



POLITECNICO
MILANO 1863

G7 TRANSPORT ACADEMIC WORKSHOP

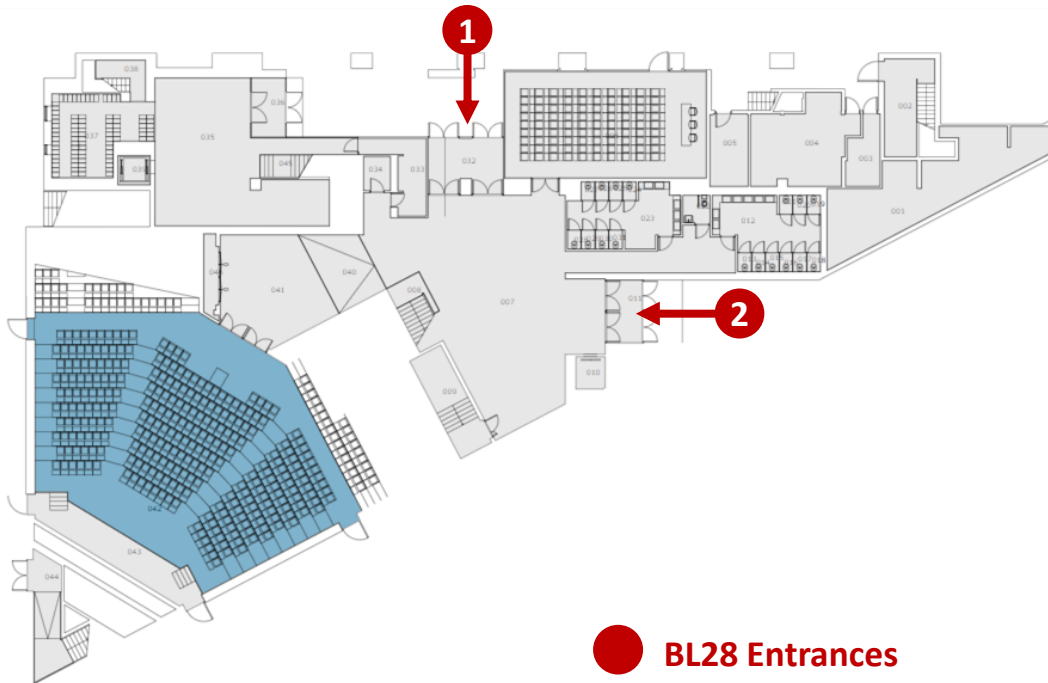
"Planning for Resilient Transport Systems"

Wednesday, 10th April 2024
h. 9:00 - 18:00 pm

Aula Magna "Carassa e Dadda"
Politecnico di Milano, Bovisa Campus
Milan (Italy)

VENUE: AULA MAGNA «CARASSA DADDA»

Building BL28 – Ground Floor



Address: Via Lambruschini, 4 – 20156 – Milano

Capacity: 420 seats

HOW TO REACH THE VENUE

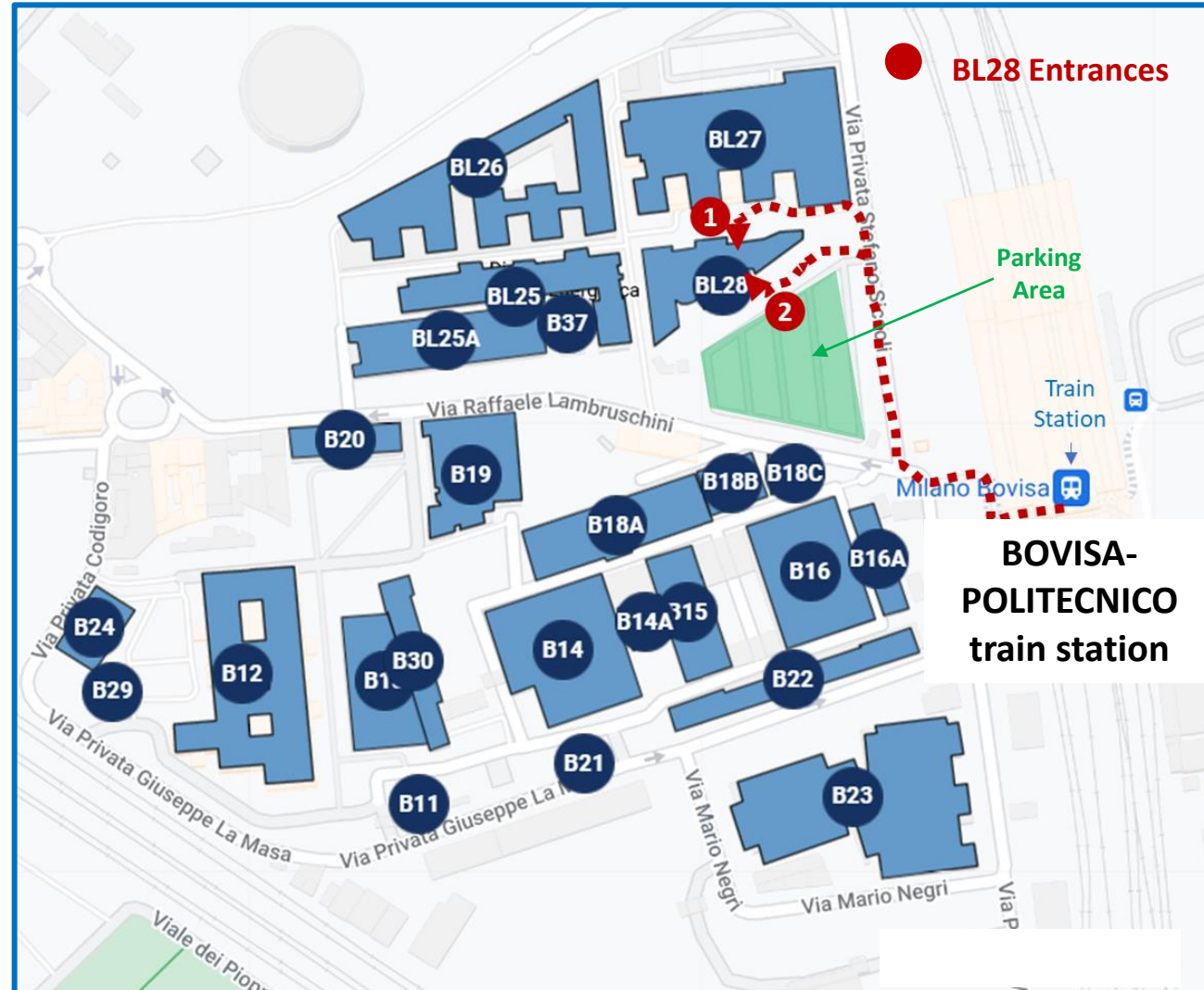
From Milano Cadorna and Central Station

- Direct train connections to the **BOVISA-POLITECNICO Fnm station**. Exiting the station, turn right and down the steps you will see Building BL28 (see the map)

From Malpensa (MXP) and Linate (LIN) airport

- MXP airport is connected to the Bovisa-Politecnico station through the **Malpensa Express** train – travel time approx. 30 minutes.
- LIN airport is connected to the Campus via **metro and regional rail lines** (one interchange in DATEO station) – travel time approx. 45 min

In front of Building 28, there is a large parking area available for car and bicycles



WORKSHOP SCHEDULE

4 Sessions

(including speakers from Academia and industries/firms)

Time	Activites
9:00 – 9:30	Welcome & Registration
9:30 – 11:00	Session 1: Introduction (academic speakers, see details in the next slides)
11:00 – 11:30	Coffee break and networking
11:30 – 13:00	Session 2: “Design Principles and Measures for network resilience” (academic speakers, see details in the next slides)
13:00 – 14:30	Lunch
14:30 – 16:00	Session 3: “Decision-Making and Trade-Offs” (academic speakers, see details in the next slides)
16:00 – 16:30	Coffee break and networking
16:30 – 18:00	Session 4: “Policies and Practices for Mitigation and Adaptation” (speakers from industries and companies, see details in the next slides)

SESSION 1: SCHEDULE

9:30 – 11:00
(CEST) Session 1: Introduction

Welcome and Institutional greetings

- **Donatella Sciuto**, *Politecnico di Milano - Rector*
- **Giovanni Donato**, *Ministry of Infrastructure and Transport – Diplomatic Advisor*

Keynote speeches

- **Olaf Merk**, *ITF - International Transport Forum*. “*Transport System Resilience: challenges, metrics and policies*”
- **Arrigo Giana**, *Azienda Trasporti Milanesi (ATM)*. “*Resilience: a natural strength of Public Transport*”

*The session will be moderated by **Pierluigi Coppola**, Politecnico di Milano*

** (presenting remotely)

SESSION 2: SCHEDULE

11:30 – 13:00 (CEST) Session 2: Design Principles and Measures for network resilience

Chair *Olaf Merk, ITF - International Transport Forum*

Panellists

Ludovic Leclercq, LICIT-Eco7 laboratory; Université Gustave Eiffel, France. “Modeling Approaches for Resilient Transport Networks”

*George Yannis **, National Technical University of Athens, Greece. “The role of digitalization for preventive resilience strategies”*

*Albert Wahba**, National Research Council of Canada. “Building Transportation for Tomorrow: Enhancing Resiliency via Adaption of Emerging Technologies”*

Michele Ottomanelli, MOST – National Center for Sustainable Mobility, Italy. “Transport Systems Resilience: Research Activities in MOST”

Gernot Liedtke, German Aerospace Center; Technical University of Berlin, Germany. “Resilience, robustness and redundancy – Principles for developing”

*Constantinos Antoniou **, Technical University of Munich, Germany. “Improving urban resilience - A conceptual framework, AI advances and opportunistic data”*

** (presenting remotely)

SESSION 3: SCHEDULE

14:30 – 16:00 (CEST) Session 3: Decision-Making and Trade-Offs

Chair Pierluigi Coppola, DMEC - Politecnico di Milano

Panellists **Charlene Rohr ****, Mott MacDonald, UK. *“Transport decision making (and modelling) in an uncertain future”*

Robert Lempert **, Rand Corporation, USA. *“Transportation Planning for Uncertain Times: a practical Guide to Decision Making Under Deep Uncertainty for Transportation Agencies”*

Kay Mitusch**, Karlsruhe Institute of Technology, Germany. *“Decision-Making Trade-Offs for Resilient Transport Systems”*

Thierry Warin, HEC Montreal, Canada. *“Navigating Uncertainty: Leveraging AI for Predictive Modeling in Multimodal Transportation and Economic Flows”*

Moshe Ben-Akiva**, Massachusetts Institute of Technology, MA-USA. *“Behavioral models and microsimulation for passenger and freight resiliency analyses”*

** (presenting remotely)

SESSION 4: SCHEDULE

16:30 – 18:00 (CEST) Session 4: Policies and Practices for Mitigation and Adaptation

- Chair** Gianmarco Montanari, MOST – National Center for Sustainable Mobility
- Panellists**
- Mario Tartaglia**, *Ferrovie dello Stato Italiane (FSI), Italy. “A pathway to resilience: the FS Group approach”*
 - Soichiro Minami**, *Policy Research Institute for Land Infrastructure Transport and Tourism, Japan. “Reconstruction experience of rail infrastructure from Great East Japan Earthquake 2011”*
 - Flavia Scisciò**, *Autostrade per l'Italia (ASPI), Italy. “Policies and practices for mitigation and adaptation: the motorway concessionaire industry perspective”*
 - Dario Ferrillo**, *Almaviva, Italy. “From infrastructure monitoring to Resilience of Transportation networks”*
 - Paolo Cerioli**, *Fincantieri, Italy. “Enabling a maritime transport ecosystem to face global challenges”*
 - Francesco Buresti**, *A2A, Italy. “E-mobility is coming: Will electrical networks be ready?”*

