



PROGRAMME

Seminar NDT in Railway

28 September 2020 in Potsdam, Germany

VENUE:

Kongresshotel Potsdam am Templiner See

Am Luftschiffhafen 1
14471 Potsdam, Germany

Hotel reservation (until 31 August 2020):

Booking code: Railway
Single room: 105.00 €/night incl. breakfast
Double room: 105.00 €/night incl. breakfast
Phone: +49 331 907-0
E-mail: info@hukg.de

FEES:

Registration fee:	350,00 €
Students (up to 30 years):	80,00 €

www.dgzfp.de/seminar/railway



DEUTSCHE
GESELLSCHAFT FÜR
ZERSTÖRUNGSFREIE
PRÜFUNG e.V.

09:00 **Opening**
T. Heckel, Technical Committee NDT on Railway

Keynote Presentation

1 The Impact of Climate Change upon the Maintenance and Asset Management of Track: Resilience in the UK 2020 onwards
09:15 B. Counter¹
¹ Permanent Way Institution UK, Derby, United Kingdom

Vehicles

2 Optimization of in-service UT inspections intervals based on wheelset loads monitoring SMARTSET
09:45 S. Cervello¹, D. Regazzi¹, S. Cantini¹
¹ Lucchini RS, Lovere, Italy

3 Benefits and Limitations of Phased-Array-based Ultrasonic Inspection on Wheelset Components During Maintenance
10:05 I. Poschmann¹, T. Will¹
¹ W.S. Werkstoff Service GmbH, Essen, Germany

4 An application of eddy currents non-destructive testing to the estimation of corrosion-fatigue damage in railway axles
10:25 Michele Carboni¹
¹ Dept. Mechanical Engineering, Politecnico di Milano, Italy

10:45 Discussion
11:00 Break

Track

5 Use of autonomous vehicle-track interaction monitoring for optimal railway infrastructure maintenance
11:20 S. Jovanovic¹, M. Dick², P. Tesic³
¹ Faculty of Technical Sciences, University of Novi Sad, Serbia; ² Ensco Inc., Springfield, VA, USA; ³ Tangram projekt D.o.o., Novi Sad, Serbia

6 Hunting down the Squat
11:40 D. Beilken¹
¹ PLR Prüftechnik Linke & Rühle GmbH, Magdeburg, Germany

7 Complex rail diagnostic services based on NDT methods
12:00 Á. Marosi¹
¹ MÁV Central Rail and Tack Inspection Ltd., Budapest, Hungary

12:20 Discussion
12:35 Lunch

New Challenges

8 Automated Second Level Decision – Database supported NDT
13:30 C. Pies¹, T. Baumgart¹
¹ SBB AG, Bern, Switzerland

9 Digitalization for railway-NDT
13:50 D. Werner¹, P. Buschke¹, A. Franzen¹, F. Henrix¹, U. Philipps¹
¹ Waygate Technologies, Hürth, Germany

10 Inductive thermography as non-destructive testing
14:10 B. Oswald-Tranta¹, C. Tuschl², S. Eck², D. Künstner³
¹ University of Leoben, Austria; ² Material Center Leoben, Austria; ³ voestalpine Schienen GmbH, Leoben, Austria

14:30 Discussion
14:45 Break

Standardisation

11 SBBs experience with the standard series EN 16729 “NDT of rails in track”
15:05 S. Büsser¹
¹ SBB Infrastruktur, Bern, Switzerland

12 NDT for Entities in Charge of Maintenance (ECM) and corresponding workshop approval on a European level
14:25 J. Kurz¹, U. Mosler¹
¹ DB Systemtechnik GmbH, Brandenburg-Kirchmöser, Germany

13 Experience with the introduction of EN 16910 and the EN 16729 in the Netherlands
15:45 T. de Keijzer¹
¹ DEKRA Rail, Utrecht, Netherlands

16:05 Discussion
16:20 Closing