



Arbeitskreis Eisenbahntechnik

## Optimising the Wheel/Rail-Systems – Technological progress for safety, cost-efficiency and reliability

20<sup>th</sup> International Convention of the  
Working Committee on Railway Technology  
(Infrastructure) of the Austrian Society for  
Traffic and Transport Science - ÖVG

**Salzburg, Austria**

**Salzburg Congress**

**15<sup>th</sup> – 17<sup>th</sup> September 2015**

January 2015

## PROGRAMME

### Monday, 14. 9. 2015

14.00 - 19.00  
Registration and distribution of documentation  
Convention Office, Salzburg Congress

### Tuesday, 15. 9. 2015

08.00 Registration and distribution of documentation  
Convention Office, Salzburg Congress

09.00 **Opening of the convention**  
by the chairman Dipl.-Ing. Helmut **Hainitz**,  
Deputy Director General ÖBB (ret.)

Welcome speeches

#### **Focus: Strategy**

Chair:  
Em. Univ.-Prof. Dipl.-Ing. Dr. Klaus **Rießberger**

09.30 **Keynote**  
Ing. Mag. (FH) Andreas **Matthä**,  
ÖBB-Infrastruktur AG, Austria

10.00 **Results of the DACH project**  
Dkfm. Frank **Sennhenn**, DB Netz AG, Germany  
Dr. Philippe **Gauderon**, SBB, Switzerland not confirmed  
Dipl.-Ing. Franz **Bauer**,  
ÖBB-Infrastruktur AG, Austria not confirmed

Break 10.45 – 11.15

11.15 **Integrated Permanent Way Management at the ÖBB**  
Dr. Michael **Mach**, ÖBB-Infrastruktur AG, Austria

11.45 **Asset Management at the cutting edge**  
Prof. Dipl.-Ing. Dr. Peter **Veit**, TU-Graz, Austria  
Dipl.-Ing. Dr. Jochen **Holzfeind**, SBB, Switzerland

12.15 **Life Cycle Cost Management**  
Dipl.-Ing. Holger **Koriath**, DB Netz AG, Germany

Lunch 12.45 – 14.00

#### **Track and high-speed traffic**

Chair:  
Univ.-Prof. Dipl.-Ing. Dr. Norbert **Osternann**

14.00 **Reopening TGV lines for traffic speeds  
of 160 km after ballast bed cleaning**  
Régis **Ambert**, SNCF, France

14.30 **Track for the new high-speed line  
Ebensfeld – Leipzig**  
DDI (FH) Jörg **Fenske**, Porr Bau GmbH, Austria  
Dipl.-Ing. Dr. Dieter **Pichler**, FCP-Fritsch,  
Chiari & Partner Ziviltechniker GmbH, Austria

15.00 **Ballasted Track: 50 years of experience on the  
Tokaido Shinkansen line (Japan)**  
Dr.-Ing. Masahiro **Miwa**, JR-Central, Japan

Break 15.30 – 16.00

16.00 **High-speed traffic on ballasted track**  
Dr.-Ing. Mario **Testa**, RFI S.p.A., Italy

16.30 **Experiences and types of application using under  
sleeper pads**  
Paul **Godart**, Infrabel SA, Belgium

17.00 End of presentations

## Wednesday, 16. 9. 2015

### **Diagnosis and Management**

Chair:  
a.o.Univ. Prof. Dipl.-Ing. Dr. Günter **Prager**

- 09.00 **Maintenance systems of a small network operator**  
Ing.-Civil ULg Laurence **Zenner**, CFL, Luxembourg
- 09.30 **Track geometry evaluation using fractal analysis**  
Dipl.-Ing. Fabian **Hansmann**, TU-Graz, Austria  
Dipl.-Ing. Matthias **Landgraf**, TU-Graz, Austria
- 10.00 **Mobile assessment of asset (track) data**  
David W. **Ferryman**, P.E., CN, Canada
- Break 10.30 – 11.00
- 11.00 **Detecting rail defects by mean of nondestructive testing methods**  
Dipl.-Ing. Anika **Dey**, DB Systemtechnik, Germany
- 11.30 **Track and subground diagnosis**  
Jim **Hyslip**, Hyground, USA  
**N. N.**, Amtrak, USA
- 12.00 **Major construction projects and introduction to the excursion**  
Dipl.-Ing. Franz **Bauer**, ÖBB-Infrastruktur AG, Austria
- Lunch 12.30 – 13.00
- 13.00 - 18.00 **Excursion** – Klaus a.d. Pyhrnbahn
- 19.00 **ÖVG Evening**

## Thursday, 17. 9. 2015

### **Further Development**

Chair:  
Univ.-Prof. Dipl.-Ing. Dr. Peter **Veit**

- 09.00 **Experiences with high-strength rail steels**  
Dipl.-Ing. Dr. Albert **Jörg**,  
voestalpine Schienen GmbH, Austria  
Dipl.-Ing. Dr. Bernhard **Knoll**,  
ÖBB-Infrastruktur AG, Austria  
Dipl.-Ing. Dr. Alexander **Strauch**, SBB, Switzerland  
Dipl.-Ing. Dr. Christian **Tapp**, DB Netz AG, Germany
- 09.45 **Rail welding**  
Markus **Öllinger**, MSc., Plasser & Theurer, Austria
- 10.15 **Experiences with the new rigid common crossings – scientific studies in conclusion with track testing at ÖBB**  
Dipl.-Ing. Peter **Dornig**, BSc.,  
ÖBB-Infrastruktur AG, Austria  
Dipl.-Ing. Uwe **Ossberger**, MCL, Austria
- 10.45 **Track laying and maintenance in Australia**  
Gerfried **Thür**, Rhomberg Sersa Rail Group,  
Austria/Australia
- Break 11.15 – 11.45
- 11.45 **Modern operations management at the ÖBB network**  
Ing. August **Zierl**, ÖBB-Infrastruktur, (ret.), Austria
- 12.15 **Measures for the availability and reliability of overhead lines**  
Dr. Ralf **Zabel**, Signon Schweiz AG, Switzerland
- 12.45 **Track designs for sandy deserts**  
Wessel **Swanepoel**, TransNamib, Namibia
- 13.15 **Closing words and end of convention**

## Conference Venue

*Salzburg Congress*  
Auerspergstraße 6, 5020 Salzburg, Austria

### Registration fee

€ 828,- (€ 690,- + 20% VAT)

€ 708,- (€ 590,- + 20% VAT)  
if paid in advance until 14th June 2015

€ 576,- (€ 480,- + 20% VAT)  
for ÖVG members (company or individual membership)

### **A programme of social events is planned**

Further details will be given at a later date.

### Sponsoring

In return there will be an opportunity for those firms to set up their advertising and information panels in the foyer of the Congress Centre and to run an advertisement in the conference proceedings.

### Information

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An event organized by ÖVG GmbH

**Duration of presentation 25 min. + 5 min. for discussion**