

Day	Start	End	Session	Chair	Lecture Title				
Monday Feb. 9	8:15	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	8:30	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
Wednesday, Feb. 11	12:30	14:00	LUNCH BREAK						
	14:00	15:00	PLENARY TALK – 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
Wednesday, Feb. 11	8:30	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	PLENARY TALK – STEFAN RÖPKE	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						
Wednesday, Feb. 11	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	Heuristics and Metaheuristics	Marta L. Tessitore	15:00	Elisa Savio		A Tabu Search for the Three-Dimensional Block Relocation Problem with Item Families
						15:20	Seyyedeh Reihaneh Naghib Hosseini		Minimizing the Energy Consumption of Terminal Vehicles for Stowage Planning
						15:40	Enrico Brambilla		Relax-and-Explore Kernel Search for Multidimensional Multiple-Choice Knapsack Problems
Wednesday, Feb. 11	16:00	17:00	10	Optimization under Uncertainty II	Martina Galeazzo	16:00	Arianna Freda		Cost-Aware Scheduling under Uncertainty: An Optimization Model for Heart Donor Management
						16:20	Giovanni Spisso		The Maximum Clique Problem under Adversarial Uncertainty: a min-max approach
						16:40	Yasmany Fernández Fernández		Hybrid Strategy in the Robust Evacuation Problem Considering Network Complexities
Wednesday, Feb. 11	17:00	19:30	SOCIAL EVENT AT PALAZZO BO SPONSORED BY HEXALY						

Thursday, Feb. 12	8:30	9:00	REGISTRATION					
	9:00	10:00	11	Network Optimization II	Anthony Palmieri	9:00 9:20 9:40	Luca Pirolo Fabio Ciccarelli Nikola Kovačević	Optimal location of e-bike chargers on touristic cycleway networks Branch-and-price strikes back for the k-vertex cut problem Network design and material flow simulation for wood value chains
	10:00	10:30	COFFEE BREAK					
	10:30	11:30	PLENARY TALK – MARTINE LABBÉ		Matteo Perini			Solving Chance-Constrained (mixed integer) Linear Optimization Problems with Branch-and Cut
	11:30	12:30	12	Transportation and Logistics III	Sara Stoia	11:30 11:50 12:10	Alessia Ciacco Federico Michelotto Sara Stoia	Steiner Traveling Salesman Problem with Time Windows and Pickup-Delivery: integrating classical and quantum optimization A Novel Decomposition Scheme for the CVRP Crowdsourcing and Locker Solutions for Dynamic Last-Mile Delivery
	12:30	14:00	LUNCH BREAK					
	14:00	14:30	SPONSOR SESSION – Hexaly, Mosek		Lorenzo Perinello			
	14:30	15:30	13	Advances in Mathematical Programming II	Gabriele Sanguin	14:30 14:50 15:10	Edoardo Cesaroni Matteo Zanella Mariagrazia Cairo	Derivative-Free Bilevel Optimization with Inexact Lower-Level Solutions MIP Formulations for Delete-Free AI Planning 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 15:50 16:10 16:30	Luca Dalla Costa Filippo Magi Yingzhi Wang Carlo Maria Aloe	A Constrained Shortest Path Algorithm for Dynamic Airspace Configuration Tactical Deconfliction with Speed and Path Modifications for Urban Air Mobility Airport subsidy for air-HSR intermodal service in a multi-airport system: Direct amount vs. discount 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		Alice Raffaele, AIRO Young board			
	20:00	23:00	SOCIAL DINNER AT OSTERIA ANTICO BROLO					
Friday, Feb. 13	8:30	9:00	REGISTRATION					
	9:00	10:00	15	Energy and Environmental Applications II	Francesco Cavaliere	9:00 9:20 9:40	Gianluca Sabbatini Giovanni Micheli Silvia Cordieri	A Rolling Horizon Multi-Stage Optimization Framework for Local Flexibility Procurement Multi-horizon optimization for domestic renewable energy system design under uncertainty An Energy-Efficient Optimization Strategy for Multi-Carrier Energy Systems
	10:00	10:30	COFFEE BREAK					
	10:30	11:30	PLENARY TALK – HANDE YAMAN PATERNOTTE		Lorenzo Perinello			Partitioning a Graph into Connected Components
	11:30	12:50	16	Scheduling and Timetabling III	Gabriele Sanguin	11:30 11:50 12:10 12:30	Silvia Iuliano Lingyuan Shi Xinyi Ye Marco Dottor	A Global Optimization-based Methodology for Providing Grid Ancillary Services by Electric Vehicles Scheduling Integrated optimization of train rescheduling and speed management during partial blockages: A decomposition approach On Makespan Scheduling with Stability Efficient methods for large-scale cricket farming
	12:50	14:00	LUNCH BREAK					
	14:00	14:30	SPONSOR SESSION – FICO, CNR-IAC		Matteo Perini			
	14:30	15:50	17	Learning-based Optimization	Anthony Palmieri	14:30 14:50 15:10 15:30	Alessandro Minoli Angelo Zojzi Chiara Faccio Virginia Marcelli	A Data-Driven State Exploration Policy in Dynamic Programming for RCESPP An optimal dispatching method for incoming alarms in security operations centers Fast and Simple Multiclass Data Segmentation: An Eigendecomposition and Projection-Free Approach 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 16:40 17:00	Martina Luzzi Alex Fabián Barrales Araneda Serena Fugaro	Human resources management in SMEs: an optimized and innovative framework Heuristic Approaches for Timetabling and Vehicle Scheduling with Electric Buses 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 26, 2026