	Thursday, May 11	
08:30 - 20:00	RECEPTION	
	Room 1: ELPIDA	**Room 2: FAIDRA**
09:30 - 10:00	*Welcome Speeches*	
10:00 - 11:20	**Session 1: Scheduling** **Chair: Klaus Jansen**	**Session 2: Supply Chain Management** **Chair: Nikolaos Kyriakakis**
10:00-10:20	*A Column Generation Driven Heuristic for Order-Scheduling and Rack-Sequencing in Robotic Mobile Fulfillment Systems,* Jan-Erik Justkowiak, Erwin Pesch	*Pickup and Delivery with AGVs: challenges and opportunities,* Francesco Gallesi, Manuel Iori, Marco Locatelli, Rafael Praxedes, Anand Subramanian
10:20-10:40	*Efficiency-Fairness Tradeoff for a Multi-Agent Single Machine Scheduling Problem* Gaia Nicosia, Alessandro Agnetis, Mario Benini, Andrea Pacifici	*Application of Machine Learning Demand Forecasting Techniques in the Italian Processed Meat Industry* *Mirko Mucciarini, Giulia Caselli, Manuel Iori, Marco Lippi*
10:40-11:00	*Load Balancing: The Long Road from Theory to Practice* Klaus Jansen	*Iterated Local Search for the eBuses Charging Location Problem with Multiple Ports* Cesar David, Loaiza Quintana, Laura Climent, Alejandro Arbelaez
11:00-11:20		*A Genetic-based Method For Budget-constrained Charging Station €rrangement: A Case Study In Chania* *Themistoklis Stamadianos, Nikolaos A. Kyriakakis, Magdalene Marinaki, Yannis (Ioannis) Marinakis*
11:20-11:40	***Coffe Break***	
11:40 - 12:40	***Chair: Silvano Martelo*** ***Plenary Speech: Nelson Maculan*** ***Title: Euclidean Steiner Tree Problem in R^n: Optimization Models and New Heuristics*** ***(Room 1: ELPIDA)***	
12:40 - 14:00	**Session 3: Routing** **Chair: Giovanni Righini**	**Session 4: Bioinformatics** **Chair: Jacek Blazewicz**
12:40-13:00	*Kalmanson heuristics for the travelling salesman problem* Vladimir Deineko, Mengke Wang	*A Branch-and-Price-and-Cut algorithm for non-adaptive two-dimensional group testing with equal group size* Tifaout Almeftah, Diego Cattaruzza, Martine Labbe, Frederic Semet
13:00-13:20	*The Hierarchical Multi-Switch Multi-Echelon Vehicle Routing Problem: Model Formulations and Solution Approaches* *Marduch Tadaros*	*Automated design of metaheuristics using Conditional Markov Chain Search* Daniel Karapetyan
13:20-13:40	*Swarm Intelligence Algorithms for the Two Echelon Location Routing Problem* *Maria Tsiftsoglou, Yannis (Ioannis) Marinakis, Magdalene Marinaki*	*WebTetrado: easygoing quadruplex buddy* Bartosz Adamczyk
13:40-14:00	*The Electric Symmetric and Asymmetric Traveling Salesman Problem* Giovanni Righini, Alberto Ceselli, Emanuele Tresoldi, Cristina Ondei	*RNA World model with inhibitors* Jaroslaw Synak, Agnieszka Rybarczyk, Jacek Blazewicz
14:00-15:00	***Light Lunch***	
15:00 - 16:20	**Session 5: Scheduling** **Chair: Natalia Shakhlevich**	**Session 6: Supply Chain Management** **Chair: Joerg Kalcsics**
15:00-15:20	*Single machine scheduling with assignable due dates to minimize maximum and total late work* Erwin Pesch, Jan-Erik Justkowiak, Sergey Kovalev, Mikhail Y. Kovalyov	*Optimization of Real-Time Multiserver System with Limited Maintenance Facilities* Joseph Kreimer
15:20-15:40	*A unified CP-based evolutionary algorithm for solving flexible job shop scheduling problems with resource constraints* *Dimitris Paraskevopoulos, Grigoris Kasapidis, Yiannis Mourtos, Panagiotis Repoussis*	*Swarm Intelligence Algorithms for Cold Supply Chain Management Problems* Andromachi Taxidou, Magdalene Marinaki, Yannis (Ioannis) Marinakis
15:40-16:00	*Solving a real-life multi-skill resource-constrained multi-project scheduling problem* Rahman Torba, Stephane Dauzere-Peres, Claude Yugma, Cedric Gallais, Juliette Pouzet	*Introduction to Edge-Defence Firefighter* Cat Wedderburn, Joerg Kalcsics
16:00-16:20	*Network Flow Techniques for Preemptive Scheduling on Identical Parallel Machines: Revising and Extending Horn's Conditions* *Natalia Shakhlevich, Akiyoshi Shioura, Vitaly Strusevich*	*Firefighter with vertex values and defence budget* Joerg Kalcsics, Marta Baldomero-Naranjo, Antonio Manuel Rodriguez-Chia, Cat Wedderburn
16:20-16:40	***Coffe Break***	
16:40 - 18:20	**Session 7: Logistics** **Chair: Filipe Rodrigues**	**Session 8: Mutli-objective Problems** **Chair: Konstantinos Zervoudakis**
16:40-17:00	*Container Dispatching and Conflict-Free Yard Crane Routing in an Automated Container Terminal* Jenny Nossack, Dirk Briskorn, Erwin Pesch	*An output-polynomial time algorithm to determine all supported efficient solutions for multi-objective integer network flow problems* David Konen
17:20-17:40	*Design and analysis of vehicle scheduling and routing methods on a port logistics problem from the aspect of environmental impact and cost-efficiency* Tibor Dulai, Daniil Baldouski, Balazs David, Gyorgy Dosa, Miklos Kresz, Zsuzsanna Nagy, ÁgnesStark-Werner	*A Multi-Objective Perspective on the Cable-Trench Problem* Lara Lohken, Michael Stiglmayr
17:40-18:00	*Berth allocation and quay crane assignment problem under uncertainty* Filipe Rodrigues, Agostinho Agra	*Addressing the combinatorial problem of product line design using many-objective optimization* Konstantinos Zervoudakis, Stelios Tsafarakis
18:00-18:20	***Conference Photo***	
18:20 - 20:00	*Welcome Party*	

	Friday, May 12	
09:30 - 15:00	RECEPTION	
	Room 1: ELPIDA	**Room 2: FAIDRA**
10:00 - 11:20	**Session 9: Scheduling** **Chair: Dvir Shabtay**	**Session 10: Graphs** **Chair: Alain Hertz**
10:00-10:20	*Lower bounds for the permutation flowshop scheduling problem,* Sebastian Caceres Gelvez, Adam Letchford, Thu Huong Dang	*Complexity of domination problems in graphs* Olivier Hudry
10:20-10:40	*Scheduling in manufacturing with transportation* Amir Hosseini, Alena Otto, Erwin Pesch	*Exact Algorithms and Hardness Results of Cosecure Domination in Graphs* Kusum Sangwan, Arti Pandey
10:40-11:00	*Scheduling Conferences with a Two-phase Matheuristic Approach* Yaroslav Pylyavskyy, Ahmed Kheiri, Peter Jacko	*Combinatorial techniques in the enumeration of Boolean functions,* Josep Freixas, Xavier Molinero, Dani Samaniego
11:00-11:20	*Minimizing Total Operations Rejection Cost Plus Makespan Value in a Two-Machine Flow-Shop Scheduling Problem* Dvir Shabtay, Enrique Gerstl	*Decycling bipartite graphs* Alain Hertz
11:20-11:40	***Coffe Break***	
11:40 - 12:40	***Chair: Nikolaos Matsatsinis*** ***Plenary Speech: Bo Chen*** ***Title: Auctions and Bidding*** ***(Room 1: ELPIDA)***	
12:40 - 14:00	**Session 11: Routing** **Chair: Magdalene Marinaki**	**Session 12: Miscellaneous** **Chair: Paolo Toth**
12:40-13:00	*A Branch-Cut-and-Price Algorithm for the Storage Location Assignment and Picker Routing Problem* *Thibault Prunet, Nabil Absi, Valeria Borodin, Diego Cattaruzza*	*Allocation problems with minimal dissatisfaction on preference graphs* Ulrich Pferschy
13:00-13:20	*A column generation approach for last-mile deliveries with capacitated robot stations* Yerlan Kuzbakov, Laurent Alfandari, Diego Delle Donne	*Models for the two-dimensional variable-sized cutting stock problem in the honeycomb cardboard industry* *Paula Teran Viadero, Antonio Alonso-Ayuso, F. Javier Martin-Campo*
13:20-13:40	*The Ordered Travelling Salesman Problem: A comparison of formulations* *Francisco Temprano Garcia, Alfredo Marin, Ivana Ljubic, Justo Puerto*	*A mixed 0-1 linear optimisation model for the 1.5-dimensional cutting stock problem with slitting line allocation* F. Javier Martin-Campo, Maria Sierra-Paradinas, Antonio Alonso-Ayuso, OscarSoto-Sanchez, Micael Gallego
13:40-14:00	*The Drone Routing Problem with Pickups, Deliveries and Battery Replacement Stations* Emmanouil Giannoulakis, Nikolaos A. Kyriakakis, Magdalene Marinaki, Yannis (Ioannis) Marinakis	*Models and Deterministic Matheuristic Algorithms for the Quadratic Knapsack Problem with Setup* Paolo Toth, Laura Galli, Silvano Martello, Carlos Rey
14:00-15:00	***Light Lunch***	
15:00 - 16:20	**Session 13: Facility location** **Chair: Nikolaos Ploskas**	**Session 14: Miscellaneous** **Chair: Juan José Salazar González**
15:00-15:20	*Cost minimizing planning of container inspection and repair in multiple facilities* *Lukashevich Mikhail, Erwin Pesch, Mikhail Y. Kovalyov*	*Counting how weightedness is a simple game restricted to their weighted players* *Xavier Molinero, Josep Freixas, Salvador Roura*
15:20-15:40	*Exact Solution Methods for the p-Median Problem with Manhattan Distance and a River with Crossings* *Thomas Byrne,Atsuo Suzuki*	*Solving the flexible job-shop scheduling problem with transportation resources* *Lucas Berterottiere, Stéphane Dauzere-Peres, Claude Yugma*
15:40-16:00	*The Structure of Mean-Variance and Max Entropy Frontiers in Portfolio Optimization* *Yiannis Dimotikalis, Takis Varelas*	*Optimization and Simulation of Renewable Energy Communities* *Nathalie Friess, Ulrich Pferschy, Joachim Schauer, Elias Feiner*
16:00-16:20	*Integer programming formulations for facility location problems with distance constraints* *Nikolaos Ploskas*	*Solving a combinatorial problem to find another planet to live on* *Juan José Salazar González*
16:20-16:40	***Coffe Break***	
16:40 - 18:20	**Session 15: Bioinformatics** **Chair: Marta Szachniuk**	**Session 16: Miscellaneous** **Chair: Maciej Drozdowski**
16:40-17:00	Analysis of k-mer characteristics for the reference genome in the Genomic Map of Poland project Aleksandra Swiercz	*Introduction to the Satellite Image Mosaic Combination Problem* *Jedrzej Musial, Manuel Combarro Simon, Gregoire Danoy, Mohammed Alswaitti, Andrei Tchernykh, Johnatan Pecero, Pascal Bouvry*
17:20-17:40	Genomic Map of Poland - computational and machine learning challenges Piotr Lukasiak	*An efficient tour construction heuristic for candidate set generation of the large Traveling Salesman Problem* *Boldizsár Tüű-Szabó, Péter Földesi, Laszlo T. Koczy*
17:40-18:00	RNApdbee 3: an RNA structure multitool with optimum pseudoknot order assignment *Tomasz Żok*	*Cyclic Scheduling for the Single Track Railway Problem* *Grzegorz Pawlak*
18:00-18:20	Knot hunters in the molecule world *Marta Szachniuk*	*Quay Partitioning Problem* *Maciej Drozdowski, Jakub Wawrzyniak, Eric Sanlaville, Yoann Pigné, Frédéric Guinand*
20:30	***Conference Dinner at Restaurant Glossitses***	

	Saturday, May 13		Sunday, May 14
	Room 1: ELPIDA		
10:00 - 11:20	**Session 17: Graphs** **Chair: Hadrien Melot**		
10:00-10:20	*On struction in k-partite graphs* Bogdan Zavalnij, Sandor Szabo		
10:20-10:40	*Exploring extremal properties of graphs using PHOEG* Hadrien Melot, Sebastien Bonte, Gauvain Devillez, Pierre Hauweele		
10:40-11:00	*How to efficiently cut in bi-objective Branch & Bound?* Yue Zhang, Pierre Fouilhoux, Lucas Letocart		
11:00-11:20	*Extremal properties of the arithmetic geometric index* Sebastien Bonte, Alain Hertz, Hadrien Melot, Gauvain Devillez, Pierre Hauweele		
11:20-11:40	***Coffe Break***		
11:40 - 12:40	***Chair: Yannis Marinakis*** ***Plenary Speech: Greet Vanden Berghe*** ***Title: Personnel rostering: trends and challenges in theory and practice*** ***(Room 1: ELPIDA)***		
12:40 - 13:00	***Closing Session***		
13:00 - 17:00	***Excursion to Theriso Village***	***10:00 - 16:30***	***Excursion to Lake Kournas***