

PROGRAMME

Railway Forum Napoli

Slab Track

6-7 November, Napoli, Italy

2nd International Scientific and Technical Conference Modern Technologies in Planning, Construction, and Maintenance of Slab Track Systems – 2025

UEEIV and CIFI are delighted to welcome you to an exciting international conference in Naples, Italy.

The **Union of European Railway Engineer Associations (UEEIV)** represents railway engineers and suppliers across Europe, while the **Italian Association of Railway Engineers (CIFI)** serves as the national professional body for railway engineers in Italy. Both organizations share a long-standing commitment to advancing railway engineering through conferences, seminars, and technical discussions.

This event marks the **first joint collaboration between UEEIV and CIFI**, uniting expertise to promote best practices, address shared challenges, and explore innovations in **slab track systems for high-speed railways**.

Entitled the “**Slab Track Forum**,” the seminar aligns closely with Europe’s ongoing and future strategies to expand high-speed rail networks and modernize urban public transport.

Hosted in the vibrant city of **Naples**—renowned for its rich history, dynamic culture, and central role in Italy’s railway development—the conference offers a valuable opportunity to engage with leading experts, exchange insights, and discover the latest approaches to the design, construction, and maintenance of slab track systems.

The programme features **keynote speeches**, **technical sessions**, and **interactive presentations** led by distinguished professionals, as well as an **exhibition** showcasing cutting-edge technologies and innovations. Participants will also enjoy ample networking opportunities during coffee breaks, lunch, and the evening networking dinner.

On **Saturday**, an optional **excursion** will offer participants the chance to visit the **Metro Napoli art stations** and explore some of the city’s most iconic sights.

We look forward to an inspiring and productive event—an international platform dedicated to advancing slab track technology and fostering collaboration across the global railway industry.

Scientific & Programme Committee

Dr. Ing. Valerio Giovine, General Secretary of CIFI

Dr. Ing. Franco Iacobini, Track Engineer Emeritus, RFI

Dr. Ing. Marco Broglia, Vice President, Union of European Railway Engineer Associations

Jacek Paś, PhD Eng, Chairman of the Committee, President of SITK Poland

Dipl.-Ing. Dr. techn. Bernhard Knoll, Vice President, UEEIV

Ass. Prof. Dr. Eng. Mario Galabov, Vice President, UEEIV

Dipl. Ing. Sebastian Belz, Secretary General, European Platform of Transport Scientists

Branislav Boskovic, PhD, Prof. at the Faculty of Transport & Traffic Engineering, University of Belgrade

Organising Committee

Dipl.-Ing. Olaf Scholtz-Knobloch, President of the UEEIV

Mag. (FH) Charlotte Gebhart, UEEIV Communications & Event Management

Dr. Ing. Marco Broglia, Vice President of the UEEIV

Dr. Ing. Valerio Giovine, General Secretary of CIFI

Veronica La Manna, CIFI Event Management

Dr. Ing. Modestino Ferraro, President of CIFI Naples section

Exhibitors & Sponsors



Programme

Wednesday, 5 November (General Assembly – internal meetings)

Venue: Holiday Inn Naples

13:30 – 15:00 Presidium Meeting

15:00 – 15:30 Coffee Break for participants of the General Assembly

15:30 – 17:30 General Assembly including elections of Presidium members and change of statutes

Main Conference

Thursday, 6 November

Venue: Pietrarsa Railway Museum

09:00 - 09:45 Registration

09:45 – 10:00 OPENING CEREMONY

Dipl.-Ing. Olaf Scholtz-Knobloch – UEEIV President

Dott.-Ing. Gianpiero Strisciuglio - President of CIFI

Dott.-Ing. Luigi Cantamessa – General Director of Fondazione FS

10:00 – 11:15 FIRST SESSION: SLAB TRACK SYSTEMS

Chair: Dipl.-Ing. Dr. EURAIL-Ing Bernhard Knoll, UEEIV Vice President

10:00 – 10:20 Highly Versatile and Proven Slab Track Technology for a Range of Demanding Railway Applications

Dipl. Ing. Vlad Metaxa, Slab Track Engineering, PORR Bau GmbH (Austria)

Ing. Rudolf Felsner, Major Projects Engineering Director, VCE (Austria)

10:20 – 10:40 Fast System – Innovation in ballastless tracks

Giulia Maria Besemer, MSc

Development and Innovation Manager, Salcef Group (Italy)

10:40 – 11:00 Slab track as a response to the modern demand for a sustainable rail system

Tatjana Simić, dipl.eng.civil, Managing Director, TAK&TRACK BEOGRAD, (Serbia)

Prof.dr. Stanko Brčić, dipl.eng.civil, Faculty of Civil Engineering, Belgrade (Serbia)

11:00 – 11:15 Q&A Session

11:15 – 11:45 COFFEE BREAK & NETWORKING

11:45 – 13:00 SECOND SESSION: SLAB TRACK SYSTEMS

Chair: Dipl.-Ing. Dr. EURAIL-Ing Bernhard Knoll, UEEIV Vice President

11:45 – 12:05 Arianna® Slab Track: Meeting Modern Challenges in Sustainable Rail Infrastructure for Future Generations – The Storstrøm Bridge Case

M.Sc. Eng. Michele Gavazzeni

Product Manager, Wegh (Italy)

12:05 – 12:25 **Low Vibration Track (LVT) – The efficient slab track system for highest requirements**
Thomas Dorfner, B.Sc. (Chem.), MBA
Head of International Sales, Sonneville AG (Switzerland)

12:25 – 12:45 **Pandrol rail fastening solutions for urban tracks: Accoustic comfort and environmental care**
Ruben Ripoll,
Technical Manager, Pandrol (Spain)

12:45 – 13:00 **Q&A Session**

13:00 – 14:00 LUNCH BREAK & NETWORKING

14:00 - 15:15 THIRD SESSION: SLAB TRACK SYSTEMS

Chair: *Dipl. Ing. Marco Corradini*

14:00 – 14:20 **Innovation & International Experiences with Construction & Renewal of Slab Track**
Dipl.-Ing. Stefan Vonbun
Head of Superstructure Product, Rhomberg Sersa Bahntechnik GmbH (Austria)

14:20 – 14:40 **Rail Management Solutions for Slab Track applications and beyond**
Dr. Richard Stock
Global Head of Rail Solutions, Plasser & Theurer / Plasser American (USA)

14:40 – 15:00 **Ballastless Track Solutions for new and to be renewed railways tracks**
Dipl.-Ing. Jens Kleeberg
Chief Sales Officer, RAILONE (Germany)

15:00 – 15:15 **Q&A Session**

15:15 – 15:45 COFFEE BREAK & NETWORKING

15:45 - 17:00 FOURTH SESSION: DIGITALIZATION IN RAILWAY TRACK

Chair: *Dott. Ing. Marco Broglia, UEEIV Vice President*

15:45 – 16:05 **Risk-based approach in design of slab track for vibration mitigation**
Dipl.-Ing. Marco Acquati
Vibroacoustic Project Coordinator, MM Spa (Italy)

16:05 – 16:25 **The 360° no contact survey for railway and underground environment**
Eng. Giuseppe Bomben
Sales Manager, Automotive Diagnostic Technology Solutions S.R.L. (Italy)

16:25 – 16:45 **Digital Transformation of Railway Infrastructure - TMC**
Stefan Damm, CEO DMA Torino (Italy),
Dipl.-Ing. Jochen Nowotny, MBA, CEO tmc Track Machines Connected (Austria)

16:45 – 17:00 **Q&A Session**

20:00 NETWORKING DINNER: Fresco Trattoria Pizzeria

Via Partenope, 8, 80121 Napoli

Friday, 7 November

09:00 – 10:40 FIFTH SESSION: SLAB TRACK PROJECTS

Chair: *Dipl. Ing. Daniel Wirth, UEEIV Secretary*

09:00 – 09:20 **Construction lots for railway equipment at the Brenner Base Tunnel**
Dott. Ing. Michele Ianeselli, Project Manager for railway equipment design
Dipl.-Ing. Dr Matthias Hofmann, Head of the Planning Department Austria
BBT SE (Austria)

09:20 – 09:40 **Structural Analysis and Construction of a Cut-and-Cover Tunnel Slab Track: The GAZIRAY Experience**
Assoc. Prof. Dr. Omur Akbayir
Editor, Turkish Railway Engineer's Association (Turkey)

09:40 – 10:00 **Modernization of the ÖBB Tauern Tunnel, partial renewal of the slab track**
Prok. Dipl.-Ing. Thomas Lercher
Technical branch manager, Swietelsky AG (Austria)

10:00 – 10:20 **Static and Dynamic Investigation of Mass Spring System in Chile**
Dipl.-Ing. Dr.techn. Elisabetta Pistone
Project Manager, VCE Vienna Consulting Engineers GmbH (Austria)

10:20 – 10:40 Q&A Session

10:40 – 11:10 COFFEE BREAK & NETWORKING

11:10 – 12:50 SIXTH SESSION: SLAB TRACK PROJECTS

Chair: *Dr. Ing. Valerio Giovine, General Secretary of CIFI*

11:10 – 11:30 **Optimisation of transition zones can significantly increase the efficiency of railway lines**
Mag.(FH) Harald Steger
Product Manager, Getzner Werkstoffe GmbH (Austria)

11:30 – 11:50 **Barking Riverside Extension – Slab Track Viaduct with Precast S&C**
Barnaby Temple, CEng, MICE
Chief Engineer, Rhomberg Sersa UK Ltd (United Kingdom)

11:50 – 12:10 **Proven Preventive Measures for Resilient Slab Track Systems**
M.Eng., Mehdi Maghfouri, PMP
Chief Technical Manager, Larsen & Toubro Railway Business Group (India)

12:10 – 12:30 **Environmental Emissions Analysis of Slab Track System using Life Cycle Assessment**
Marinella Giunta, Associate Professor
Università degli studi Mediterranea di Reggio Calabria (Italy)

12:30 – 12:50 Q&A Session

12:50 – 13:50 LUNCH BREAK & NETWORKING

13:50 – 15:25 SEVENTH SESSION: SLAB TRACKS ON PUBLIC TRANSPORT SYSTEMS

Chair: *Dipl. Ing. Olaf Scholtz-Knobloch, UEEIV President*

13:50 – 14:10 Polymer-Based Slab Track: Finite Element Analysis Towards a Circular Economy Railway Infrastructure

Ing. Lasse Hansen, MBE
Doctoral researcher, Technical University Berlin (Germany)

14:10 – 14:30 Prefab embedded rail fastening (ERS-M), comprising conditioned state-of-the-art track fastening with minimal installation time in tramway systems

Rik Monteban, MBA, Regional Director North-West Europa, MEA & India
edilon)(sedra b.v. (Netherlands)

14:30 – 14:50 Solutions for Tram Slab Track structures – TINES TRAM integrated tram - road surface system

Tomasz Szuba, CEO, TINES Rail SA
Assoc. Prof. Michał Strach, D.Sc., Professor at AGH University of Krakow (Poland)

14:50 – 15:10 Zagreb 21-STT Innovative Track Fastening System in Urban Tramway Construction

univ.mag.ing.aedif. Franka Meštrović
Research and Teaching Assistant, University of Zagreb (Croatia)

15:10 – 15:25 Q&A Session

15:25 – 15:50 PODIUM DISCUSSION

Chair: *Dipl. Ing. Olaf Scholtz-Knobloch, UEEIV President*
Dipl.-Ing. Dr. EURAIL-Ing Bernhard Knoll, UEEIV Vice President

Panel:

Dipl.-Ing. Dr Matthias Hofmann, Head of the Planning Department Austria, BBT SE (Austria)
Marinella Giunta; Associate Professor, Università degli studi Mediterranea di Reggio Calabria (Italy)
Dipl.-Ing. Stefan Vonbun, Head of Superstructure Product, Rhomberg Sersa Bahntechnik GmbH (Austria)

15:50 – 16:10 FAREWELL AND THANKSGIVING

16:10 – 16:30 COFFEE BREAK & NETWORKING

16:30 - 18:00 VISIT OF THE MUSEUM

Saturday, 8 November

09:30 – 13:00 Excursion to the Naples: Visit famous metro stations on line 1 and the new line 6

Meeting point: outside the Centro Direzionale station (Line 1)

Visit to the stations: Centro Direzionale, Toledo/Montecalvario, Chiaia, and San Pasquale