



Politecnico
di Bari



XXI
S.I.I.V.
Summer
School

XXI International S.I.I.V. Summer School

Transportation Infrastructures: pointing to the future

Polytechnic University of Bari

September 15-19, 2025



Under the auspices of:



CITTÀ METROPOLITANA DI BARI



■ S.I.I.V. (<https://www.siiiv.it>)

The “Società Italiana di Infrastrutture Viarie” (S.I.I.V.), founded in 1990, represents the academic world of the scientific disciplinary sector “**Roads, railways and airports.**” Its statutory purpose is to promote and facilitate the dissemination of culture and scientific knowledge in the field of transport infrastructures. The S.I.I.V. works with Universities (29 Italian universities associated) and bodies operating in the mobility sector.

■ THE SUMMER SCHOOL

Every year S.I.I.V. organizes a Summer School for young researchers and Ph.D. Students belonging to Italian universities aiming at providing insightful updates on the scientific, technical and technological novelties in the transportation infrastructure sector. This year, the **Polytechnic University of Bari** in collaboration with the **University of Salento** is pleased to organize the **XXI S.I.I.V. Summer School (15-19 September 2025)**.

For this event, international and national keynote speakers will talk about the cutting-edge topics in the field of transportation infrastructures.

More than 10 lectures are scheduled. Each lecture will last 60'+15' Q&A



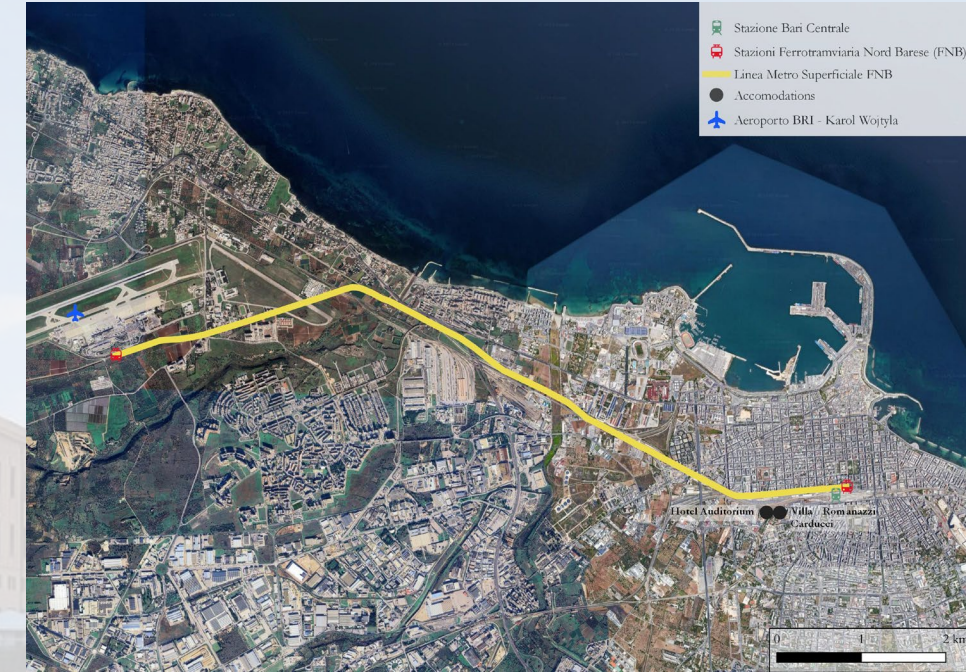
■ VENUES AND ACCOMMODATIONS

The XXI International S.I.I.V. Summer School will host students and speakers in two accommodations:

- **Hotel Auditorium Bari** (Via Vittoriano Cimmarrusti, 12, 70124 Bari)
- **Villa Romanazzi Carducci** (Via Giuseppe Capruzzi, 326, 70124 Bari)

Lectures will be held in the **Sala D’Annunzio** at Villa Romanazzi Carducci

One session will be also held at the **Polytechnic University of Bari** and another one at the **University of Salento (Lecce)**



■ SCIENTIFIC ORGANIZING COMMITTEE



Prof. Eng. Vittorio Ranieri



Politecnico
di Bari

Scientific Director



Prof. Eng. Nicola Berloco



Politecnico
di Bari



Dr. Eng. Paolo Intini



UNIVERSITÀ
DEL SALENTO

DIPARTIMENTO
DI INGEGNERIA
DELL'INNOVAZIONE



Dr. Eng. Stefano Coropulis



Politecnico
di Bari



Eng. Nicola Introcaso



Politecnico
di Bari



PROGRAM

Monday, September 15th

Summer School Introduction

at Villa Romanazzi Carducci, Bari

14:00 – 15:00 Welcome and registration

15:00 – 15:30 Summer School Introduction

Prof. Gianluca Dell’Acqua (S.I.I.V. President),
Prof. Vittorio Ranieri (Scientific Director of the
Summer School)

15:30 – 18:30 Sponsors’ technical workshops

«Technical and technological advances in
transportation infrastructures»

20:30 Dinner

Tuesday, September 16th

Lectern Session: Road Regulations

at Villa Romanazzi Carducci, Bari

08:45 – 09:00 Institutional greetings

09:00 – 10:15 Prof. Giuseppe Cantisani

(Sapienza, Università di Roma)

«From Theory to Reality: Predictive Road Safety
with Big Data»

10:15 – 11:30 Prof. Alfonso Montella

(Università di Napoli Federico II)

«Road safety standards update»

11:30 – 12:00 Coffee Break

12:00 – 13:15 Prof. Andrea Bosco

(Università di Bari “Aldo Moro”)

«Risk and Safety Behind the Wheel: The Role of
Distal and Proximal Psychological Factors in
Driving Style»

13:15 – 14:45 Light Lunch

14:45 – 16:00 Dr. Biagio Ciuffo

(European Commission, Joint Research Center)

«The evolving regulatory framework for the
introduction of automated driving systems in
the European market»

20:30 Dinner

Wednesday, September 17th

Lectern Session: Road Perspectives

at University of Salento, Lecce

07:45 Transfer to the University of Salento

9:45 – 10:00 Institutional greetings

10:00 – 11:15 Prof. Salvatore Antonio

Biancardo (Università di Napoli Federico II)

«Infrastructure Building Information
Management (I-BIM)»

11:15 – 11:45 Coffee Break

11:45 – 13:00 Dr. Paolo Intini

(Università del Salento)

«Advances in road safety research and
applications»

13:30 – 15:00 Lunch

15:30 – 16:30 SIIV-Futura Meeting

16:30 – 19:00 Free tour in Lecce

19:00 Transfer to Bari



PROGRAM

Thursday, September 18th:

Lectern Session: Airports

at Villa Romanazzi Carducci

08:30 – 09:45 Prof. Paola Di Mascio

(Sapienza, Università di Roma)

«Safety issues in surrounding airport areas»

09:45 – 11:00 Prof. John Joseph Sansalone

(University of Florida, Gainesville)

«Next-generation airfield water management and treatment through coupling physical and CFD-ML models»

11:00 – 11:30 Coffee Break

11:30 – 12:30 Eng. Giovanni Di Antonio

(ENAC – Italian Civil Aviation Authority)

«The evolution of airports into co-located horizontal spaceports»

12:30 – 13:30 Eng. Donato D’Auria

(Aeroporti di Puglia)

«The case study of Grottaglie M. Arlotta: the space port facilities integration into airport environment»

13:30-15:00 Light Lunch

Lectern Session: Railways

15:00 – 16:15 Prof. Giuseppe Loprencipe

(Sapienza, Università di Roma)

«Design standards and digital modelling for railway track alignments»

16:15 – 17:30 Prof. Alessandro Di Graziano

(Università di Catania)

«Risk-Based Safety Management for Local Railway Systems»

20:30 Dinner

Friday, September 19th:

Technical Session: Road test

at Polytechnic University of Bari, Bari

09:30 – 12:30 Visit at the MOST/Polytechnic

University of Bari Laboratories

Research activities: **Dr. Margherita Pazzini** (Alma Mater Studiorum, Università di Bologna), **Dr. Stefano Coropulis** (Politecnico di Bari).

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