

23<sup>rd</sup> International Convention of the Working Committee on Railway Technology (Infrastructure)

## **Predictive Maintenance for Track Optimisation**

From data collection to track perfection

13 to 14 September 2021

Graz University of Technology (Technische Universität Graz)

Rechbauerstraße 12, 8010 Graz

**Monday, 13 September 2021**

Evening reception, Schlossberg Graz

**Tuesday, 14 September 2021**

10:00 **Welcome**

Andreas MATTHÄ, Peter VEIT, Andreas TROPPER

10:30 **Session 1: From data to forecast - the future is certain**

Chair: Peter VEIT

**Predictive Maintenance as an opportunity for infrastructure**

Michael MACH, ÖBB-Infrastruktur AG

**Automatic switch inspection at DB Netz AG**

Manfred ZACHER & Dirk NICKLISCH, DB

**Fiber optic sensing**

Michael BRAUNER, ÖBB-Infrastruktur AG, Rene ZEILINGER/Sebastian HAID, Frauscher & Ivan VIDOVIC, voestalpine Railway Systems

**Linking fixed and mobile measurement stations**

Roman SCHMID, ÖBB-Infrastruktur AG & Johannes STEFKO, IBM

12:30 *Lunch break*

13:30 **Session 2: From forecast to implementation - ensuring the availability of infrastructure**

Chair: Ferdinand POSPISCHIL, TU Graz

**Asset Management and forecast**

Peter VEIT, TU Graz

**Track maintenance machines, new data sources**

Florian AUER, Plasser & Theurer

**From budgeting to building**

Anna Maria OPRANDI, SBB & Georg NEUPER, ÖBB

**Maintenance models for urban track systems**

Johannes KEHRER, Vienna public transport company Wiener Linien

15:30 *Coffee break*

16:00 **Session 3: Round-table of infrastructure executives: expectations and opportunities**

**Summary**

Matthias LANDGRAF, TU Graz

**Discussion**

Franz BAUER, ÖBB-Infrastruktur AG

Frank SENNHENN, DB Netz AG

Michel KUNZ, SBB Infrastruktur

17:00 **Closing words**