



4th AIROYoung Workshop

New Advances in Optimization, Machine Learning and Data Science

Free University of Bozen-Bolzano

Room BZ D1.02

WED 5 FEBRUARY 2020

12.30 – 14.00	REGISTRATION	
14.00 – 14.30	OPENING SESSION	
14.30 – 16.00	SESSION “Challenges in Maritime Applications”	
	14.30 – 15.00	<u>David Franz Koza</u> “Disruptions in large container shipping networks: How Operations Research can help to get container vessels back on schedule and minimize impact on cargo”
	15.00 – 15.30	<u>Jia Beizhen</u> “Optimal Dual Cycling Operations in Short-Sea RoRo Terminals”
	15.30 – 16.00	<u>David Sacramento Lechado</u> “Constraint Programming and Local Search Heuristic: A Matheuristic Approach for solving the Port Scheduling Problem”
16.00 – 18.00	BOZEN GUIDED TOUR	

THU 6 FEBRUARY 2020

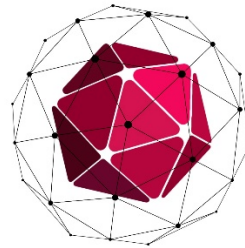
8.30 – 10.30	SESSION “Challenges in Public Transportation and Graph Coloring”	
	8.30 – 9.00	<u>Emine Akyol Ozer</u> “A Mathematical Model and A Genetic Algorithm based Matheuristic Algorithm for Train Platforming Problem”
	9.00 – 9.30	<u>Nathalie Friess</u> “Full Decarbonisation of an Urban Public Transport Bus System”
	9.30 – 10.00	<u>Marta Leonina Tessitore</u> “Combining Simulation and Optimization for Traffic Disturbance Recovery in a Busy Metro System”

	10.00 – 10.30	<u>Luca Ferrarini</u> “Petersen and Sylvester colorings of cubic graphs”
10.30 – 11.00	COFFEE BREAK	
11.00 – 12.00	SESSION “Challenges in Energy Applications”	
	11.00 – 11.30	<u>Davide Cazzaro</u> “Heuristic Algorithms for the Wind Farm Cable Routing Problem”
	11.30 – 12.00	<u>Giovanni Micheli</u> “A two-stage stochastic MILP model for Generation and Transmission Expansion Planning with High Shares of Renewables”
12.00 – 13.00	PLENARY 1 “Routing Problems in Last-Mile Delivery Services” Claudia Archetti	
13.00 – 13.10	SPONSOR PITCH OPTIT	
13.10 – 14.30	LUNCH	
14.30 – 15.00	SPECIAL SESSION “Building bridges between Operations Research and Data Science” Tullia Padellini	
15.00 – 17.00	SESSION “Optimization meets Data Science”	
	15.00 – 15.30	<u>Davide Cacciarelli</u> “Machine Learning algorithms for predicting donor responses to direct marketing campaigns”
	15.30 – 16.00	<u>Alberto Santini</u> “Exact, Heuristic and Machine Learning Approaches to The Probabilistic Travelling Salesman Problem with Crowdsourcing”
	16.00 – 16.30	<u>Diego Maria Pinto</u> “REMIND – Reverse Manufacturing Innovation Decision Systems”
	16.30 – 17.00	<u>Marco Boresta</u> “Filtering with a Gaussian kernel for the gradient estimation of a noisy function”
17.00 – 18.00	AIROYoung ANNUAL MEETING + COFFEE BREAK	
19.00 - Late	SOCIAL DINNER	

FRI 7 FEBRUARY 2020		
8.30 – 10.30	SESSION “Challenges in Last-mile Delivery and Transshipment problems”	
	8.30 – 9.00	<u>Giusy Macrina</u> “Crowd-shipping with time windows and transshipment nodes”
	9.00 – 9.30	<u>Matteo Cosmi</u> “Food Delivery and Last-Mile Optimization: Improving the QoS allowing bundles”
	9.30 – 10.00	<u>Katarzyna Gdowska</u> “A simulation model for last-mile delivery with crowdshipping”
	10.00 – 10.30	<u>Riccardo Giusti</u> “Progressive Hedging Heuristics for the Transshipment Location-Allocation Problem in Synchromodal Logistics”
10.30 – 11.00	COFFEE BREAK	
11.00 – 12.00	SESSION “Challenges in Routing”	

	11.00 – 11.30	<u>Annarita De Maio</u> “A Variable Neighborhood Search for the Multi-Attribute Inventory Routing Problem”
	11.30 – 12.00	<u>Valerio Dose</u> “The price of anarchy as a function of the demand: how the amount of traffic affects the efficiency of selfish routing”
12.00 – 13.00	PLENARY 2 “Optimization Problems in Airport Baggage Handling” David Pisinger	
13.00 – 14.30	LUNCH	
14.30 – 15.30	HIGHLIGHT SESSION: Pitch talks for 1st year PhD students	
15.30 – 16.00	COFFEE BREAK	
16.00 – 17.30	SESSION “Challenges in Production Management and Social Learning”	
	16.00 – 16.30	<u>Julia Resch</u> “Optimally rescheduling jobs under a Last-In-First-Out constraint”
	16.30 – 17.00	<u>Anne-Laurence Thoux</u> “An Iterative Approach for the Mobile Workforce Tactical Scheduling Problem with Frequency Constraints”
	17.00 – 17.30	<u>Stefano Vaccari</u> “Social Learning with Product Choice”
17.30 – 18.00	CLOSING SESSION	

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ACCOMODATION

Since Bozen-Bolzano is a popular travel destination, you are spoilt for choice. You can find 5 star hotels, guest houses, youth hostels, B&B's and holiday apartments. There is a wide range of accommodation to choose from.

The following hotels are near the Free University of Bozen-Bolzano:

Stadthotel – Hotel Città ***

Waltherplatz 21 Piazza Walther
I-39100 Bozen Bolzano
Tel. +39 0471 975221
Fax +39 0471 976688
E-Mail info@hotelcitta.info
www.hotelcitta.info

Hotel Feichter **

Weintraubengasse 15 Via Grappoli
I-39100 Bozen Bolzano
Tel. +39 0471 978768
Fax +39 0471 974803
E-Mail info@hotelfeichter.it
www.hotelfeichter.it

Hotel Scala Stiegl ****

Brennerstraße 11 Via Brennero
I-39100 Bozen Bolzano
Tel. +39 0471 976222
Fax +39 0471 981141
E-Mail info@scalahot.com
www.scalahot.com

Parkhotel Laurin ****

Laurinstraße 4 via Laurino
I-39100 Bozen Bolzano
Tel. +39 0471 311000
Fax +39 0471 311148
E-Mail info@laurin.it
www.laurin.it

Hotel Figl ***

Kornplatz 9 Piazza del grano
I-39100 Bozen Bolzano
Tel. +39 0471 978412
Fax +39 0471 978413
E-Mail info@figl.net
www.figl.net

Here you will find some useful links for room booking:

[Tourist office Bozen-Bolzano](#)
[Booking Bolzano](#)
[Booking South Tyrol](#)
[Home to Go Bolzano](#)
[Airbnb Bolzano](#)

Parkhotel Luna Mondschein ****

Piavestraße 15 via Piave
I-39100 Bozen Bolzano
Tel. +39 0471 975642
Fax +39 0471 975577
E-Mail info@hotel-luna.it
www.hotel-luna.it

Hotel Greif ****

Waltherplatz – piazza Walther
I-39100 Bozen Bolzano
Tel. +39 0471 318000
Fax +39 0471 318148
E-Mail info@greif.it
www.greif.it

We recommend to book your accommodation as early as possible.

Further information: Please contact the tourist board for any further information: +39 0471 307000 or send an email to info@bolzano-bozen.it

TRAVEL INFORMATION

The conference will take place in the city center, that is car-free. If you cannot avoid flying to attend the conference, you could consider to [compensate the CO2 equivalent](#).

Here you can find useful information for reaching the conference venue.

BY TRAIN

Direct trains to Bolzano (IC and EC): **Trenitalia**, **ÖBB** and **DB**

The train station of Bolzano lies in the center of the city, a 10 -minutes' walk by foot to unibz. Bozen-Bolzano can be easily reached using the [Italian](#) and [Austrian](#) railways. Travelling time by train from:

- Rome – Bolzano: 6 hours
- Milan – Bolzano: 3.5 hours
- Verona – Bolzano: 1.5 hours
- Venice – Bolzano: 3 hours
- Innsbruck (A) – Bolzano: 2 hours
- Munich (DE) – Bolzano: 4 hours

