



**7<sup>th</sup> European Conference**  
**“Joining and Construction of Railway Vehicles”**

**Information on how to get there**



HUNGEXPO, Google Maps

**KELETI RAILWAY STATION:**

use a taxi:  
 HUNGEXPO: 1101 Budapest, Albertirsai út 10. (Gate I.)

use a metro:  
 from Keleti Railway station Metro2 “Pillangó utca” station to Gate I,  
 by foot 15 min

use a bus:  
 from Keleti Railway station Metro2 “Örs Vezér Tere” by bus 10 from  
 Örs vezér tere “Expo tér” station

**LISZ FERENC AIRPORT:**

use a taxi:  
 HUNGEXPO: 1101 Budapest, Albertirsai út 10. (Gate I.)

use a bus:  
 from airport by 202E to Kőbánya-Kispest Metro station,  
 Bus 85 Örs vezér tere M+H, bus 10 „Expo tér” station

**EVENING PROGRAM ON MAY 08, 2024**

Hungarian Museum of Railway Vehicles, H - 1142 Budapest, Tatai út 95.  
 Departure for the Hungarian Evening by nostalgic train is scheduled for  
 6:00 pm from Kőbánya felső railway station, which is a 5-minute walk away.  
 The evening programe starts at 8:00 pm.



**DATE**  
 May 8–9, 2024



**REGISTRATION**  
 Simply register for your desired event  
 via our website [jointrans.eu](https://jointrans.eu)



**CONFERENCE CENTRE**  
 Hungexpo  
 Albertirsai út 10.  
 1101 Budapest , Hungary

**HYBRID-EVENT**

You can participate in this event on-site  
 or via our livestream.



**CLOSING DATE FOR  
 REGISTRATION**

The registration deadline is five days  
 before the start of the event. After  
 registration, you will receive a confirma-  
 tion of registration and invoice.



**CONFERENCE LANGUAGE**  
 The language of the conference is  
 English.



**REGISTRATION FEE**  
 Registration fee 490 €  
 Online participation 440 €  
 Conference fees are plus VAT. Congress  
 materials and snacks between the live-  
 sessions are included. Your registration  
 will be processed by our partner who  
 will host the event.



**CONFERENCE OFFICE**  
 Veronika Bricsiné Mindák  
 tel.: 06 70 907 4005  
 e-mail: [vteglasi@mhte.hu](mailto:vteglasi@mhte.hu)



**CANCELLATIONS**  
 We kindly ask you to cancel your regis-  
 tration via email to SLV Halle. In case  
 of cancellation before the closing date  
 for registration, fees will be refunded  
 completely. The full fee will be char-  
 ged for any cancellations after this  
 deadline. A substitute participant will  
 be accepted without additional cost.

Through submitting the registration  
 form you accept processing of personal  
 data by the SLV Halle GmbH for registra-  
 tion in our data base.



**7<sup>th</sup> European Conference**  
**“Joining and Construction of Railway Vehicles”**



**JOIN TRANS 2024**



Hybrid-Event  
**May 8–9, 2024**

Conference Place: Budapest , Hungary



Magyar Hegesztéstechnikai és  
 Anyagvizsgálati Egyesülés  
 Mogyoródi út 32. IV. emelet  
 1149 Budapest



Ein Unternehmen des DVS - Deutscher Verband  
 für Schweißen und verwandte Verfahren e. V.

Schweißtechnische Lehr- und  
 Versuchsanstalt Halle GmbH

**“ 7<sup>th</sup> European Conference**  
**Joining and Construction of**  
**Railway Vehicles”**



*Because we connect*





## 7<sup>th</sup> European Conference "Joining and Construction of Railway Vehicles"

Ladies and Gentlemen,  
Dear Colleagues,

safe rail transport is in the public interest throughout Europe - and welding plays an active role within. Therefore, the harmonization of welding for railway vehicles according to EN 15085 is proceeding. However, a clearly defined standard alone does not sufficiently influence the quality of welding on railway vehicles but a standardized European system of quality assurance does. The latter is a key task for the European Committee for Welding on Railway Vehicles (ECWRV). Manufacturers, operators, national safety authorities as well as manufacturer certification bodies from more than 20 countries are all currently members of the ECWRV. They all discuss the matter.

In this context, the online database EN 15085 is crucial as it provides transparency regarding the validity of certificates as well as technical information. Every participant of the project needs to be up-to-date with the topic. This can be achieved by their exchange of experience such as in technical conferences about the latest developments in welding technology, the welded constructions, and standards for railway vehicles.

For the second time the conference JOIN-TRANS will be organized by ECWRV and SLV Halle GmbH with another European partner. This time the host will be Magyar Hegesztéstechnikai és Anyagvizsgáló Egylet (MHTE) in Budapest, Hungary.

The ECWRV, MHTE, and SLV Halle GmbH are pleased to invite you to the 7<sup>th</sup> European Conference JOIN-TRANS 2024 called "Joining and Construction of Railway Vehicles" on May 8-9, 2024, in Budapest, Hungary.

Yours sincerely

Béla Gayer  
Managing Director  
Magyar Hegesztéstechnikai és  
Anyagvizsgáló Egylet

Prof. Dr. Steffen Keitel  
Chairman of the European  
Committee for Welding of  
Railway Vehicles (ECWRV)

Status: March 27, 2024, subject to change without notice

### Program WEDNESDAY, MAY 8, 2024

- 12:00 PM** Registration of the participants
- 1:30 PM** **Opening of the Conference**  
Prof. Dr. Steffen Keitel, Chairman of the ECWRV "European Committee for Welding of Railway Vehicles," Germany;  
Béla Gayer, Managing Director Magyar Hegesztéstechnikai és Anyagvizsgáló Egylet (MHTE), Hungary
- 2:00 PM** **How to introduce new welding processes by following the criteria of standard 15085 to manufacture welded components in railway applications**  
Aitziber Pedrero, Lortek, Spain
- 2:30 PM** **Adhesive bonding technology - a further joining technology in rail vehicle construction**  
Prof. Dr. Andreas Groß, Fraunhofer IFAM, Germany
- 3:00 PM** Coffee and tea break / exhibition
- 3:30 PM** **Bonding in rail vehicle construction is now European**  
Frank Stein, TBB Cert Bremen, Germany  
Thomas Richter, TC-Kleben GmbH, Germany
- 4:00 PM** **Versatile and automated - a vision for the future of rail vehicle production and maintenance**  
Urs Roemer, Fraunhofer IFAM, Germany
- 4:30 PM** **Application of friction stir welding (FSW) technology in area of railway industry**  
Ph.D Marek Slovák, Welding Research Institute Bratislava, Slovakia
- 5:00 PM** Leisure time
- 6:00 PM** **Departure by nostalgic train from Kőbánya felső station (5-minute walk)**
- 6:30 PM** **Evening program Hungarian Museum of Railway Vehicles (including dinner)**
- 10:00 PM** Departure by bus to Keleti railway station

### Program THURSDAY, MAY 9, 2024

- 9:00 AM** **Rolling stock development strategy at MÁV-START 2023-2024**  
Dr. László Kormányos, MÁV-START Zrt., Hungary
- 9:30 AM** **Innovations in tools and peripherals for metal arc welding in rail vehicle construction**  
Prof. Dr. Emil Schubert, ABICOR BINZEL Schweißtechnik GmbH & Co. KG, Germany
- 10:00 AM** **Economics and cost effectiveness of additive manufacturing**  
Özgür Uyar, GSI SLV-TR, Türkiye
- 10:30 AM** Coffee and tea break / exhibition
- 11:00 AM** **ECWRV Guideline Part 1**  
Patric Arlt, SLV Halle GmbH, Germany
- 11:30 AM** **ECWRV Guideline Part 2**  
Albrecht Hans, SLV Duisburg, Germany
- 12:00 PM** **Increased work safety and productivity in aluminum rail road car construction due to trouble-free wire feeding out of wire drums**  
Michael Spieß, Safran Deutschland GmbH, München, Germany
- 12:30 PM** Lunch / exhibition
- 1:30 PM** **How can cobots make the transition to automated welding easier - for the welder and for the company**  
Ivanov Boyan, EWM AG, Germany
- 2:00 PM** **The DJJ Railway Wagon Manufacturing Project for ENR - Challenges and Innovations**  
László Egyed, Dunakeszi Járműjavító Kft., Hungary
- 2:30 PM** **Topology Optimized Lightweight Design through AM - Laser Wire Deposition of a Train Side Wall Structure**  
Uriel Elliesen, Photon Laser Manufacturing GmbH, Germany
- 3:00 PM** End of conference

### This event is supported by



### Exhibitors

- Kemper GmbH
- Optrel AG
- Photon Laser Manufacturing GmbH
- qonex GmbH