The Austrian Society for Traffic and Transport Science, the Vienna University of Technology and ÖBB-Infrastruktur AG are pleased to invite you to the ÖVG Congress on

Electric Traction Systems

24 and 25 November 2016

Great Hall of the Vienna University of Technology (TU Wien, Karlsplatz 13, 1040 Vienna)

Thursday, 24 November 2016

10:30 *Registration*

11:00 **Words of Welcome**
Prof. Dr. Ostermann | TU Wien, CEO DI Bauer | ÖBB-Infra, DI Klugar | ÖVG

11:30 **LCC and LCM of Rail Infrastructure**
Prof. Dr. Veit | Graz University of Technology,
Head of the Institute for Railway Engineering and Transport Economics

12:00 **The railway power supply of Deutsche Bahn**
Ing. Michael PERSCHBACHER | DB Netz

12:20 **New Developments in Low-wear Contact Wires and Conductive Materials**
Dr. Ing. Pupke | nkt cables, Head of Development Material

12:45 **Mechanical Analysis of Contact Wires for Proper Installation**
Ao. Univ. Prof. Dr. Heuer | TU Wien, Institute of Building Construction and Technology, Research Field of Structural Mechanics and Dynamics

13:10 **Testing of Tensile Compression Joints**
Dr. Schlegl, DI Pfeifer | TU Dresden, Institute for Electrical Power Supply and High Voltage Engineering

13:30 *Lunch Break*

14:00 **Electrification Projects in the UK**
DI Kaufhold | SPL Powerlines Germany

14:15 **Availability of Assets Improved by Constant Monitoring of Overhead Line Systems Catenary/Overhead Conductor Rail: State of the Art at ÖBB**
Ing. Kapfenberger | ÖBB-Infra, Line Management and Asset Development

14:40 **An Inventory of Assets by Modern Means (drones, scanning flights, etc.)**
DI Stolle | SPL Powerlines Germany

14:55 **Installation of Overhead Lines Under Rail Service Conditions**
Representative of the Working Group for Overhead Line Construction, Railway Industry Association

15:20 **Quality Assured Installation and Maintenance of Contact Lines with Appropriate Auxiliary Rail Vehicles**
Ing. Rebek | Plasser&Theurer

15:45 *Coffee Break*

16:15 **Overhead line measuring technology as a key to maintaining the ÖBB infrastructure**
Ing. Michael BERGER | ÖBB-Infra, Messtechnik

17:00 **Traction Power Supply and Protection Technology**
DI Aeberhard | Railectric

17:30 **End of Day 1**

19:00 *Evening Event*

ÖSTERREICHISCHE VERKEHRSWISSENSCHAFTLICHE GESELLSCHAFT

TECHNISCHE UNIVERSITÄT WIEN
Vienna University of Technology

ÖBB INFRA

Friday, 25 November 2016

08:30 **Words of Welcome**
DI Irsigler

08:35 **Do TSIs Really Create Interoperable Transport Services?**
DI Behrends | EBC, EISENBAHN–CERT, the Notified Body of Interoperability attached to the German Federal Railway Authority, Technical Director of Power Supply

08:55 **Lean and Recent Technical Regulations as a Challenge for Railways, Implementation of ENE TSIs and Related Standards in ÖBB's Rulebooks**
Ing. Kurzweil | ÖBB-Infra

09:15 **Interaction between Pantograph and Overhead Line System from the Pantograph's Perspective**
DI Kolbe, DI Heland | DB Systemtechnik (German Rail's engineering office)

09:35 **Return Circuit and Railway Earthing Backbone – Earthing in Technical Rooms in Accordance with EN 50122**
DI Schär, ENOTRAC AG, Department of Energy

10:05 **Technical and Legal Framework for Standardisation and the Definition of Rulebooks in Railway Electrical Engineering**
Dr. Dreßler | RAIL CONCERT

10:25 **Interoperability from the Manufacturers' Perspective**
Dr. Röhlig | Rail Power Systems, Head of Railway Power Supply Systems

10:45 *Coffee Break*

11:10 **Contact Line Project at the Vienna Central Station**
Ing. Weixler | ÖBB-Infra, Line Management and Asset Development

11:35 **Gotthard, 16.7 Hz Equipment, Project Management, RAMS**
Ing. Solka | GBT, Consortium 16.7 Hz Transtec Gotthard, Project Manager

12:05 **The Electrification Programme in Denmark**
Dr. André Dölling | Siemens AG, Business Segment Rail Electrification

12:30 **Switch Heating Systems (availability in winter and energy efficiency) / Pilot Project Contact Wire Heating in Ludweishofen**
DI Isling, Ing. Häusler | SAN, HC-Electric

13:00 **Implementation of the Required Availability of Switches in Winter – State of the Art and Innovation**
DI (FH) Schmid | ÖBB-Infra

13:20 **Euroswitch – a Project Involving Several Railway Administrations**
DI Rüdiger, DI Adam | TU Dresden, ivis Institute for Transport Infrastructure

13:50 **Closing Words**
DI Irsigler