

JOIN TRANS 2022



Hybrid-Event

May 11<sup>th</sup> – 12<sup>th</sup> 2022

Conference Place: Warsaw, Poland

6<sup>th</sup> European Conference  
„Joining and Construction of  
Railway Vehicles“



*Because we connect*





## 6<sup>th</sup> European Conference „Joining and Construction of Railway Vehicles“

Ladies and Gentlemen,  
Dear Colleagues,

the harmonization of welding for railway vehicles is proceeding, based on the standards of EN 15085. Safe railway transport is in the public interest all over Europe - and welding plays an active role in this purpose. However, a clearly defined standard alone does not sufficiently influence the quality of welding on railway vehicles. Therefore, a whole system of quality assurance is needed. Covering this is a key task for the ECWRV – European Committee for Welding on Railway Vehicles. Manufacturers, operators, national safety authorities as well as manufacturer certification bodies from more than 20 countries are all currently members of the ECWRV. They discuss how to organize quality assurance on an equal level. In this context, the Online Database EN 15085 is of central importance. The database provides transparency regarding the validity of certificates as well as technical information. To accompany all these processes an exchange of experience is required with all participants. This could be provided in the scope of our technical conference on the latest developments in welding technology and welded constructions as well as standards for railway vehicles. For the first time the conference JOIN-TRANS will be organized with an European partner: Transportowy Dozór Techniczny (TDT) in Warsaw, Poland.

The ECWRV, TDT and SLV Halle GmbH are honored to invite you to the 6<sup>th</sup> European Conference JOIN-TRANS 2022, „Joining and Construction of Railway Vehicles“, May 11<sup>th</sup> - 12<sup>th</sup>, 2022 in Warsaw, Poland.

Yours sincerely

A handwritten signature in black ink, appearing to be 'J. Urbanowicz', written in a cursive style.

Jan Urbanowicz  
Director  
Transportowy Dozór Techniczny

A handwritten signature in black ink, appearing to be 'S. Keitel', written in a cursive style.

Prof. Dr. Steffen Keitel  
Chairman of the ECWRV  
„European Committee  
for Welding of Railway  
Vehicles“

## WEDNESDAY, MAY 11<sup>th</sup>, 2022

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- 11:00 ⌚ Registration of the Participants
- 12:00 ⌚ Coffee and Tea/Exhibition
- 13:00 ⌚ **Opening of the Conference**  
Prof. Dr. Steffen Keitel, Chairman of the ECWRV „European Committee for Welding of Railway Vehicles“, Halle, Germany  
Jan Urbanowicz, Director of Transportowy Dozór Techniczny (TDT), Warsaw, Poland
- 13:20 ⌚ **The activities of ECWRV and online Register EN 15085**  
Prof. Dr. Steffen Keitel, Chairman of ECWRV „European Committee for Welding of Railway Vehicles“, Halle, Germany
- 13:50 ⌚ **Welding aspects of the development of the IC+ vehicle family**  
IWE/EWE Attila Erdei, István Stósz, László Kovács, MÁV-START ZRT., Budapest, Hungary
- 14:20 ⌚ Coffee and Tea Break/Exhibition
- 14:50 ⌚ **Welding of rail vehicles. Qualification testing and certification of welding personnel in the context of the accreditation requirements**  
mgr inż. Adam Pieńczuk, Transportowy Dozór Techniczny (TDT), Warsaw, Poland
- 15:20 ⌚ **Test programs for welders’ test pieces in the context of the production of rail vehicles and their parts**  
dr inż. Giedymin Orlik, Transportowy Dozór Techniczny (TDT), Warsaw, Poland
- 15:50 ⌚ **Distortion management in railway vehicle construction**  
Dr. Tobias Loose, Dr. Loose GmbH, Wössingen, Germany
- 16:20 ⌚ **Experience in the implementation of robotic welding stations in the production of rail vehicle parts**  
Ryszard Ochyra, Axtone- an ITT company, Kańczuga, Poland
- 16:50 ⌚ Coffee and Tea Break/Exhibition
- 18:00 ⌚ Transportation by bus to Łazienki Park
- 18:30 ⌚ Walk through Łazienki Park
- 19:30 ⌚ Gala Dinner - Belvedere Restaurant, Warsaw, Poland  
Individual transport back to the hotel

## THURSDAY, MAY 12<sup>th</sup>, 2022

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09:00 ⌚

### **Gaining Benefits of Laser Beam Welding in Small and Medium Volume Rail Car Projects (Rocky Mountaineer/Skoda FCX)**

Dipl.-Phys. Holger Alder, M.Sc. (IWE) Uriel Tradowsky, M.Sc. (IWE) Leo Pflugradt,  
Dipl.-Ing. Dipl.-Wi.-Ing. Wolfgang Albinus, Photon AG, Berlin, Germany

09:30 ⌚

### **Industrial application of modified MAG tandem pulsed-arc welding - Investigation of specific control parameters to increase productivity and joining quality**

Dr. Herbert Stauffer, FRONIUS International GmbH, Wels-Thalheim, Austria

10:00 ⌚

### **Implementation of a Welding 4.0 welding quality management system explained on real applications in manufacturing and education**

Boyan Ivanov, EWM AG, Muendersbach, Germany

10:30 ⌚

### Coffee and Tea Break/Exhibition

11:00 ⌚

### **EN 15085-2:2020 - one year experiences of manufacture certification**

Dipl.-Ing. Patric Arlt, SLV Halle GmbH, Halle, Germany

11:30 ⌚

### **Application and validation guide according to EN 15085 for the incorporation of welding processes in steel products with high mechanical performances**

IWE Eider Alberdi Irastorza, Lortek Scoop, Ordizia, Spain

12:00 ⌚

### **Increased work safety and productivity in aluminum rail road car construction due to trouble-free wire feeding out of wire drums**

Michael Spieß, Safra Deutschland GmbH, München, Germany

12:30 ⌚

### Lunch Break/Exhibition

13:30 ⌚

### **Laser based welding and additive manufacturing technologies for advanced metallic railway structures**

Dr. Jens Standfuss, Dr. Axel Jahn, Dr. Dirk Dittrich, Prof. Dr. Frank Brückner, Dr. Elena Lopez, Fraunhofer IWS, Dresden, Germany

14:00 ⌚

### **Welding Processes in Railway Vehicle Maintenance in accordance to the 4th Railway**

Prof. Dr. Wolfgang Rösch, Institute for Railway Vehicle Maintenance, Leipzig, Germany

14:30 ⌚

### **Repair of locomotive trolleys**

IWE mgr inż. Robert Barszcz, MHBS Robert Barszcz Welding Services, Wrocław, Poland

**THURSDAY, MAY 12<sup>th</sup>, 2022**

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15:00 ⌚ Coffee and Tea Break

15:20 ⌚ **Modern laser technologies for welding and additive manufacturing**  
Bolesław Klein, Trumpf Poland, Warsaw, Poland

15:50 ⌚ **Fatigue resistance of sheet metal sections generated by press-bolts joints by cold forming**  
Dr. Christian Denkert, David Kühne, Ralf Glienke, Melanie Fiedler, Maik Dörre, Wilko Flügge, Markus Kästner, Fraunhofer IGP, Rostock, Germany

16:20 ⌚ End of the Conference

**This event is supported by**

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## 6<sup>th</sup> European Conference „Joining and Construction of Railway Vehicles“



### Information on how to get there



Google Maps Routenplaner



#### DWORZEC CENTRALNY (Central Railway Station):

**use a taxi:** to Transportowy Dozór Techniczny, ul. Puławska 125, 02-707 Warszawa

**use a metro:** go on foot 550 meters to metro station CENTRUM and take metro direction KABATY (5 stops), get off at WILANOWSKA stop, turn left and go upstairs and turn right (direction PUŁAWSKA street), go upstairs again, turn left and go to crossroads - TDT office is on the right side of PUŁAWSKA street, ca. 400 m from metro exit

**use a tram:** at DW.CENTRALNY stop take tram No.10 direction WYŚCIGI (13 stops), get off at BUKOWIŃSKA stop, go 290 m on the left side of PUŁAWSKA street to the TDT office.

#### ✈ WARSAW CHOPIN AIRPORT:

**use a taxi:** to Transportowy Dozór Techniczny, ul. Puławska 125, 02-707 Warszawa,

**use a bus:** at LOTNISKO CHOPINA-PRZYLOTY stop take bus No.331 direction METRO WILANOWSKA (12 stops), get off at last stop (METRO WILANOWSKA) and go ahead 600 m towards PUŁAWSKA street – to the TDT office.



#### PLACE FOR THE DINNER EVENING ON MAY 11, 2022

Belvedere Restaurant

ul. Agrykola 1 (Nowa Oranżeria w Łazienkach Królewskich)

00-460 Warsaw, Poland





## DATE

May 11<sup>th</sup> – 12<sup>th</sup> 2022



## CONFERENCE LANGUAGE

The languages of the conference are English and Polish with simultaneous translation.



## REGISTRATION

Simply register for your desired event via our website [slv-halle.de](http://slv-halle.de) or at [www.tdt.gov.pl/join-trans-2022](http://www.tdt.gov.pl/join-trans-2022)



SLV Halle Website



TDT Website



## REGISTRATION FEE

Registration fee 355 € or 1599 PLN  
online participation 200 € or 900 PLN  
The registration fee includes the conference proceedings, lunch, coffee breaks and dinner. Conference fees are plus 23 % VAT.



## CONFERENCE CENTRE

Transportowy Dozór Techniczny (TDT)  
ul. Puławska 125  
02-707 Warsaw, Poland

### HYBRID-EVENT

You can participate in this event on site or via our livestream. Depending on the current pandemic situation, there is a chance that the event will take place online only. In this case all registered participants will of course be informed.



## CONFERENCE OFFICE

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## CANCELLATIONS

Cancellations of participation at the conference are generally asked to be made in writing to the SLV Halle. In case of cancellation before the registration deadline the fee will be refunded in full. For cancellations received after April 27, 2022 the full fee will be charged and the conference booklet submitted. A substitute participant will be accepted. In this case there will be no additional cost. Through submitting the registration form you accept processing of personal data by the SLV Halle GmbH for registration in our data base.



## CLOSING DATE FOR REGISTRATION

The registration deadline is five days before the start of the event. After registration, you will receive a confirmation of registration and invoice. After the registration deadline, the Conference proceedings were sent and the costs charged in full.



6<sup>th</sup> European Conference  
„Joining and Construction of Railway Vehicles“



**Transportowy Dozór Techniczny**

ul. Puławska 125  
02-707 Warsaw, Poland



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für Schweißen und verwandte Verfahren e. V.

**Schweißtechnische Lehr- und  
Versuchsanstalt Halle GmbH**