

23rd 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 TROPPER, Andreas MATTHÄ, Peter VEIT

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

Automatic switch inspection at DB Netz AG

Manfred ZACHER & Dirk Nicklisch, DB

Fiber optic sensing

Michael BRAUNER, ÖBB-Infrastruktur AG, Stefan HUBER, Frauscher & Ivan VIDOVIC,
voestalpine Railway Systems

Linking fixed and mobile measurement stations

Roman SCHMID, ÖBB & Johannes STEFKO, IBM

12:30 *Lunch break*

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

Chair: Norbert OSTERMANN

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

17:00 **Closing words**