

Registration

Please register online at <https://its-mobility.de/test4rail/>.

Further Information

- The conference language will be English.

Conference Fee

The participation is free of charge!

The event is planned as a digital event due to the Corona pandemic.

Confirmation of Participation

All attendees will receive a confirmation of participation by e-mail after the symposium.

Contact

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Media Partner



www.eurailpress.de

Test 4 Rail

Symposium Test4Rail

Testing of safety-critical,
software-based
railway systems

5 and 6 October 2021

Digital

hosted by



Deutsches Zentrum
für Luft- und Raumfahrt
German Aerospace Center



Agenda

CERTIFIED



Tuesday, 5 October 2021

12:45 Dial-in

13:00 Welcome

Prof. Dr. Michael Ortgiese (DLR, DE)

Keynote

13:10 **S2R Joint Undertaking: towards an integrated European testing landscape**

Judit Sandor (Shift2Rail Joint Undertaking, BE)

Verifying Rail 4.0

13:40 **Considering Safety for Image Processing**

Lazos Philippidis (Siemens Mobility, DE) [tbc]

14:05 **EULYNX Test strategy at DB Netze**

Mirko Caspar (Deutsche Bahn, DE)

14:30 **Fuzz-Testing with AI Methods**

Lars Schnieder (ESE Engineering und Software-Entwicklung, DE)

14:55 Coffee Break

Formalisation and Automation

15:20 **Formal Verification of EULYNX Models Using Event-B and RODIN**

Shubhangi Salunkhe, Abdul Rasheed (neovendi, DE)

15:45 **Application of Formal Methods to Testing**

Thierry Lecomte (Clearys, FR)

16:10 **Automation of Testing**

Sébastien Zinsius (Clearys, FR)

16:35 **Software Development with Continuous X and comprehensive Test Strategies**

Dominik Holling, Marcin Slodkowski (ITK Engineering, DE)

17:00 **Wrap-Up**

Lennart Asbach (DLR, DE)

17:15 End of day 1

Agenda is subject to alterations

Wednesday, 6 October 2021

08:45 Dial-In

09:00 **Second Day Warm-up**

Lennart Asbach (DLR, DE)

Think out of the Box

09:15 **Standards for Performing specification, verification and validation of complex automotive functions [tbc]**

N.N.

Just do it! Concrete Projects

09:45 **Project Specific Results**

Nerea Fernandez (CEIT, ES)

10:10 **Holistic Approach for Validation of Safety Critical Systems**

Ansgar Kaltenthaler (Spherea, DE)

10:35 **The use of formal methods in specification and demonstration of ERTMS Hybrid Level 3**

Maarten Bartholomeus (EEIG, BE)

11:00 Coffee Break

European System Compatibility

11:15 **Commonly agreed principles of ERTMS stakeholders for efficient ETCS track-train integration**

Hartwig Schuster (Siemens, DE)

11:40 **Selection and Application**

Steffen Mehnert (Thales, DE)

Conformance and Integration

12:05 **Zero on Site Testing**

Luca Macchi (RINA, IT)

12:30 **Automatic Testing of CCS-System**

Christoph Gralla (Scheidt & Bachmann, DE)

12:55 **Current Methodology ETCS Conformity**

Andreas Distler, Bernd Gonska (DLR, DE)

13:20 **Conclusion and Farewell**

Lennart Asbach (DLR, DE)

13:30 End of symposium Test4Rail 2021