



POLITECNICO  
MILANO 1863

## ***G7 TRANSPORT ACADEMIC WORKSHOP***

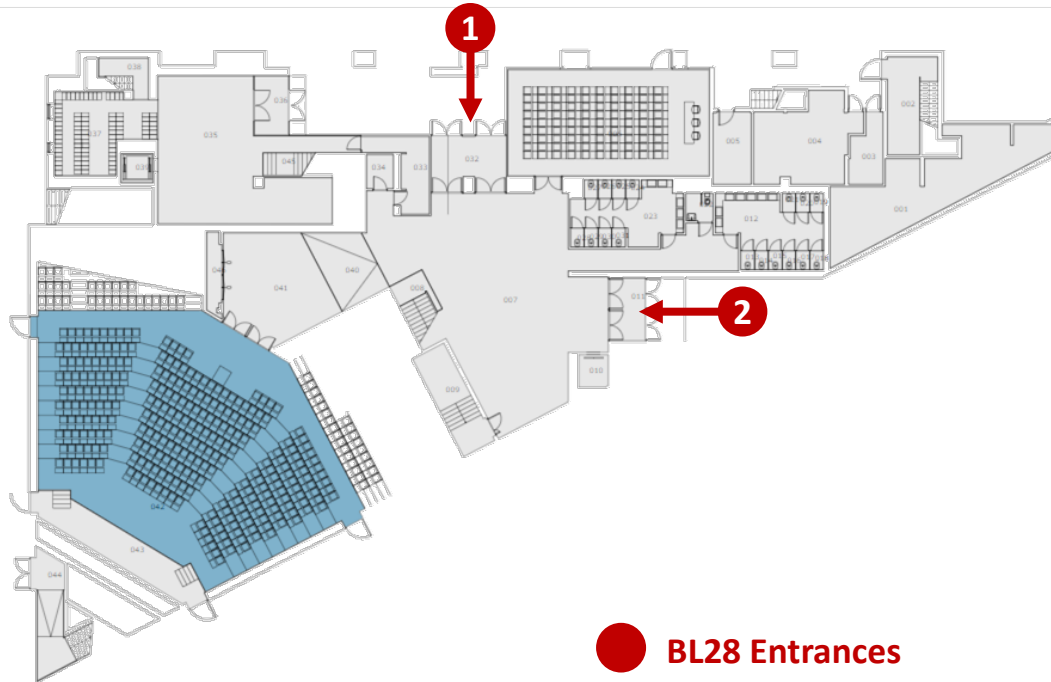
"Planning for Resilient Transport Systems"

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

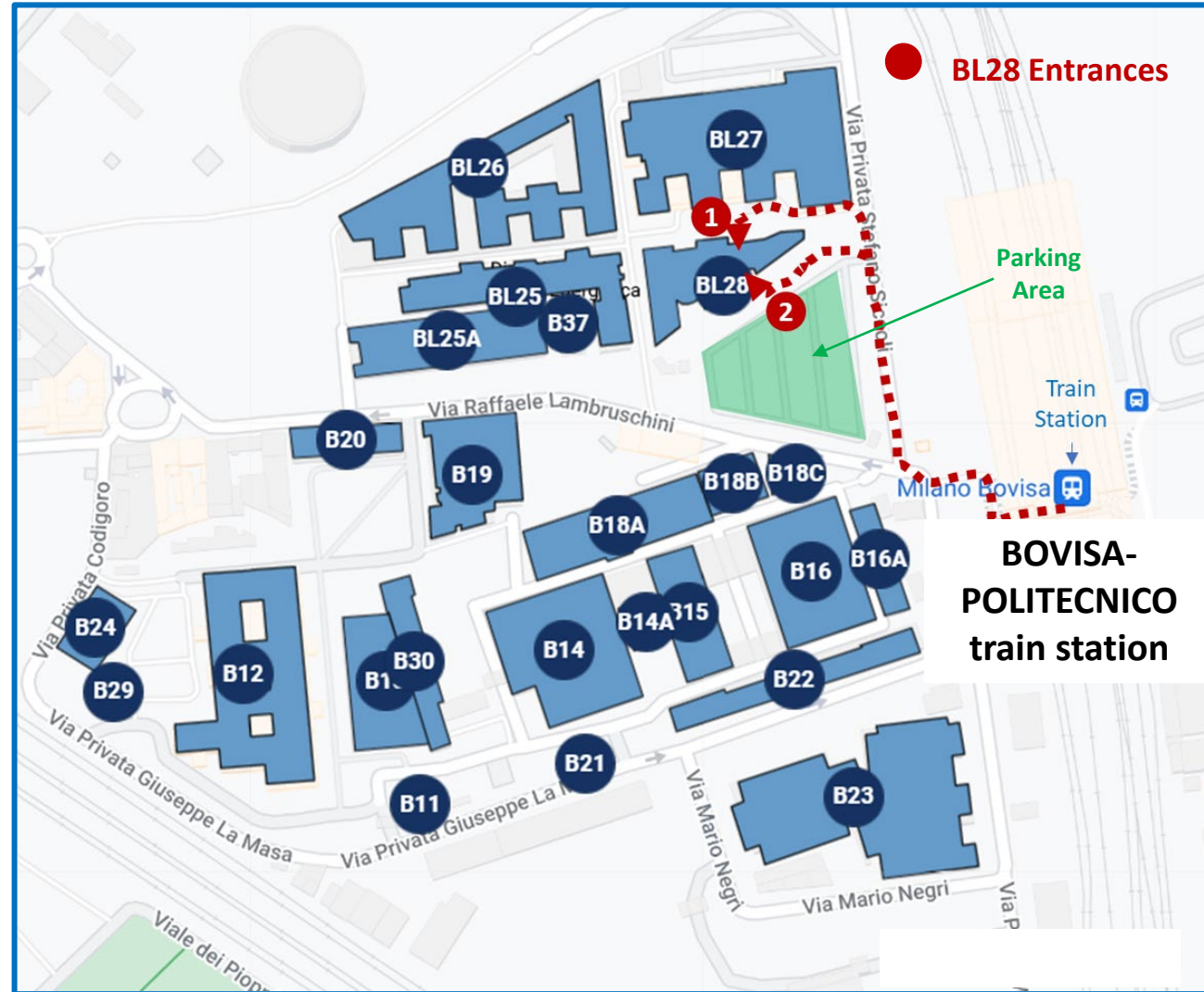
## From Milano Cadorna and Central Station

- Direct train connections to the **BOVISA-POLITECNICO** FNM station. Exiting the station, turn right and do 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 BL28, 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	<b>Welcome &amp; Registration</b>
9:30 – 11:00	<b>Session 1: Introduction</b> (academic speakers, see details in the next slides)
11:00 – 11:30	Coffee break and networking
11:30 – 13:00	<b>Session 2: “Design Principles and Measures for network resilience”</b> (academic speakers, see details in the next slides)
13:00 – 14:30	Lunch
14:30 – 16:00	<b>Session 3: “Decision-Making and Trade-Offs”</b> (academic speakers, see details in the next slides)
16:00 – 16:30	Coffee break and networking
16:30 – 18:00	<b>Session 4: “Policies and Practices for Mitigation and Adaptation”</b> (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 Milano - Rector*
- **Giovanni Donato**, *Ministry of Infrastructure and Transport of Italy– 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 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?”



