Combinatorial Optimization Track	Graph Theory Track

Monday, June 6th

8.45 - 9.00 OPENING SESSION

AA: Approximation Algorithm — 9.00 - 10.30
Chair: Klaus Jansen

Monday, June 6th	AA	Authors	Title
9.00-9.30	38	Marika Ivanova	The Shared Broadcast Tree Problem and MST Bounded-Degree Spanning Trees with Nodes of Degree One
9.30-10.00	53	Walter Kern and Bodo Manthey	
10.00-10.30	67	Klaus Jansen and Denis Trystram	Scheduling parallel jobs on heterogeneous platforms

CG: Connectivity on Graphs — 9.00 - 10.30
Chair: Rainer Schrader

Monday, June 6th	CG	Authors	Title
9.00-9.30	2	Ana Silva and Cláudia Linhares Sales	Graphs with large girth are b-continuous
9.30-10.00	8	Christoph Brause, Trung Duy Doan and Ingo Schiermeyer	Proper connection number 2, connectivity, and forbidden subgraphs
10.00-10.30	9	Christoph Brause, Trung Duy Doan and Ingo Schiermeyer	On the minimum degree and the proper connection number of graphs

H1: Heuristics — 11.00 - 13.00
Chair: Roberto Cordone

Monday, June 6th	H1	Authors	Title
11.00-11.30	16	Claudia Justel, Carlos Eduardo Pinheiro Rocha and Emanuelle Chaves	Experiments with two heuristic algorithms for the Maximum Algebraic Connectivity Augmentation Problem
11.30-12.00	41	Roberto Cordone and Guglielmo Lulli	Multimode extensions of Combinatorial Optimization problems
12.00-12.30	54	Alberto Ceselli, Marco Premoli and Stefano Secci	Heuristics for static cloudlet location
12.30-13.00	65	Roberto Aringhieri, Andrea Grosso, Pierre Hosteins and Rosario Scatamacchia	A preliminary analysis of the Distance Based Critical Node Problem

GC: Graph Coloring — 11.00 - 13.00
Chair: Ingo Schiermeyer

Monday, June 6th	GC	Authors	Title
11.00-11.30	29	Parinya Chalermsook and Daniel Vaz	A Note on Fractional Coloring and the Integrality gap of LP for Maximum Weight Independent Set
11.30-12.00	37	Sreekanth Gorla and Meghana Nasre	List Coloring of Planar Graphs with Forbidden Cycles
12.00-12.30	42	Ömer Can Yavuzyilmaz and Enver Kayaaslan	Subset matching and edge coloring in bipartite graphs
12.30-13.00	6	Christoph Brause, Trung Duy Doan and Ingo Schiermeyer	On the chromatic number of $Chair: P\_5, K\_{2,t}$-free graphs

H2: Heuristics — 14.30 - 16.30
Chair: Alberto Ceselli

Monday, June 6th	H2	Authors	Title
14.30-15.00	27	Christopher Expósito-Izquierdo, Kevin Robayna-Hernández, Belén Melián-Batista and José Marcos Moreno-Vega	Optimizing the Transshipment Operations of Container Vessels in Maritime Container Terminal
15.00-15.30	28	Israel López-Plata, Christopher Expósito-Izquierdo, Belén Melián-Batista and José Marcos Moreno-Vega	Optimizing the Movement of Containers on the Yard of a Maritime Container Terminal
15.30-16.00	40	Airam Exposito Marquez, Christopher Expósito-Izquierdo, Belén Melián-Batista, José Marcos Moreno-Vega and Julio Brito-Santana	Hybrid Approach of Decision-Making Strategies and Optimization Techniques for a Tourism Application
16.00-16.30	57	Valentina Cacchiani, Feng Jiang and Paolo Toth	Timetable Optimization for High-Speed Trains at Chinese Railways

GO: Graph Optimization — 14.30 - 16.30
Chair: Jochen Harant

Monday, June 6th	GO	Authors	Title
14.30-15.00	17	Pankaj Pundir and Gadhamsetty Ramakrishna	On Minimum Average Stretch Spanning Trees in Grid Graphs
15.00-15.30	18	Christina Büsing, Sarah Kirchner and Annika Thome	The Capacitated Budgeted Minimum Cost Flow Problem with Unit Upgrading Costs
15.30-16.00	43	Marcia R. Cerioli and Paloma Lima	Intersection of Longest Paths in Graph Classes
16.00-16.30	66	Jochen Harant	On longest cycles in essentially 4-connected planar graphs

CO: Combinatorial Optimization — 17.00 - 18.30
Chair: Gábor Nagy

Monday, June 6th	CO	Authors	Title
17.00-17.30	5	Maurizio Bruglieri and Roberto Cordone	Partitioning a graph into minimum gap components
17.30-18.00	26	Isabella Lari, Justo Puerto, Federica Ricca and Andrea Scozzari	Algorithms for uniform centered partitions of trees
18.00-18.30	52	Becky Callaghan, Said Salhi and Gábor Nagy	Drezner's Exact Method for the Continuous p-Centre Problem Revisited

GT: Game Theory — 17.00 - 18.30
Chair: Dmitrii Lozovanu

Monday, June 6th	GT	Authors	Title
17.00-17.30	15	Sascha Kurz, Xavier Molinero, Martin Olsen and Maria Serna	Dimension and Codimension of Simple Games
17.30-18.00	58	Vikas Vikram Singh, Oualid Jouini and Abdel Lisser	Equivalent Nonlinear Complementarity Problem for Chance-constrained Games
18.00-18.30	10	Dmitrii Lozovanu and Stefan Pickl	Determining the Optimal Strategies for Zero-Sum Average Stochastic Positional Games

18.45 - 19.30 WINE & CHEESE TASTING

Combinatorial Optimization Track	Graph Theory Track

Tuesday, June 7th

MP: Mathematical Programming — 9.00 - 10.30
Chair: Leo Liberti

Tuesday, June 7th	MP	Authors	Title
9.00-9.30	23	Gustavo Dias and Leo Liberti	New methods for the Distance Geometry Problem
9.30-10.00	45	Jia Liu, Abdel Lisser and Zhiping Chen	Stochastic geometric programming with joint probabilistic constraints
10.00-10.30	24	Leo Liberti, Pierre-Louis Poirion and Ky Vu	Solving LP using random projections

CC1: Computational Complexity — 9.00 - 10.30
Chair: Walter Kern

Tuesday, June 7th	CC1	Authors	Title
9.00-9.30	7	Rafael Veiga Pocai	The Complexity of SIMPLE MAX-CUT on Comparability Graphs
9.30-10.00	30	Zsuzsa Karkus	Hardness results for stable exchange problems
10.00-10.30	47	Julliano Rosa Nascimento, Erika Morais Martins Coelho, Hebert Coelho and Jayme Luiz Szwarcfiter	On the Complexity of the P_3-Hull Number of the Cartesian Product of Graphs

IPM1: Integer Programming Models — 11.00 - 13.00
Chair: Andrea Pacifici

Tuesday, June 7th	IPM1	Authors	Title
11.00-11.30	12	Roberto Cordone, Pierre Hosteins and Giovanni Righini	The Prize-Collecting Single Machine Problem with Deadlines
11.30-12.00	59	Marco Casazza and Alberto Ceselli	Column generation for the variable cost and size bin packing problem with fragmentation
12.00-12.30	22	Maurizio Naldi, Gaia Nicosia, Andrea Pacifici and Ulrich Pferschy	Maximin Fairness in Project Budget Allocation
12.30-13.00	14	Luca Mencarelli, Claudia D'Ambrosio, Angelo Di Zio and Silvano Martello	Heuristics for the General Multiple Non-linear Knapsack Problem

GS: Graph Structures — 11.00 - 13.00
Chair: Ulrich Faigle

Tuesday, June 7th	GS	Authors	Title
11.00-11.30	13	Carla Oliveira and Leonardo Lima	A lower bound for the sum of the two largest signless Laplacian eigenvalues
11.30-12.00	21	Zakir Deniz, Tinaz Ekim, Tatiana Romina Hartinger, Martin Milanic and Mordechai Shalom	On Three Extensions of Equimatchable Graphs
12.00-12.30	51	Verónica Hernández, José M. Rodríguez and Domingo Pestana	Diameter, minimum degree and hyperbolicity constant in graphs
12.30-13.00	3	Ulrich Faigle	Weighted Graphs as Dynamical Interaction Systems

14.00 - 20.00 TRIP TO MALCESINE AND MONTE BALDO

20.30 SOCIAL DINNER

Wednesday, June 8th

IP: Integer Programming — 9.00 - 10.30
Chair: Johann Hurink

Wednesday, June 8th	IP	Authors	Title
9.00-9.30	4	Marianna De Santis	Dual approaches for a specific class of integer nonlinear programming problems
9.30-10.00	31	Borzou Rostami and Federico Malucelli	A generalized Gilmore-Lawler procedure for the quadratic assignment problem
10.00-10.30	56	Jean-Paul Doignon, Samuel Fiorini and Selim Rexhep	The Linear Extension Polytope of a Poset

CC2: Computational Complexity — 9.00 - 10.30
Chair: Bodo Manthey

Wednesday, June 8th	CC2	Authors	Title
9.00-9.30	48	Bálint Hujter, Viktor Kiss and Lilla Tóthmérész	Some positive results on the complexity of the chip-firing reachability problem
9.30-10.00	60	Narayan Vikas	Computational Complexity Relationship between Compaction and Vertex-Compaction
10.00-10.30	61	Ismael González Yero	Vertices, edges, distances and metric dimension in graphs

IPM2: Integer Programming Models — 11.00 - 13.00
Chair: Ulrich Pferschy

Wednesday, June 8th	IPM2	Authors	Title
11.00-11.30	34	Evellyn Cavalcante, Johan Oppen, Phillippe Samer and Sebastián Urrutia	Combinatorial Relaxation Bounds and Preprocessing for Berth Allocation Problems
11.30-12.00	63	Simona Mancini, Maurizio Bruglieri, Ferdinando Pezzella and Ornella Pisacane	A new Mathematical Programming Model for the Green Vehicle Routing Problem
12.00-12.30	55	Paolo Gianessi, Alberto Ceselli, Lucas Létocart and Roberto Wolfler Calvo	A Branch&Price&Cut algorithm for the Vehicle Routing Problem with Intermediate Replenishment Facilities
12:30-13:00	11	Anja Fischer, J. Fabian Meier, Ulrich Pferschy and Rostislav Stanek	Linear Models and Computational Experiments for the Quadratic TSP

AS: Algebraic Structures — 11.00 - 13.00
Chair: Giovanni Righini

Wednesday, June 8th	AS	Authors	Title
11.00-11.30	19	Petr Golovach, Dieter Kratsch, Daniel Paulusma and Anthony Stewart	Squares of Low Clique Number
11.30-12.00	20	Keno Merckx, Jean Cardinal and Jean-Paul Doignon	On the shelling antimatroids of split graphs
12.00-12.30	35	Jesmmer Alves, Diane Castonguay and Thomas Brustle	A Polynomial Recognition of Unit Forms
12.30-13.00	39	Amal Gassara and Ismael Bouassida Rodriguez	Encoding Bigraphical Reactive Systems into Graph Transformation Systems

13.00 - 13.15 CLOSING SESSION