

Day	Start	End	Session	Chair			Lecture Title	
Monday Feb. 9	8:00	9:00	REGISTRATION					
	9:00	9:20	PH.D. SCHOOL OPENING		10AYW organizing committee			
	9:30	11:00	MATTEO FISCHETTI		Alice Raffaele		Benders and Bilevel Optimization	
	11:00	11:30	COFFEE BREAK					
	11:30	13:00	MARCO DI SUMMA		Gabriele Sanguin		Comparing branch-and-bound, cutting planes, and branch-and-cut	
	13:00	14:30	LUNCH BREAK					
	14:30	16:00	FRANCESCO RINALDI		Matteo Pernini		Frank-Wolfe and friends: a journey into projection-free optimization methods	
	16:00	16:30	COFFEE BREAK					
16:30	18:00	DOMENICO SALVAGNIN		Francesco Cavaliere		Computational Research 101		
Day	Start	End	Session	Session Title	Chair	Start Time	Name	Title
Tuesday, Feb. 10	8:00	9:00	REGISTRATION					
	9:00	9:20	WORKSHOP OPENING		10AYW organizing committee			
	9:20	11:00	1	Transportation and Logistics I	Francesco Cavaliere	9:20	Abdelouahab Moubane	Modeling and Optimization of Truck and Robot Routing without Robot-Depots
						9:40	Fabio Buffoli	Beating Highway Gridlock: Iterative User Equilibrium with Local Congestion Caps
						10:00	Antonino Carè	Last-mile Delivery with Autonomous Robots and Public Transport Line
						10:20	Pierre Vendé	The Electric Vehicle Fleet Composition Problem with temperature considerations
						10:40	Khaoula Kharfati	A Two-Stage Decomposition Method for the Electric Traveling Salesman Problem with Time Windows
	11:00	11:30	COFFEE BREAK					
	11:30	12:30	2	Scheduling and Timetabling I	Alessandro Druetto	11:30	Annalisa Castelletti	Batch Scheduling with Compatible Families and Setups: Enhanced MILP Formulations
						11:50	Lorenzo Tomasetti	A Comprehensive Hybrid Flow Shop Scheduling Model for Steelmaking and Ingot Casting
						12:10	Marco Zunino	University Timetabling with Professor Preferences: Exact and Heuristic Methods
	12:30	14:00	LUNCH BREAK					
	14:00	15:00	WOLFRAM WIESEMANN		Anthony Palmieri			Large-Scale and Data-Driven Markov Decision Processes
	15:00	16:00	3	Optimization under Uncertainty I	Lorenzo Perinello	15:00	Federica Donnini	Heuristics for two-stage stochastic K -adaptability
						15:20	Hubert Villuendas	First-Order Methods for Distributionally Robust Mixed-Integer Optimization
					15:40	Soroush Fatemi-Anaraki	Network Flexibility Design Under Endogenous Uncertainty	
16:00	16:30	COFFEE BREAK						
16:30	17:30	4	Advances in Mathematical Programming I	Matteo Pernini	16:30	Diego Scuppa	A gradient method with momentum for Riemannian manifolds	
					16:50	Elisa Trasatti	Manifold optimization methods for the XY random field	
					17:10	Riccardo Tomassini	Combining discretization and exact penalty techniques in semi-infinite programming	
17:30	18:30	5	Energy and Environmental Applications I	Martina Galeazzo	17:30	Andrea Spinelli	A Stochastic Electric Vehicle Routing Problem under Uncertain Energy Consumption	
					17:50	Pietro Girardis	A Three-Stage Lexicographic Constraint Programming Approach for an Energy-Efficient Scheduling Problem	
					18:10	Leena Aizdi	Energy-Aware Sequencing and Routing in GreenWarehouses by Integrating Energy Management Systems and Renewable Energy	
Wedn., Feb. 11	8:00	9:00	REGISTRATION					
	9:00	10:00	6	Network Optimization I	Gabriele Sanguin	9:00	Eleonora Bellesso	Analysis of a general regularized continuous formulation for the maximum s -plex problem
						9:20	Roberto Ronco	On the Spectrum of Path-Length Density Matrices of Unrooted Binary Trees
						9:40	Stefano Ardizzoni	Shortest Path Problem with Functional Edge Costs
	10:00	10:30	COFFEE BREAK					
	10:30	11:30	STEFAN ROPKE		Francesco Cavaliere			Vehicle Routing Problems
	11:30	12:30	7	Scheduling and Timetabling II	Martina Doneda	11:30	Alice Daldossi	Building a fair and efficient surgical unit: insights from academic vascular surgery
						11:50	Sara Cambiaghi	A Column-Generation Approach to Joint Master Surgical Scheduling and Case Assignment under Bed Capacity Constraints
						12:10	Martina Doneda	An ILP approach to urgent patient management in an orthopedic department
	12:30	14:00	LUNCH BREAK					
	14:00	15:00	8	Transportation and Logistics II	Matteo Cosmi	14:00	Cevat Enes Karaahmetoglu	Multiobjective Route Planning for Multi-Truck Multi-UAV Operations: Multi-Visit Sorties and Flexible Rendezvous Points
					14:20	Paolo Beatrice	A Benders decomposition approach for a green bi-objective stochastic fleet size and mix vehicle routing problem	
					14:40	Veronica Mosca	Multi-Quality Multi-Objective Green VRP with Air-Conditioning Systems	
15:00	16:00	9	Optimization under Uncertainty II	Marta L. Tessitore	15:00	Arianna Freda	Cost-Aware Scheduling under Uncertainty: An Optimization Model for Heart Donor Management	
					15:20	Giovanni Spisso	The Maximum Clique Problem under Adversarial Uncertainty: a min-max approach	
					15:40	Yasmany Fernández Fernández	Hybrid Strategy in the Robust Evacuation Problem Considering Network Complexities	
16:00	17:00	10	Heuristics and Metaheuristics	Martina Galeazzo	16:00	Elisa Savio	A Tabu Search for the Three-Dimensional Block Relocation Problem with Item Families	
					16:20	Seyyedeh Reihaneh Naghib Hosseini	Minimizing the Energy Consumption of Terminal Vehicles for Stowage Planning	
					16:40	Enrico Brambilla	Relax-and-Explore Kernel Search for Multidimensional Multiple-Choice Knapsack Problems	
17:00	19:30	SOCIAL EVENT AT PALAZZO BO SPONSORED BY HEXALY						

Thursday, Feb. 12	8:00	9:00	REGISTRATION						
	9:00	10:00	11	Network Optimization II	Anthony Palmieri	9:00	Luca Pirolo	Optimal location of e-bike chargers on touristic cycleway networks	
						9:20	Fabio Ciccarelli	Branch-and-price strikes back for the k-vertex cut problem	
						9:40	Nikola Kovačević	Network design and material flow simulation for wood value chains	
	10:00	10:30	COFFEE BREAK						
	10:30	11:30	MARTINE LABBÉ			Matteo Pernini	Solving Chance-Constrained (mixed integer) Linear Optimization Problems with Branch-and-Cut		
	11:30	12:30	12	Transportation and Logistics III	Sara Stoja	11:30	Alessia Ciacco	Steiner Traveling Salesman Problem with Time Windows and Pickup-Delivery: integrating classical and quantum optimization	
						11:50	Federico Michelotto	A Novel Decomposition Scheme for the CVRP	
						12:10	Sara Stoja	Crowdshipping and Locker Solutions for Dynamic Last-Mile Delivery	
	12:30	14:00	LUNCH BREAK						
	14:00	14:30	INDUSTRIAL 1 – Hexaly, Mosek			Lorenzo Perinello			
	14:30	15:30	13	Advances in Mathematical Programming II	Gabriele Sanguin	14:30	Edoardo Cesaroni	Derivative-Free Bilevel Optimization with Inexact Lower-Level Solutions	
						14:50	Matteo Zanella	MIP Formulations for Delete-Free AI Planning	
						15:10	Mariagrazia Cairo	On the Lagrangian Relaxation in a Bi-Objective Branch and Bound algorithm	
15:30	16:50	14	Transportation and Logistics IV	Martina Doneda	15:30	Luca Dalla Costa	A Constrained Shortest Path Algorithm for Dynamic Airspace Configuration		
					15:50	Filippo Magi	Tactical Deconfliction with Speed and Path Modifications for Urban Air Mobility		
					16:10	Yingzhi Wang	Airport subsidy for air-HSR intermodal service in a multi-airport system: Direct amount vs. discount		
					16:30	Carlo Maria Aloe	Bi-Objective Programming for Time-Energy AS/RS Cycle Planning in Single-Deep Racking		
16:50	17:20	COFFEE BREAK + GROUP PICTURE							
17:20	18:30	AIRO YOUNG ROUNDTABLE + MEETING			Alice Raffaele, AIRO Young board				
20:00	23:00	SOCIAL DINNER AT OSTERIA ANTICO BROLO							
Friday, Feb. 13	8:00	9:00	REGISTRATION						
	9:00	10:00	15	Energy and Environmental Applications II	Francesco Cavaliere	9:00	Gianluca Sabbatini	A Rolling Horizon Multi-Stage Optimization Framework for Local Flexibility Procurement	
						9:20	Giovanni Micheli	Multi-horizon optimization for domestic renewable energy system design under uncertainty	
						9:40	Silvia Cordieri	An Energy-Efficient Optimization Strategy for Multi-Carrier Energy Systems	
	10:00	10:30	COFFEE BREAK						
	10:30	11:30	HANDE YAMAN			Lorenzo Perinello	Partitioning a Graph into Connected Components		
	11:30	12:50	16	Scheduling and Timetabling III	Gabriele Sanguin	11:30	Silvia Iuliano	A Global Optimization-based Methodology for Providing Grid Ancillary Services by Electric Vehicles Scheduling	
						11:50	Lingyuan Shi	Integrated optimization of train rescheduling and speed management during partial blockages: A decomposition approach	
						12:10	Xinyi Ye	On Makespan Scheduling with Stability	
						12:30	Marco Dottor	Efficient methods for large-scale cricket farming	
	12:50	14:15	LUNCH BREAK						
	14:15	14:30	INDUSTRIAL 2 – FICO			Matteo Pernini			
	14:30	15:50	17	Learning-based Optimization	Anthony Palmieri	14:30	Alessandro Minoli	A Data-Driven State Exploration Policy in Dynamic Programming for RCESPP	
						14:50	Angjelo Zojzi	An optimal dispatching method for incoming alarms in security operations centers	
					15:10	Chiara Faccio	Fast and Simple Multiclass Data Segmentation: An Eigendecomposition and Projection-Free Approach		
					15:30	Virginia Marcelli	Tailored Heuristics for Margin Optimal Regression Tree		
15:50	16:20	COFFEE BREAK							
16:20	17:20	18	Scheduling and Timetabling IV	Serena Fugaro	16:20	Martina Luzzi	Human resources management in SMEs: an optimized and innovative framework		
					16:40	Alex Fabián Barrales Araneda	Heuristic Approaches for Timetabling and Vehicle Scheduling with Electric Buses		
					17:00	Serena Fugaro	A Soft-Constrained Multi-Objective Facility Location approach to design a Household Waste Recycling Centres network in UK		
17:20	18:00	CLOSING							
				10AYW organizing committee					
Last update: January 21, 2026									