ODS 2025

International Conference on
Optimization and Decision Science

Milano (Italy), September 1st-4th 2025

ODS 2025
Conference Program

Institutional Support

Con il patrocinio di

Regione Lombardia

UNIVERSITÀ DEGLI STUDI DI MILANO

PATROCINIO Comune di Milano

Monday, Sept. 1st

09:00 - 09:10

Main Room

UltraOptymal – Opening session - *Chair: Maggioni*

09:10 - 10:10

Room 3

UltraOptymal – Plenary session - *Chair: Maggioni*

Rei	Perspectives On Using Benders Decomposition To Solve Two-Stage Stochastic Mixed-Integer Programs

10:10 - 11:10

Room 3

UltraOptymal - Uncertain logistics problems with pickup points in urban areas - *Chair: Vocaturo*

Stoia	Utilizing Parcel Lockers And Crowdshipping With In-Store Shoppers For Dynamic Pickup And Delivery
Gobbi	A Stochastic Programming Approach For Combined Forward And Reverse Logistics In Hub-And-Spoke E-Commerce Networks
Vocaturo	The Waste Collection Routing Problem With Time-Varying Stochastic Demand

11:30 - 12:30

Room 3

UltraOptymal – Plenary session - *Chair: Maggioni*

Jabali	Inbound Truck Scheduling With Estimated Times Of Arrival

Monday, Sept. 1st, 13:50 - 14:20

Main Room

Opening session - *Chair: Righini*

14:20 - 15:40

Main Room

Combinatorial optimization 1 - *Chair: Toth*

Meiring	Evaluation Of The Effect Of Data Generation And Asymmetry In New Capacitated Vehicle Routing Test Instances
Visser	A Hybrid Genetic Search Algorithm With Advanced Diversity Control For The Multi-Vehicle Inventory Routing Problem With Time-Windows
Guastaroba	Enhancing Kernel Search With Pattern Recognition: The Single-Source Capacitated Facility Location Problem
Galli	On A Hierarchy Of Integer Quadratic Programming Polytopes

Room 1

Maritime transportation and port logistics - *Chair: Cervellera*

Xie	Analyzing Infrastructural Changes In Maritime Terminals: Insights From An Operation-Time-Space Network
Bashir	Optimizing Train Unloading Operations In A Maritime Container Terminal
Giulianetti	Simulation-Optimization Approaches For Enhancing Ports Operational Efficiency
Cervellera	Optimization Of Mobility Policies In Port-City Scenarios Through Simulation And Surrogate Models

Room 2

Traffic management - *Chair: Morandi*

Castelli	Strategic Route Pricing Model For Air Traffic Management For Co_2 Emissions And Congestion Reduction
Bertolini	Improving Social Cost In Mixed-Autonomy Road Traffic Networks With Evolutionary Stackelberg Routing
Buffoli	Smart Departures: A Novel Framework For Balancing Travel Inconvenience And Congestion Control
Morandi	Real-Time Rerouting Of Traffic Flows To Control The Risk Of Disruptions

Room 3

UltraOptymal - Decision-making under uncertainty in network design and routing problems - *Chair: Manerba*

Johansen	A Consensus Fixing Based Heuristic For Liner Shipping Network Design With Stochastic Demands
Beatrici	A Benders Decomposition Approach For A Green Bi-Objective Stochastic Fleet Size And Composition Vehicle Routing Problem
Spinelli	A Stochastic Electric Vehicle Routing Problem Under Uncertain Energy Consumption
Manerba	Multiple Recovery Options And Customer Availability Profiles To Face Synchronization Failures In Attended Home Delivery

Monday, Sept. 1st, 16:20 - 18:00

Main Room

Non-linear optimization - *Chair: Latorre*

Lapucci	A Globalization Strategy For Unconstrained Nonlinear Optimization Algorithms Based On Curvilinear Searches
Babaie-Kafaki	Sparse Approximations Of The Second-Order Information For Developing Memoryless Versions Of The Classic Optimization Algorithms
Miglionico	Integer Programming And Difference Of Convex (Dc) Optimization
Ardizzoni	Speed Planning By Minimizing Travel Time And Energy Consumption
Latorre	On Implicit Concave Structures In Half-Quadratic Methods For Signal Reconstruction

Room 1

Last-mile delivery and drones - *Chair: Cerrone*

Dragone	Carousel Greedy: From Drone Photogrammetry To Social Network Analysis, Passing Through Logistics Problems And Wireless Sensor Networks, A Systematic Survey And The First Open-Source Python Library
Bonomi	Green Two-Echelon Location-Routing For Sustainable Last-Mile Delivery: A Case Study Of A Portuguese Logistics Provider
Luu	Sustainable Delivery Modes In A Two-Echelon Last-Mile Delivery Setting
Adamo	Drone-Assisted Last-Mile Parcel Delivery In Time-Dependent Networks
Cerrone	Heuristic Approach For Last-Mile Logistics With Truck And Multiple Drone Delivery

Room 2

Multi-level programming - *Chair: Hosteins*

Schau	Solution Of A Bilevel Scheduling Problem On Parallel Machines
Caselli	Bilevel Optimization With Sustainability Perspective: A Survey On Applications
Lahav	Supply Chain Of Perishable Products: Analyzing The Effects Of Leadership On Pricing, Profits And Product Freshness
Mancini	A Bi-Level Stochastic Approach For On-Demand Warehousing
Hosteins	A Tri-Level Network Protection Problem With Weight Control

Room 3

UltraOptymal - Interfaces between solution methods for Optimization under Uncertainty and Artificial Intelligence - *Chair: Messina*

Seyedi	Wasserstein Distributionally Robust Optimization For Chance Constrained Facility Location Under Uncertain Demand
Maggioni	Optimization-Driven And Benders Refinement Chains For Efficient Bounds In Stochastic Programming
Carbonera	Ai Generative Models For Realistic Urban Mobility Scenario Generation
Messina	Neural Network Surrogates For Efficient And Generalizable Stochastic Programming Solutions

Tuesday, Sept. 2nd

08:00 - 09:20

Main Room

Combinatorial optimization 2 - *Chair: Della Croce*

Abdul-Rahman	A Hybrid Population-Based Local Search With Graph-Based Acceptance Criteria For Solving Quadratic Assignment Problem
Brambilla	Advancing Kernel Search For Multidimensional Multiple-Choice Knapsack Problems Via Resource Relaxation
Irnich	A New Relaxation For Tree-Based Problems And Its Application To The Capacitated Minimum Spanning Tree Problem
Della Croce	A New Combinatorial Algorithm For The Assignment Problem

Room 1

Scheduling 1 - *Chair: Agnetis*

Marinelli	Optimizing A Cutting Work Center: Multi-Criteria Approach To Pattern And Single Cut Sequencing
Pferschy	Fair Scheduling Of Jobs With Utilities Decreasing In Completion Time
Scatamacchia	Approximation Algorithms For The $Qm\|\|C_{Max}$ Problem Via Mathematical Programming Modeling
Agnetis	The Unreliable Job Selection And Sequencing Problem

Room 2

PRIN SMACROS + SMOTION 1 - *Chair: Guerriero*

Di Puglia Pugliese	On The Covering Tour Problem With Resource Consumption Limitation
Saccomanno	Route Optimization Using Gpu For Autonomous Agricultural Vehicles
Sammarra	A Heuristic Algorithm For The Resource Constrained Covering Tour Problem
Macrina	A Novel Framework For The Last-Mile Delivery Using Agvs And Public Lines

Room 3

Optimization under uncertainty 1 - *Chair: Vespucci*

Zhang	Surrogate Neural Networks For Multi-Horizon Stochastic Programs
Juan	Simheuristics For Optimization Problems Under Uncertainty Scenarios
Guastalla	Dynamic Approaches For A New Variant Of The Team Orienteering Problem
Vespucci	A Stochastic Programming Model For Anticipative Planning Of Integrated Electricity And Gas Systems With Bidirectional Energy Flows Under Fuel And Co2 Price Uncertainty

09:20 - 10:20

Main Room

Plenary session (M. Farge) - *Chair: Trubian*

Farge	How Can Researchers Regain Control Of Publication?

Tuesday, Sept. 2nd, 11:00 - 12:40

Main Room

Crowd-shipping - *Chair: Archetti C.*

Mansini	Public Transportation-Based Crowdshipping: Advancing The Transition From Theory To Practice
Faulin	A Hybrid Simulation-Optimization Approach To The Restaurant Food Delivery In Dublin (Ireland)
Sclafani	Dynamic Demand Acceptance And Allocation For Parcel Lockers Under Uncertain Pick-Up Times
Ranza	An Exact Column Generation Approach For The Public Transport-Based Crowdshipping Problem
Archetti C.	Pricing And Bundling Decisions Considering Drivers' Behavior In Crowdsourced Delivery

Room 1

OPTSM - Railway transportation - *Chair: Schlenkrich*

Yang	Short-Term Adjustment Of Train Unit Circulation And Platform Assignment: A Branch-And-Check Method
Rosati	Freight Rolling Stock Rescheduling By Stochastic Local Search
Fuchs	Coordinating Partially Periodic Railway Timetables Across Scenarios Using Logic-Based Benders Decomposition
Luteberget	Implication Learning For Disjunctive Formulations In Railway Scheduling
Schlenkrich	Railway Crew Rescheduling For Disruptions In Freight Transportation With Weekly Planning Horizon

Room 2

PRIN SUPERSONIC - *Chair: Bruglieri*

Moretti	A Survey On The Recharging Policies In The Electric Vehicle Routing Problem With Time Windows
Fadda	An Approximate Dynamic Programming Approach For The Electric Vehicle Routing Problem With Time Windows And Stochastic Travel And Recharging Times
Moreschini	A Matheuristic For The Electric Vehicle Routing Problem With Capacitated Public Recharging Stations
Pisacane	A Metaheuristic For The Electric Vehicle Routing Problem With Time Windows And Capacitated Recharging Stations
Bruglieri	A Matheuristic For The Electric Vehicle Routing Problem With Time Windows, Realistic Energy Consumption And Multiple Recharge Technologies

Room 3

Economy - *Chair: Cosmi*

Pan	Modeling And Solving The First Pan-European Guarantees Of Origin Market With Artelys Knitro
Praxedes	Cost Optimization In Cycling Networks: A Case Study In The City Of Parma, Italy
Alegoz	Closing The Loop And Shifting From Selling To Servitization: Economic And Environmental Effects
Kim	A Feasibility Study On The Construction Of Park And Concert Hall Through Cost-Benefit Analysis
Cosmi	Profitability And Sustainability In Complex Chemical Value Chains Under Product-Specific Carbon Footprint Constraints

Tuesday, Sept. 2nd, 14:20 - 15:40

Main Room

Communicating mathematics and O.R. (MaddMaths!) - *Chair: Raffaele*

Roberto Natalini (IAC-CNR)
Francesca Carfora (IAC-CNR)
Alberto Saracco (Univ. di Parma)
Alice Raffaele (Univ. di Padova)

Room 1

Scheduling 2 - *Chair: Pacifici*

Fuduli	Addressing Health Inequalities In Waiting Lists Through A Biobjective Single-Machine Scheduling Problem And Network Design
Castelletti	Milp Formulations For Single Batch-Processing With Non-Identical Jobs, Compatible Families, And Sequence-Dependent Setups
Freda	Scheduling Models For Resource-Constrained Pharmaceutical Production
Flamini	A Milp Approach To A Generalized Open Shop Maintenance Scheduling Problem In Industrial Production

Room 2

PRIN ACHILLES - *Chair: Sterle*

Sciacca	Sustainability Meets Strategy: A Model For Flexible Production Networks
Daniele	Mathematical Modeling Of Parcel Locker Networks In Urban Delivery Systems
Pizzari	On Tackling Logarithmic Charging Functions In The Electric Vehicle Problem
Boccia	A New Milp Formulation And A Matheuristic Approach For The Tsp With Release Dates And Drone Resupply

Room 3

Optimization under uncertainty 2 - *Chair: Maggioni*

Gallo L.	Data-Driven Multi-Energy Management With Price-Responsive Demand
Donnini	A Partition-Based Method For K-Adaptability In Two-Stage Stochastic Optimization
Brandimarte	Approximate Dynamic Programming Approaches For A Multiperiod Stochastic Vrp With Irregularly Clustered Customers
Kilaneh	The Vehicle Routing Problem With Stochastic Service Times

Tuesday, Sept. 2nd, 16:20 - 17:20

Main Room

Graph theory - *Chair: Mattia*

Ronco	Characterizing Path-Length Matrices Of Unrooted Binary Trees
Cerulli M.	A Branch-And-Price Algorithm For The Cluster Vertex Deletion Problem
Mattia	On The Complexity Of The Clique Interdiction Problem On K_3-Free Graphs

Room 1

Applied machine learning 1 - *Chair: Bonafè*

Bielskis	Advanced Machine Learning Techniques For Investment Forecasting: An Integrated Approach
Romito	Sample-Efficient Tuning Of Quantum Circuit Parameters Via Bayesian Optimization
Bonafè	Quantum Approaches For Drivers' Emotions Analysis In Clustering-Related Optimization Problems

Room 2

PRIN WOW - *Chair: Cerulli R.*

Ferone	A Grasp For The Q/1/D/V Problem In Automated Warehouses
Righini	Dynamic Programming For An Order Picking Problem With Deadlines
Sorgente	A Mixed-Integer Program And A Carousel Greedy Algorithm For The Scheduling Of Pick-Up And Delivery Operations In Automated Warehouses

Room 3

Multi-objective optimization - *Chair: Granata*

Cavaleiro	From Warehouse To Store: A Multi-Day Shipment Planning And Consolidation Based On Lexicographic Multi-Objective Optimization
Hocine	Multiple Criteria Decision Analysis Under Xorness
Granata	A Bi-Objective Approach To Penalized Reload Cost Path Problem

18:00

Cultural activities: Pinacoteca di Brera, Museo del Novecento, Museo Leonardo3, City Escape.

21:00

"Doppio Malto", viale Liguria 47

Informal dinner, with table games and AIRO sport competition (blitz chess)

Wednesday, Sept. 3rd

08:00 - 09:40

Main Room

Packing and cutting - *Chair: Monaci*

Santini	The 0–1 Knapsack Problem With Group Fairness
Locatelli	Mathematical Formulations For The Robust Bin Packing Problem With Fragile Objects
Keren	A Two-Stage Bin Packing Algorithm For Minimizing Machines And Operators
Arbib	Column Generation-Based Heuristic For Stochastic Bin Packing With One Defect Per Pattern
Boschetti	Column Generation Approaches For Cutting And Packing Problems

Room 1

Equilibria, variational models & applications 1 - *Chair: Raciti*

Oggioni	Renewable Energy Communities With Peer-To-Peer Exchanges: A Chance-Constraint Approach
Gnecco	Distributed Consensus Of Graph Vertices With Different Activation Schemes
Levy	Alternative Payment Strategies: Adapting To Change In The Mobile App Industry
Piazza	A Comparative Analysis Of Game Theory Solution Concepts For Feature Selection
Raciti	Optimizing Katz-Bonacich Centralities Arising From Nash Equilibria In Non-Cooperative Network Games

Room 2

Freight transportation and city logistics 1 - *Chair: Di Francesco*

Afandi	Optimizing Freight Distribution In A Retailer'S Network Through Sponsored Search Advertising
Dehghan Chenary	On Combining Conventional Point-To-Point And Automated Waste Collection Systems
Roshani	A Simulation-Optimization Approach For Multimodal Transportation By Incorporating Waiting Time As A Key Decision Variable
Melo	Designing A Resilient And Responsive Supply Chain Network Under Supplier And Facility Disruption Risks
Di Francesco	A Double ALNS Metaheuristic For A Service Network Design Problem In A 2-Tiered City Logistic System

Room 3

Routing and scheduling in health care systems - *Chair: Malaguti*

Pemberthy Ruiz	Comparison Of Exact And Matheuristic Approaches For Solving A Home Health Care Routing Problem
Dinc Yalcin	Modelling Of Home Healthcare Routing Problem With Mixed Fleet Under Carbon Emission And Waiting Time
Marais	An Agent-Based Approach To Simulating States Of Sentiment Spread Within A Depression-Centric Online Social Network
Zattoni	An Optimization Approach To The Weekly Scheduling Of Endoscopic Services: An Applied Case Study
Eusebi	Optimizing Surgical Case Assignment With An Ilp Model: Improving The Perioperative Patient Pathway

Wednesday, Sept. 3rd, 09:40 - 10:40

Main Room

Plenary session (G. Cevolani) - *Chair: Righini*

Cevolani	Beyond Optimization: Rethinking Operations Research As A Decision Science

11:20 - 12:20

Main Room

Math programming software (Hexaly) - *Chair: Ceselli*

Benoist	Hexaly, A New Kind Of Global Optimization Solver
Gallo F.	Football Teams Building Optimization

Room 1

Equilibria, variational models & applications 2 - *Chair: Passacantando*

Marcianò	Modeling Trust And Reputation In Digital Environments As A Variational Equilibrium Problem
Barbagallo	Spatial Price Equilibrium Networks With Flow-Dependent Arc Multipliers And Excesses
Passacantando	A Network Game Related To The Pagerank Centrality

Room 2

Air transportation and airspace applications - *Chair: De Giovanni*

Mencarelli	On The Lagrangian Relaxation For The Satellite Constellation Design Problem
Raffaele	The Flying Dial-A-Ride Problem for Urban Air Mobility
De Giovanni	Dynamic Airspace Configuration Under Uncertainty

Room 3

Health care 1 - *Chair: Tanfani*

Schaerf	The Integrated Healthcare Timetabling Competition (Ihtc-2024): Formulation, Rules, Results, And Solution By Local Search
Duma	Surgical Agenda Design Via Distributional Clustering And Stochastic Programming
Tanfani	Interday And Intraday Chemotherapy Appointment Scheduling

Wednesday, Sept. 3rd, 14:00 - 15:20

Main Room

Sportello Matematico per l'Innovazione e le Imprese (roundtable, in Italian) - *Chair: Fugaro, Pizzari*

Giorgia Chiriatti (Fater)
Stefano Resta (Fater)
Agostino Demaurizi (Energika)
Katia Passari (B.D.G. el.)

Room 1

Production and inventory optimization - *Chair: Ceschia*

Gschwind	Branch-Price-And-Cut For The Production Routing Problem With Time Windows And Customized Products
Bekdemir	Proposed Cooperative-Noncooperative Tactical Inventory Models For Ngos Under Uncertain Demand
Yakici	Hierarchical Facility Location And Inventory-Routing For Joint And Gradual Demand Coverage
Ceschia	Solving The Slab Selection And Relocation Problem In A Real Production Yard Using Simulated Annealing

Room 2

Freight transportation and city logistics 2 - *Chair: Dell'Olmo*

Bargetto	Capacity Planning And Supplier Selection Under Uncertain Contract Fulfillment
Lin J.	Strategic Design Of Distribution Systems With Consolidation Warehouse Considerations
Lanza	Continuous-Time Scheduled Service Network Design With Piecewise Linear Costs
Dell'Olmo	A Time Space Network Model For A Truck And Drones Delivery System With Battery Recharging And Variable Speeds

Room 3

Health care 2 - *Chair: Carello*

Lanzarone	A Decision Support System For Blood Component Production
Salvadori	A Cluster-Based Approach To Support Collaborative Decision Making In Elective Surgical Planning
Doneda	Elective Surgery Planning Considering Length-Of-Stay: Evaluating The Role Of Prediction Accuracy And Rescheduling Policies
Carello	A Disruption-Restoration-Based Approach For Surgical Scheduling In A Children'S Hospital

Wednesday, Sept. 3rd, 16:00 - 17:00

Main Room

Reviewing papers and responding to reviewers (roundtable) - *Chair: Cosmi*

Archetti C.
Jabali
Arbib
Schaerf

Room 1

Human and algorithmic decision-making - *Chair: Righini*

Meneghetti	Reasoning, Rewired: Human Mind And The Art Of Decision
Distratis	Chess And Business-Decision-Making
Manzo	Enhancing Stockfish: A Chess Engine Tailored For Training Human Players

Room 2

Logistics network design - *Chair: Delle Donne*

Pascoal	Coping With Geodiversification To Improve The Resilience Of Telecommunication Networks
D'Ambrosio	An Improved Exact Method For The Interval Immune Transportation Problem
Delle Donne	ILP Formulations For The Power Dominating Set Problem With Channel Limitation

Room 3

PRIN HEXAGON - *Chair: Gualandi*

Gusmeroli	Optimization On The Italian Power Grid: Voltage Regulation And Wind Curtailment
Coniglio	Bilevel Optimization Methods For Transformer-Rating Optimization
Bernardelli	Ac Optimal Power Flow Problem: A Study On Jabr Relaxation

17:00 - 19:00

Main Room

AIRO meeting

20:30

I Chiostri di San Barnaba, via San Barnaba 48

Social dinner

Thursday, Sept. 4th

08:00 - 09:40

Main Room

OPTSM - Public Transport Optimization I - *Chair: Yuan*

Lin Z.	Context-Independent Multiobjective Train Unit Scheduling Optimisation
Peirano	A Time-Dependent Model For The Modular Bus Assignment Problem
Barrales-Araneda	A Heuristic Algorithm For Timetabling And Vehicle Scheduling With Electric Buses
Carosi	Integrated Vehicle And Crew Scheduling Optimization In Maior
Yuan	Dynamic Bus Bridging Strategy In Response To Metro Disruptions Integrated With Routing, Timetabling And Vehicle Dispatching

Room 1

Clustering and classification - *Chair: Amaldi*

Manno	Investigating K-Nearest-Neighbors Binary Classification Conterfactual Analysis With Focus On A Medical Application
Consolo	Soft Decision Trees For Survival Analysis
Amaldi	Sparse Soft Classification Trees: Model Variants And Improved Decomposition Algorithm With Pruning
Amorosi	A Hierarchical Clustering Mathematical Programming Model And Matheuristic Algorithm
Sudoso	Exact And Heuristic Algorithms For Constrained Biclustering

Room 2

PRIN SMACROS + SMOTION 2 - *Chair: Carrabs*

Manni	Improving Sustainability In Last-Mile Logistics With A Combination Of Autonomous Delivery Robots And Parcel Lockers
Kharfati	The Traveling Salesman Problem With Time Windows And Non-Linear Energy Consumption
Giallombardo	3D Path Planning Of Unmanned Aerial Vehicles For Image Collection In Precision Agriculture
Murano	A Cluster-First Route-Second Approach For The Multiple Close-Enough Traveling Salesman Problem
Carrabs	A Milp Based Heuristic Approach For The Multiple Close-Enough Traveling Salesman Problem

Room 3

Location - *Chair: Fugaro*

Filippi	Solution Approaches For A Fair Multi-Source Capacitated Facility Location Problem
Manerba	Backup Covering Problems: a tailored Branch-and-Benders-Cut algorithm
Presutti	Bilevel Design And Pricing Of Ev Charging Stations With Deviation-Flow
Mancuso	An Exact Approach For The Multimode Set Covering Problem
Fugaro	Bi-objective Location of Temporary Logistics Hubs for Enhancing Post-Disaster Relief Operations

Thursday, Sept. 4th, 09:40 - 10:40

Main Room

Plenary session (J. Cohen) - *Chair: Cordone*

Cohen	From Insight To Influence: Advocacy As A Strategic Imperative For Operations Research

11:20 - 12:40

Main Room

AIROYoung Dissertation Award - *Chair: Cosmi*

Boggio	Optimisation And Interdiction Problems For Network Safety
Brilli	Derivative-Free Optimization: Worst-Case Complexity For Line-Search Methods And A Mixed Penalty-Barrier Approach
Croci	Advanced Optimization Algorithms For Last-Mile Logistics
Patria	Multiobjective Integer And Mixed-Integer Non-Linear

Room 1

Applied machine learning 2 - *Chair: Taccini*

Belloni	Enhance Human: The Role Of Applied Artificial Intelligence In Process Prediction And Optimization
Scarponi	Machine Learning Surrogates For Optimal Membrane System Design
Shabani Jirdehi	Improving Retail Demand Forecasting To Support Inventory Optimization: A Transfer Learning Approach
Taccini	Combining Learning And Heuristics For Pallet Prediction In Ceramics Distribution

Room 2

OPTSM - DISPLIB competition - *Chair: Sartor*

Varbanov	An Efficient Milp-Based Approach To Train Dispatching With Iterative Resource Conflict Resolution
Staerk	A Parameterized Algorithm For Real-Time Train Dispatching
Dubach	Hybrid Optimization For The Displib Competition: Logic-Based Benders And Mixed-Integer Programming For Railway Dispatching
Sartor	Displib 2025 Competition Award Ceremony

Room 3

Vehicle routing - *Chair: Fischetti*

Çolakoğlu	A Multi-Picker Routing Problem With Scattered Storage Under Precedence And Stock Constraints
Zanda	Exact And Heuristic Algorithms For Multi-Compartment Multi-Trip Multi-Product Petrol Replenishment Problems With Time Windows
Fischetti	A Benders Decomposition Approach To The Time Window Assignment Traveling Salesperson Problem With Stochastic Travel Times

Thursday, Sept. 4th, 14:20 - 16:00

Main Room

OPTSM - Public transport optimization 2 - *Chair: Cacchiani*

Gao	Dynamic Seat Control For Parallel High-Speed Trains With Passenger Choice
Yin	A Hybrid Heuristic Framework For The Railway Integrated Scheduling Problem
Pascariu	A Grasp-Based Approach To The Real-Time Train Routing Selection Problem
Chai	Optimizing Metro Timetabling And Capacity Decision Considering Feeder Trains
Cacchiani	Train Timetable Adjustment With Extra Train Services And Connection Requirements: A Branch-And-Repair Method

Room 1

Optimization and learning - *Chair: Salani*

Pucci	Backtracks-Free Stochastic Line-Searches Via Hyperparameter Transfer
Patria	Pareto Forests: Multi-Objective Optimization Models For Interpretable Machine Learning
Basso	Data-Driven Exploration Of Labeling In Elementary Resource Constrained Shortest Path Problems
Archetti F.	Bayesian Optimization Via Wasserstein Barycenter Of Gaussian Processes
Manca	Difference Of Convex Programming In Adversarial Svm

Room 2

Scheduling 3 - *Chair: Nicosia*

Belotti	Mixed Integer Linear Optimization Models For Cricket Farming
Druetto	Solution Approaches For The Coupled Task Scheduling Problem
Tomasetti	A Comprehensive Hybrid Flow Shop Approach For Steelmaking And Ingot Casting
Bettiol	Vehicle Production Planning With Artelys' Integrated Scheduler Service
Gaggero	A Mutation-Enhanced Discrete Particle Swarm Optimization Algorithm With Constraint Penalization For Scheduling Sowings In Space Cultivation With An Adaptive Vertical Farm

Room 3

Energy systems - *Chair: Vespucci*

Gherardi	A Bilevel Revenue Adequate Generation Expansion Problem With Hybrid Complementarity Conditions
Micheli	Equilibrium Models To Analyse The Impact Of Different Coordination Schemes Between Transmission System Operator And Distribution System Operators On Market Power In Sequentially-Cleared Energy And Ancillary Services Markets Under Load And Renewable Generation Uncertainty
Sabbatini	A Comparative Study Of Local Electricity Market Design And Coordination With The Wholesale Electricity Market
Saltet	Optimizing Cross-Border Balancing: Artelys' Optimization Engine For The European Manual Frequency Restoration Reserve Platform
Devine	Investment Decisions For Perfect And Imperfect Competition In Ireland'S Electricity Market

16:00 - 16:30

Main Room

Closing session - *Chair: Righini*