

Second International Scientific Discussion of Czech Technology Platform IZI

The Technology Platform “Interoperability of Railway Infrastructure” decided on the organization of ISD and prepared the program of

2nd International Scientific Discussion on Current Issues - topics of European Railway Research to be held on:

October 4th 2018 in Prague

Grandior Hotel Prague

Na Florenci 29, 110 00 Praha 1/Na Poříčí 42, 110 00 Praha 1

Motto:

Substantiated development of the European railway system using the results of R & D activities and the follow-up activities of railway industrial and operational practice as a key means of enhancing the competitiveness and commercial success of railway transport, with the aim of contributing to highlighting the share of primarily Czech universities in research and development projects results particularly useful for supporting the development of high-speed railway lines in the Czech Republic, with a view to improving and modernizing teaching at universities and secondary vocational schools corresponding to the current requirements of further developing the function of the European railway system.

Programme of the 2nd International Scientific Discussion (ISD)

9.00 - Registration of participants

9.30 - Opening of the International Scientific Discussion

*prof. Ing. Ondřej Jiroušek, Ph.D. – Chairman of the Scientific Council of
Technology Platform*

According to the time schedule of the ISD, lunch break will be pre-arranged at 12.30.

A. **Presentations of the Technology Platform representatives - organizers of the ISD**

Starting from 10 AM

1. Characteristics of the professional equipment of Czech railway research and development represented by members of the Technology Platform - universities, research and project institutes and research and development departments of industrial members of the Technology Platform

doc. Ing. Otto Plášek, Ph.D. – Deputy Chairman of Technology Platform Management Board

2. Development plans of Czech railway transport with prior research and development solutions required

prof. Ing. Ondřej Jiroušek, Ph.D. – Chairman of the Technology Platform Scientific Board

B. **Presentations of foreign partners responding to the content of the statements of the Technology Platform representatives, but above all mentioning the main "European starting points" following the focus of the ISD**

1. The intentions and objectives of implementing the Single European railway area based on the EU market and technical regulatory framework and supported by the results of European railway research

Ing. Libor Lochman, Ph.D. – Executive Director of CER

I. **Discussion Block**

2. The role of the Shift2Rail Joint Undertaking in supporting and managing European rail research provided in line with the objectives of the “S2R Innovation Programs” under the European Horizon 2020 Program, including the idea of a follow-up “post-2020”

Dr. Carlo Borghini – Executive Director of the S2R Joint Undertaking

3. European railway transport development plans exploiting the results of railway research and development provided within the framework of UIC activities

*Ing. Jozef Fázik – Project Manager of International Union of Railways
(Chargé de Mission)*

II. Discussion Block

C. Statement of foreign representatives - participants of the ISD to the share of Czech railway research and development capacities concentrated in the Technology Platform in joint projects (international, European)

1. Cooperation on projects of the Joint Undertaking S2R in the Horizon2020 Programme. Example of cooperation of Czech partners in the European project “New Generation of Switches & Crossings Design”

prof. Clive Roberts - Birmingham Centre for Railway Research and Education

2. Preparation of HSR in the Czech Republic and international cooperation in the field of technical solutions and specific projects

Ing. Marek Pinkava – Strategy section, SŽDC

III. Discussion Block

D. Objectives whose enforcement can greatly contribute to improving the functioning of the European railway system

1. Use of satellite navigation in railways - current status and future opportunities

Dr. Daniel Lopour - The European GNSS Agency (GSA)

Summary - final discussion

Conclusions from the International Scientific Discussion

prof. Ing. Ondřej Jiroušek, Ph.D. – Chairman of the Technology Platform Scientific Board

The International Scientific Discussion negotiation language is English.