

Slab Track Forum



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 proud to announce an exciting and highly relevant international conference in Naples, Italy: **UEEIV, the Union of European Railway Engineer Associations**, represents the interests of railway engineers and suppliers across Europe: **CIFI, the Italian Association of Railway Engineers**, serves as the professional body for railway engineers in Italy:

Both organizations have a long history of hosting conferences, discussions, and seminars on rail infrastructure and technology: This event marks the first collaboration between UEEIV and CIFI to jointly promote **best practices, address shared challenges, and explore innovations in slab track systems for high-speed railways**:

The seminar, titled “**Slab Track Forum**”, aligns closely with Europe’s current and future **strategies for expanding high-speed rail networks and modernizing urban public transport systems**:

The conference will be held in the **vibrant city of Naples**, renowned for its rich history, dynamic culture, and its pivotal role in the development of Italy’s railway infrastructure: Participants will have the chance to **engage with leading experts, share insights, and explore cutting-edge approaches to the design, construction, and maintenance of slab track systems**:

The program includes keynote speeches, technical and interactive presentations led by distinguished professionals in the field: In addition, the exhibition will **showcase the latest technologies and innovations** in slab track systems: There will also be plenty of opportunity for **networking** during the coffee breaks, lunch and the networking dinner:

On Saturday we will offer the option to **participate in an excursion** visiting the Metro Napoli line art stations including the visit of some of the most important sights of the city:

Don’t miss this exceptional opportunity to join 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

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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



Preliminary Programme

Wednesday, 5 November (General Assembly – internal meetings)

Venue: Holiday Inn Naples

- 13:00 – 13:30 Lunch for Presidium Members
- 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
- 19:00 Speakers Dinner restaurant tb

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

Moderator: 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

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

Umberto Petrucci
CEO of Reco Railway Engineering, 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

Moderators: 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 **Polymer-Based Slab Track: Finite Element Analysis Towards a Circular Economy Railway Infrastructure**
 Ing. Lasse Hansen, MBE
 Doctoral researcher, Technical University Berlin (Germany)

12:45 – 13:00 **Q&A Session**

13:00 – 14:00 LUNCH BREAK & NETWORKING

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

Moderators: 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 **Slab Track Applications in National and International Railway Projects: Italferr's Design Experience**
 Damiano Fulgione
 Technical Direction, Italferr (Italy)

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

Moderator: 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 (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 – 17:05 **Rail Management Solutions for Slab Track applications and beyond**
 Dr. Richard Stock
 Global Head of Rail Solutions, Plasser & Theurer / Plasser American (USA)

17:05 – 17:20 **Q&A Session**

20:00 NETWORKING DINNER
 Venue tbc

Friday, 7 November

09:30 – 11:10 FIFTH SESSION: SLAB TRACK PROJECTS

Moderator: Dipl. Ing. Daniel Wirth, UEEIV Secretary

09:30 – 09:50 **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)

09:50 – 10:10 **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 (Türkiye)

10:10 – 10:30 **Modernization of the ÖBB Tauern Tunnel, partial renewal of the slab track**
Prok. Dipl.-Ing. Thomas Lercher
Technical branch manager, Swietelsky AG (Austria)

10:30 – 10:50 **Static and Dynamic Investigation of Mass Spring System in Chile**
Dipl.-Ing. Dr.techn. Elisabetta Pistone
Project Manager, VCE Vienna Consulting Engineers GmbH (Austria)

10:50 – 11:10 Q&A Session

11:10 – 11:40 COFFEE BREAK & NETWORKING

11:40 – 13:20 SIXTH SESSION: SLAB TRACK PROJECTS

Moderator: Dr. Ing. Valerio Giovine, General Secretary of CIFI

11:40 – 12:00 **Optimisation of transition zones can significantly increase the efficiency of railway lines**
Mag.(FH) Harald Steger
Product Manager, Getzner Werkstoffe GmbH (Austria)

12:00 – 12:20 **Barking Riverside Extension – Slab Track Viaduct with Precast S&C**
Barnaby Temple, CEng, MICE
Chief Engineer, Rhomberg Sersa UK Ltd (United Kingdom)

12:20 – 12:40 **Proven Preventive Measures for Resilient Slab Track Systems**
M.Eng., Mehdi Maghfouri, PMP
Chief Technical Manager, Larsen & Toubro Railway Business Group (India)

12:40 – 13:00 **Environmental Emissions Analysis of Slab Track System using Life Cycle Assessment**
Marinella Giunta, Associate Professor
Università degli studi Mediterranea di Reggio Calabria (Italy)

13:00 – 13:20 Q&A Session

13:20 – 14:30 LUNCH BREAK & NETWORKING

14:20 – 16:20 SEVENTH SESSION: SLAB TRACKS OR PUBLIC TRANSPORT SYSTEMS

Moderator: Dipl. Ing. Olaf Scholtz-Knobloch, UEEIV President

14:20 – 14:40 Prefab embedded rail fastening (ERS-M), comprising conditioned state-of-the-art track fastening with minimal installation time in tramway systems

Gerrien van der Houwen, R&D Manager, edilon(sedra b.v. (Netherlands)

14:40 – 15:00 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

15:00 – 15:20 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)

15:20 – 15:35 Q&A Session

15:35 – 16:05 PODIUM DISCUSSION

Moderators: Dipl. Ing. Olaf Scholtz-Knobloch, UEEIV President

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

Panel: 4-5 experts

16:05 – 16:20 Farewell and Thanksgiving

16:20 - 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