

| Day | Start | End | Session | Chair | Lecture Title | | | |
|---------------------|-------|-------|--|---|---------------------|------------|--|--|
| | Start | End | Session | Chair | Start Time | Name | Title | |
| Monday Feb. 9 | 8:15 | 9:20 | REGISTRATION | | | | | |
| | 9:20 | 9:30 | PH.D. SCHOOL OPENING | | | | | |
| | 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 | Anthony Palmieri | | | 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 | |
| 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 A. 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 | 11:40 | INSTITUTIONAL GREETINGS BY BRUNO CHIARELLOTTO, HEAD OF THE DEPARTMENT OF MATHEMATICS OF THE UNIVERSITY OF PADOVA | | | | | |
| | 11:40 | 12:40 | PLENARY TALK – WOLFRAM WIESEMANN | Anthony Palmieri | | | | Large-Scale and Data-Driven Markov Decision Processes |
| | 12:40 | 14:00 | LUNCH BREAK | | | | | |
| | 14:00 | 14:40 | 2 | Optimization under Uncertainty I | Lorenzo Perinello | 14:00 | Federica Donnini | Heuristics for two-stage stochastic K -adaptability |
| | | | | | | 14:20 | Hubert Villuendas | First-Order Methods for Distributionally Robust Mixed-Integer Optimization |
| | 14:40 | 16:00 | 3 | Energy and Environmental Applications I | Alessandro Druetto | 14:40 | Andrea Spinelli | A Stochastic Electric Vehicle Routing Problem under Uncertain Energy Consumption |
| | | | | | | 15:00 | Pietro Girardis | A Three-Stage Lexicographic Constraint Programming Approach for an Energy-Efficient Scheduling Problem |
| | | | | | | 15:20 | Leena Aizdi | Energy-Aware Sequencing and Routing in GreenWarehouses by Integrating Energy Management Systems and Renewable Energy |
| | | | | | | 15:40 | Katarzyna Gdowska | Optimal Sectorization in Municipal Waste Collection Systems |
| | 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 | Scheduling and Timetabling I | Martina Galeazzo | 17:30 | Annalisa Castelletti | Batch Scheduling with Compatible Families and Setups: Enhanced MILP Formulations |
| | | | | | | 17:50 | Lorenzo Tomasetti | A Comprehensive Hybrid Flow Shop Scheduling Model for Steelmaking and Ingot Casting |
| | | | | | | 18:10 | Marco Zunino | University Timetabling with Professor Preferences: Exact and Heuristic Methods |
| Wedn., Feb. 11 | 8:30 | 9:00 | REGISTRATION | | | | | |
| | 9:00 | 10:00 | 6 | Network Optimization I | Matteo Cosmi | 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 SPONSORED BY HEXALY | | | | | |
| | 10:30 | 11:30 | PLENARY TALK – STEFAN RØPKE | 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 | Gabriele Sanguin | 14:00 | Cevat Enes Karaahmetoglu | Multiobjective Route Planning for Multi-Truck Multi-UAV Operations: Multi-Visit Sorties and Flexible Rendezvous Points |
| | | | | | | 14:20 | Paolo Beato | 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 |
| | 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 |
| | 17:00 | 19:30 | SOCIAL EVENT AT PALAZZO BO SPONSORED BY HEXALY | | | | | |

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| Thursday, Feb. 12 | 8:30 | 9:00 | REGISTRATION | | | | | |
| | 9:00 | 10:00 | 11 | Network Optimization II | Anthony Palmieri | 9:00 | Luca Pirolo | |
| | | | | | | 9:20 | Fabio Ciccarelli | |
| | | | | | | 9:40 | Nikola Kovacevic | |
| | 10:00 - 10:30 COFFEE BREAK | | | | | | | |
| | 10:30 | 11:30 | PLENARY TALK – MARTINE LABBE | | Matteo Pernini | 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 | Alessia Ciacco | |
| | | | | | | 11:50 | Carlo Maria Aloe | |
| | | | | | | 12:10 | Sara Stoia | |
| | 12:30 - 14:00 LUNCH BREAK | | | | | | | |
| | 14:00 | 14:30 | SPONSOR SESSION – Hexaly, Mosek | | Lorenzo Perinello | | | |
| | 14:30 | 15:30 | 13 | Decision Support Systems I | Serena Fugaro | 14:30 | Martina Luzzi | |
| | | | | | | 14:50 | Silvia Iuliano | |
| | | | | | | 15:10 | Serena Fugaro | |
| | 15:30 | 16:50 | 14 | Learning-based Optimization | Martina Doneda | 15:30 | Alessandro Minoli | |
| | | | | | | 15:50 | Angjelo Zojzi | |
| | | | | | | 16:10 | Chiara Faccio | |
| | | | | | | 16:30 | Virginia Marcelli | |
| | 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, WITH APERITIFS AND AFTER-DINNER DRINKS OFFERED BY DISTILLERIA BRUNELLO | | | | | | | |
| Friday, Feb. 13 | 8:30 | 9:00 | REGISTRATION | | | | | |
| | 9:00 | 10:00 | 15 | Energy and Environmental Applications II | Francesco Cavaliere | 9:00 | Gianluca Sabbatini | |
| | | | | | | 9:20 | Giovanni Micheli | |
| | | | | | | 9:40 | Silvia Anna Cordieri | |
| | 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 | 12:30 | 16 | Scheduling and Timetabling III | Gabriele Sanguin | 11:30 | Alex Fabian Barrales Araneda | |
| | | | | | | 11:50 | Lingyuan Shi | |
| | | | | | | 12:10 | Marco Dottor | |
| | 12:30 - 14:00 LUNCH BREAK | | | | | | | |
| | 14:00 | 14:40 | SPONSOR SESSION – FICO, CNR-IASI, CNR-IAC | | Matteo Pernini | | | |
| | 14:40 | 16:00 | 17 | Transportation and Logistics IV | Anthony Palmieri | 14:40 | Luca Dalla Costa | |
| | | | | | | 15:00 | Filippo Magi | |
| | | | | | | 15:20 | Yingzhi Wang | |
| | | | | | | 15:40 | Federico Michelotto | |
| | 16:00 - 16:30 COFFEE BREAK | | | | | | | |
| | 16:30 | 17:30 | 18 | Advances in Mathematical Programming II | Martina Galeazzo | 16:30 | Edoardo Cesaroni | |
| | | | | | | 16:50 | Matteo Zanella | |
| | | | | | | 17:10 | Mariagrazia Cairo | |
| | 17:30 - 18:00 CLOSING | | 10AYW organizing committee | | | | | |

Last update: February 05, 2026