scheduling”</p>
17:00-19:30	Social program “Wine, cheese and lemons”	

	Wednesday 14	
9:00-10:30	<p>A4 - Graph theory (II)</p> <p><u>Fountoulakis</u> “Percolation on sparse random graphs with given degree sequence”</p> <p>Dubois, Giakoumakis, <u>Ould el Mounir</u> “On co-distance hereditary graphs”</p> <p><u>Fernau</u>, Rodriguez-Velazquez, Sigarreta “Global r-alliances and total domination”</p>	<p>B4 - Graph optimization (II)</p> <p><u>Cavalcante</u>, de Souza “Exact Algorithms for the Vertex Separator Problem in Graphs”</p> <p><u>Güler</u> “Inverse Tension Problems”</p> <p>Amaldi, Galbiati, <u>Maffioli</u> “On minimum reload cost paths, tours and flows”</p>
10:30-11:00	Coffee break	
11:00-12:30	<p>A5 – Coloring (II)</p> <p><u>Machado</u>, de Figueiredo “A decomposition for total-coloring graphs of maximum degree 3”</p> <p><u>Morais de Almeida</u>, Picinin de Mello, Morgana “Using Latin Squares to Color Split Graphs”</p> <p><u>Prnaver</u>, Zmazek “On total chromatic number of direct product graphs”</p>	<p>B5 – Routing</p> <p><u>Nannicini</u>, Delling, Liberti, Schultes “Bidirectional A* on Time-dependent Graphs”</p> <p><u>Cacchiani</u>, Fernandez Muritiba, Negreiros, Toth “A Multi-start Heuristic Algorithm for the Generalized Traveling Salesman Problem”</p> <p>Anily, <u>Pfeffer</u> “The Uncapacitated Swapping Problem”</p>
12:30-14:00	Lunch	
14:00-19:30	Social excursion to Sirmione (Grotte di Catullo) by boat	
19:30	Social dinner	

	Thursday 15	
9:00-10:30	<p>A6 - Graph theory (III)</p> <p>Banič, Erveš, Žerovnik “Edge fault-diameter of Cartesian graph bundles”</p> <p>Ravaux “Decomposing trees with large diameter”</p> <p>Cohen, Golumbic, Lipshteyn, Stern “On the Bi-enhancement of Chordal-bipartite Probe Graphs”</p>	<p>B6 – Column generation</p> <p>Hoshino, de Souza “Column Generation Algorithms for the Capacitated m-Ring-Star Problem”</p> <p>Amaldi, Ceselli, Dhyani “Column Generation for the Minimum Hyperplanes Clustering Problem”</p> <p>Vacca, Bierlaire, Salani “Two-stage Column Generation in Container Terminal Management”</p>
10:30-11:00	Coffee break	
11:00-12:30	<p>A7 - Mathematical Programming</p> <p>Markenzon, Pereira “A Compact Representation for Chordal Graphs”</p> <p>Engelbeen, Fiorini “Constrained Decompositions of Integer Matrices and their Applications to Intensity Modulated Radiation Therapy”</p> <p>Aloisio, Arbib, Marinelli “A Note on LP Relaxations for the 1D Cutting Stock Problem with Setup Costs”</p>	<p>B7 – Location</p> <p>Lari, Ricca, Scozzari, Becker “Locating Median Paths on Connected Outerplanar Graphs”</p> <p>Vizcaino Gonzalez, Lyra “Dynamic Programming for Optimization of Capacitor Allocation in Power Distribution Networks”</p> <p>Spoerhase, Wirth “Approximating (r, p)-Centroid on a Path”</p>
12:30-12:45	Closing session	
12:45-14:00	Lunch	