



International Scientific
and Technical Conference

High Speed Railway Development in Poland

28-30.10.2024

Łódź



Polish Association of Transport
Engineers & Technicians
National Board

Polish Association of Transport
Engineers & Technicians
Branch Radom

HONORARY PATRONAGE

Ministry of Infrastructure
Marshal of the Łódzkie Voivodeship
Marshal of the Mazowieckie Voivodeship
Mayor of the city of Łódź
Office of Rail Transport (UTK)
Centre for EU Transport Projects (CUPT)
Polish Chamber of Civil Engineers (PIIB)

SUBSTANTIVE PATRONAGE

Railway Research Institute (IK)
Polish State Railways (PKP SA)
PKP Polskie Koleje Państwowe SA
Centralny Port Komunikacyjny Sp. z o.o.

DESIGN FIELD PATRONAGE

Polish Association of Designers and Engineers (ZOPI)

SCIENTIFIC AND PROGRAMME BOARD

Ph.D. Jacek Paś

Head of the Scientific and Programme Board
Polish Association of Transport Engineers and Technicians National Board (SITK RP)
President

prof. D.Sc. Ph.D. Janusz Dyduch

Head of High Speed Railway Committee SITK RP
Polish Association of Transport Engineers and Technicians National Board
Honorary President / Casimir Pulaski Radom University

Piotr Malepszak

Ministry of Infrastructure
Undersecretary of State at the Ministry of Infrastructure of Poland

Ph.D. Ignacy Góra

Polish Office of Rail Transport (UTK)
President

Ph.D. Alan Beroud

Polskie Koleje Państwowe SA (PKP SA)
President of the Polskie Koleje Państwowe SA

Piotr Wyborski

PKP Polskie Linie Kolejowe SA (PKP PLK SA)
President of the PKP Polskie Linie Kolejowe SA

Zbigniew Szafrąński

Centralny Port Komunikacyjny Sp. z o.o.

Head of the Supervisory Board at Centralny Port Komunikacyjny

Vice-President of High Speed Railway Committee SITK RP for Traction Power Supply systems

Ph.D. Filip Czernicki

Centralny Port Komunikacyjny Sp. z o.o.

President of the Management Board

D.Sc. Ph.D. Andrzej Massel

Railway Research Institute (IK)

Director of the Railway Research Institute

D.Sc. Ph.D. Marek Pawlik, prof. IK

Railway Research Institute (IK)

Vice-Director of Railway Research Institute, Head of Interoperability Division,

Tomasz Lachowicz

Head of Representative Office of PKP in Brussels

NATO TG IST Rail Coordinator / Senior Transport Advisor

Adrian Mazur

Ministry of Infrastructure

Department of Transport Strategy

Department Director

Tomasz Warsza

Ministry of Infrastructure

Railway Department Director

Ph.D. Jakub Majewski

Foundation „Pro Kolej”

President of the Management Board

PKP Polskie Linie Kolejowe SA

Head of the Supervisory Board at the PKP Polskie Linie Kolejowe SA

Ph.D. Maciej Kaczorek

PKP Polskie Linie Kolejowe SA,

Member of the Management Board Director for Strategy and Development

Head of the National Railway Committee at SITK RP

prof. D.Sc. Ph.D. Andrzej Szarata

Cracow University of Technology

JM Rector of the Cracow University of Technology

prof. D.Sc. Ph.D. Krzysztof Józwick

Lodz University of Technology

JM Rector of the Lodz University of Technology

*** prof. D.Sc. Ph.D. Krzysztof Zaremba**

Warsaw University of Technology
JM Rector of the Warsaw University of Technology

*** prof. D.Sc. Ph.D. Teofil Jesionowski**

Poznan University of Technology
JM Rector of the Poznan University of Technology

*** prof. D.Sc. Ph.D. Arkadiusz Wójs**

Wroclaw University of Technology
JM Rector of the Wroclaw University of Technology

*** prof. D.Sc. Ph.D. Arkadiusz Mężyk**

Politechnika Śląska
JM Rektor Politechniki Śląskiej

***prof. dr hab. Sławomir Bukowski**

Uniwersytet Radomski
JM Rektor Uniwersytetu Radomskiego

*** Brig. Gen. prof. D.Sc. Ph.D. Przemysław Wachulak**

Wojskowa Akademia Techniczna
JM Rektor - Komendant Wojskowej Akademii Technicznej

prof. D.Sc. Ph.D. Juliusz Engelhardt

Szczecin University
Vice-chairman of High Speed Railway Committee SITK RP

prof. D.Sc. Ph.D. Andrzej Chudzikiewicz

Casimir Pulaski Radom University

prof. D.Sc. Ph.D. Tomasz Siwowski

Rzeszow University of Technology

D.Sc. Ph.D. Mirosław Lewandowski, prof. PW

Warsaw University of Technology

D.Sc. Ph.D. Filip Pachla, prof. PK

Cracow University of Technology
Vice-President of Polish Chamber of Civil Engineers

D.Sc. Ph.D. Tomasz Perzyński, prof. UR

Casimir Pulaski Radom University
Dean of the TEil Faculty

D.Sc. Ph.D. Piotr Kisielewski, prof. PK

Cracow University of Technology

Janusz Malinowski

PKP Intercity SA
President of the PKP Intercity SA

Krzysztof Pietrzykowski
POLREGIO SA
President of the POLREGIO SA

Ph.D. Sławomir Jasiński
Polish Association of Transport Engineers and Technicians
Vice-President of High Speed Railway Committee SITK RP for Control Systems

Ph.D. Mariusz Buława
Polish Association of Transport Engineers and Technicians
Head of Cybersecurity Committee SITK RP

D.Sc. Ph.D. Michał Wolański prof. SGH
SGH Warsaw School of Economics, Department of Infrastructure and Mobility Studies
Head of the Institute of Infrastructure, Transport and Mobility SGH

prof. D.Sc. Ph.D. Adam Szelaż
Warsaw University of Technology, Institute of Electrical Power Engineering
Traction and Electrical Power, Engineering Economy Division

Tomasz Szuba
Polish Association of Transport Engineers and Technicians National Board
Vice-President of High Speed Railway Committee SITK RP for Civil Engineering

Ph.D. Michał Zięba
HANTON Szalc Zięba & Partnerzy, Attorney-at-law, Managing Partner

*the organizers applied for participation in the Scientific and Program Board of the Conference

ORGANIZING COMMITTEE

Ph.D. Wawrzyniec Wychowański

Head of the Organizing Committee

Polish Association of Transport Engineers and Technicians National Board

General Secretary

Waldemar Fabirkiewicz

Polish Association of Transport Engineers and Technicians National Board

Secretary of the High Speed Railway Committee SITK RP for Control Systems

Secretary of SITK RP Radom Branch

Roman Góralski

Polish Association of Transport Engineers and Technicians National Board

Head of the Communications Department

Ewa Wojdyńska

Polish Association of Transport Engineers and Technicians National Board

HSR PL 2024 Project Manager

Hanna Szary

Polish Association of Transport Engineers and Technicians National Board

Head of the Conference and Experimental Development Department

Katarzyna Gawlik-Tarnowska

Polish Association of Transport Engineers and Technicians

SITK RP Warsaw Branch

Jan Solski

Polish Association of Transport Engineers and Technicians

SITK RP Radom Branch

Maciej Trybulski

Polish Association of Transport Engineers and Technicians

SITK RP Radom Branch

MAIN CONFERENCE OBJECTIVES

The main objectives of the HSR PL 2024 Conference Lodz are listed below::

- Creation of the platform for presentation of the technical knowledge and experiences exchange from the real case studies related to the High Speed Railway implementation as well as the technical, organizational and legal aspects of this process;
- Discussion of the elements of a unified strategy for the development of railway transport in Poland, with special attention paid to the interface between the railway systems in neighboring countries and interconnection into the interoperable EU railway network system in general;
- Organization of space for the exchange of knowledge and experience between countries and foreign companies as well as the scientific community;
- Enhancement and tightening cooperation between science and industry, understood as supporting the commercialization of scientific works and exchange of views on the education of engineering staff due to the dynamic development of the market in Poland and the countries of Central and Eastern Europe.

CONFERENCE MATERIALS

Presentations should be sent to the organizers by 26.10.2024 EOD

PARTICIPATION CONDITIONS

The condition for participation in the conference is to send a completed participation card and a payment to the below presented bank account of the Polish Association of Transport Engineers and Technicians National Board (SITK RP Zarząd Krajowy)

**Bank account number for participation payments:
PL 06 1160 2202 0000 0006 2162 9658**

The cost of participation in the conference includes all costs of the participant's participation, including participation in the gala and friendly dinner and participation in the technical trip on the third day of the conference.

By using the code **HSR PL 2024** the participants can make a reservation with a special discount. Hotel Andel's direct contact: +48 42 279 15 22 +48 42 279 15 21, or via emails sent: Reservation.Andels-Lodz@hrg-hotels.com

Conference participation cost:

3500,00 PLN NET + 23% VAT – with self-accommodation
1900,00 PLN NET + 23% VAT – self-accommodation and participation in one selected day of the conference with the diner included in

Reduced conference participation cost dedicated to the:

- Members of Polish Association of Transport Engineers and Technicians;
- Scientific and teaching staff from specialized universities;
- Students from specialized universities;

is agreed at the level of:

2500,00 PLN NET + 23% VAT – with self-accommodation
1500,00 PLN NET + 23% VAT – self-accommodation and participation in one selected day of the conference with the diner included in

Please highlight Your intention to take part in a technical trip together with the Conference participation card.

Any resignation from participation shall be sent to the following e-mail address: hsrpl2024@sitkrp.org.pl by the 25.10.2024 EOD

If You do not cancel your participation within the given deadline, no refund of participation costs will be possible.

INFORMATION / HELPDESK

Polish Association of Transport Engineers and Technicians

National Board

ul. Czackiego 3/5

00-043 Warszawa

e-mail: hsrpl2024@sitkrp.org.pl

Ewa Wojdyńska / HSR PL 2024 Project Manager

Mobile: + 48 692 556 037

EN Language Conference Contact:

SITK RP National Board

e-mail: hsrpl2024@sitkrp.org.pl

Wawrzyniec Wychowański

Mobile: + 48 505 787 221

Polish Association of Transport Engineers and Technicians

Radom Branch

ul. prof. W. Krukowskiego 1

26-600 Radom

e-mail: hsrpl2024@sitkrp.org.pl

Waldemar Fabirkiewicz

Mobile: + 48 607 885 540

HINT:

The entire conference will be simultaneously translated into English and Polish.

GENERAL CONFERENCE SCHEDULE

28.10.2024 MONDAY

Location: ŁÓDŹ MANUFAKTURA
Vienna House Andel's
ul. Ogrodowa 17, 91-065 Łódź

CONFERENCE GUEST REGISTRATION [60 min]
09:00 – 10:00

PLENARY SESSION [90 min]
10:00 – 11:30

10:00 – 10:05 Conference Guest welcome [05 min]

10:05 – 10:15 Conference opening [10 min]

Ph.D. Jacek Paś

Head of the Scientific and Programme Board,
Polish Association of Transport Engineers and Technicians National Board (SITK RP)
President

prof. D.Sc. Ph.D. Janusz Dyduch

Head of High Speed Railway Committee SITK RP
Polish Association of Transport Engineers and Technicians National Board
Honorary President / Casimir Pulaski Radom University

10:15 – 10:45 Conference opening speech [30 min]
Speeches under the substantive patronage of the Ministry of Infrastructure

Dariusz Klimczak

Minister of Infrastructure

Ph.D. Alan Beroud

International union of railways (UIC)
UIC Chairman

Dariusz Joński

European Parliament,
Committee on Transport and Tourism (TRAN)

10:45 – 11:30 Honorary Guest, Co-organizer Representatives and Conference Partners welcome speeches [45 min]

Honorary Guest, Co-organizer Representatives and Conference Partners

DISCUSSION PANEL 01 [90 min]
11:30 – 13:00

DISCUSSION PANEL UNDER THE PATRONAGE OF THE MINISTRY OF INFRASTRUCTURE

High Speed Railway for Poland

Moderator 1: **Ph.D. Jacek Paś**
Head of the Scientific and Programme Board,
Polish Association of Transport Engineers and Technicians National Board (SITK RP)
President

Moderator 2: **Ph.D. Jakub Majewski**
Foundation „Pro Kolej”
President of the Management Board

PKP Polskie Linie Kolejowe SA
Head of the Supervisory Board at the PKP Polskie Linie Kolejowe SA

11:30 – 11:45 Discussion Panel opening speech [15 min]

Piotr Malepszak
Ministry of Infrastructure
Undersecretary of State at the Ministry of Infrastructure of Poland

11:45 – 13:00 Discussion Panel [75 min]

Discussion Panel Participants:

1. **Piotr Malepszak**
Ministry of Infrastructure
Undersecretary of State at the Ministry of Infrastructure of Poland

2. **Ph.D. Alan Beroud**
Polskie Koleje Państwowe SA (PKP SA)
President of the Polskie Koleje Państwowe S.A

3. **Kristian Schmidt**
European Union European Commission
Directorate-General for Mobility and Transport (DG MOVE)
Director Land Transport
/ remote /

4. **Francois Davenne**
International union of railways (UIC)
Director General

5. **Dr Alberto Mazzola**
Community of European Railways and Infrastructure Managers (CER)
Executive Director

6. **Enno Wiebe**
Union des Industries Ferroviaires Européennes (UNIFE)
Director General

LUNCH / NETWORKING
13:00 – 14:00

[60 min]

DISCUSSION PANEL 02
14:00 – 15:30

[90 min]

DISCUSSION PANEL UNDER THE PATRONAGE OF THE CENTRALNY PORT KOMUNIKACYJNY

PKP PLK and CPK investments are an opportunity for the development of Łódź and Central Poland

Moderator 1: **Zbigniew Szafrński**
Centralny Port Komunikacyjny Sp. z o.o.
Head of the Supervisory Board at Centralny Port Komunikacyjny

Moderator 2: **Ph.D. Wawrzyniec Wychowański**
Polish Association of Transport Engineers and Technicians National Board
General Secretary

14:00 – 14:15 Discussion Panel opening speech [15 min]

WHY DO ŁÓDŹ HAVE AN UNDERGROUND RAILWAY STATION AND TUNNELS UNDER THE CITY CENTER?

Zbigniew Szafrński

Centralny Port Komunikacyjny Sp. z o.o.

Head of the Supervisory Board at Centralny Port Komunikacyjny Sp. z o.o.

14:15 – 15:30 Discussion Panel [75 min]

Discussion Panel Participants:

1. Piotr Rachwałski

Centralny Port Komunikacyjny Sp. z o.o.

Member of the Management Board

2. Adam Pustelnik

Urząd Miasta Łodzi

I Vice-president City of Lodz

3. Ph.D. Maciej Kaczorek

PKP Polskie Linie Kolejowe SA

Member of the Management Board

4. Maciej Sobieraj

Łódzka Kolej Aglomeracyjna Sp. z o.o.

President of the Management Board

5. D.Sc. Ph.D. Michał Wolański prof. SGH

SGH Warsaw School of Economics, Department of Infrastructure and

Mobility Studies, Head of the Institute of the Infrastructure, Transport and

Mobility SGH

COFFEE BREAK / NETWORKING

15:30 – 16:00

[30 min]

DISCUSSION PANEL 03
16:00 – 17:30

[90 min]

DISCUSSION PANEL UNDER THE PATRONAGE OF PKP POLSKIE LINIE KOLEJOWE SA.

The role of high speed rail as an element of the TEN-T network in the development of an integrated European railway system

Moderator 1: **dr inż. Mariusz Buława**
Polish Association of Transport Engineers and Technicians
Head of Cybersecurity Committee SITK RP

Voestalpine Signalling Poland Sp z o.o.
Managing Director, CEO

Moderator 2: **D.Sc. Ph.D. Andrzej Massel**
Railway Research Institute (IK)
Director of the Railway Research Institute

16:00 – 16:15 Discussion Panel opening speech [15 min]

Piotr Wyborski
PKP Polskie Linie Kolejowe SA (PKP PLK SA)
President of the PKP Polskie Linie Kolejowe SA

16:15 – 17:30 Discussion Panel [75 min]

Discussion Panel Participants:

- 1. Piotr Wyborski**
PKP Polskie Linie Kolejowe SA (PKP PLK SA)
President of the PKP Polskie Linie Kolejowe SA
- 2. Vytis Zalimas**
AB LTG Infra
LTG Infra Chief Executive Officer
- 3. Zbigniew Szafrński**
Centralny Port Komunikacyjny Sp. z o.o.
Head of the Supervisory Board at Centralny Port Komunikacyjny Sp. z o.o.
- 4. Marius Narmontas**
RB RAIL AS | RAIL BALTICA AS
Chief Operations Officer (COO)

5. **Dariusz Kowsar**
SNCF Réseau, France
Directeur Europe

6. **Radek Cech**
Správa Železnic, Republika Czeska
Director of International Affairs Department

COFFEE BREAK / NETWORKING
17:30 – 17:45

[15 min]

DISCUSSION PANEL 04
17:45 – 19:15

[90 min]

DISCUSSION PANEL UNDER THE PATRONAGE OF PKP POLSKIE KOLEJE PAŃSTOWE SA

Complementary services for the High Speed Rail system

Moderator 1: **Tomasz Lachowicz**
Head of Representative Office of PKP SA in Brussels
NATO TG IST Rail Coordinator / Senior Transport Advisor

Moderator 2: **Ph.D. Wawrzyniec Wychowański**
Polish Association of Transport Engineers and Technicians National Board
General Secretary

17:45 – 18:00 Discussion Panel opening speech [15 min]

Ph.D. Alan Beroud
Polskie Koleje Państwowe SA (PKP SA)
President of the Polskie Koleje Państwowe SA

18:00 – 19:15 Discussion Panel [75 min]

1. **Andrzej Bułczyński**
Polskie Koleje Państwowe SA (PKP SA)
Member of the Management Board

2. **Janusz Malinowski**
PKP Intercity SA
President & CEO

Krzysztof Krasowski *
PKP Intercity SA
Product and Scheduling Office Director

3. **Wojciech Dinges**
POLREGIO SA
Vice President of the Management Board

4. **Katarzyna Strzegowska**
Public Transport Authority in Warsaw (ZTM Warszawa)
Director

5. **Bartłomiej Zgorzelski**
City of Łódź, Social Plenipotentiary of the Mayor of Łódź for Supporting
Development and Entrepreneurship

6. **Artur Fryczkowski**
Polish Chamber of Railways
Member of the Supervisory

ALSTOM
Vice President Alstom in Poland
Commercial Director

7. **Cezary Lis**
Polish Association of Transport Engineers and Technicians National Board
High Speed Railway Committee SITK RP

HITACHI ENERGY
Transportation Segment Manager

8. **Krzysztof Zdziarski**
Łukasiewicz – Poznan Institute of Technology (PIT)
Institute Board Member

PESA BYDGOSZ SA
President of the Management Board, Managing Director

CONCLUSION OF THE FIRST DAY OF CONFERENCE
19:15 – 19:30

[15 min]

GALA DINNER / NETWORKING
20:15 – last Guests ... :-)

[:-) min]

Location: **MANUFAKTURA LODZ HOTEL ANDELS**
BALLROOM 3rd FLOOR
Vienna House Andel's Łódź
Ul. Ogrodowa 17, 91-065 Łódź, PL

>>> 2024/10/28 END OF THE 1ST DAY OF THE CONFERENCE HSR PL 2024 <<<

29.10.2024 TUESDAY

Location: ŁÓDŹ MANUFAKTURA
Vienna House Andel's Łódź
Ul. Ogrodowa 17, 91-065 Łódź

SESSION WITH PRESENTATIONS 01
09:00 – 10:30

[90 min]

INFRASTRUCTURE 01 – ENGINEERING STRUCTURES *(session with presentations)*

Moderator 1: **prof. D.Sc. Ph.D. Tomasz Siwowski**
Rzeszow University of Technology im. Ignacego Łukasiewicza
Faculty of Civil and Environmental Engineering and Architecture
Department of Roads and Bridges, Head of the Department

Moderator 2: **prof. D.Sc. Ph.D.. Marek Cała**
University of Science and Technology in Krakow
Faculty of Civil Engineering and Resource Management
Department of Civil & Geotechnical Engineering and Geomechanics

09:00 – 09:15 Presentation Centralny Port Komunikacyjny Sp. z o.o. **[15 min]**

**ENGINEERING STRUCTURES ALONG THE HIGH-SPEED RAIL LINES
IN POLAND**

Grzegorz Piotrowski
Centralny Port Komunikacyjny Sp. z o.o.
Railway Division Director

09:15 – 09:30 Presentation Railway Research Institute **[15 min]**

HSR RAILWAY TUNNELS IN CPK RAILWAY STANDARDS

Ph.D. Jolanta Radziszewska-Wolinska, prof. IK
Railway Research Institute
Materials & Structure Laboratory
Head of the Materials & Structure Laboratory

Adrian Kazimierczak
Railway Research Institute
Materials & Structure Laboratory
Expert

09:30 – 09:45 Presentation BUDIMEX SA [15 min]

BUDIMEX HIGH SPEED RAILWAY READINESS FOR END TO END
CIVIL ENGINEERING PROJECTS

Piotr Wawrzycski
BUDIMEX SA
Railway Construction Department
Region 3 Director

09:45 – 10:00 Presentation PORR SA [15 min]

PORR'S EXPERIENCE IN THE CONSTRUCTION OF HIGH-SPEED RAILWAY
TUNNELS AND MODERN BALLASTLESS SURFACE TECHNOLOGIES
(PORR SLAB TRACK)

Wojciech Nowak
PORR SA
Head of Tunneling Department in PORR SA

Michał Kościelniak
PORR SA
Regional Director in Railway Department

10:00 – 10:15 Presentation GÜLERMAK [15 min]

GÜLERMAK: EXPERIENCES IN HIGH SPEED LINES AND RAILWAY
TUNNELS

Dawid Gumiński
GÜLERMAK
METRO LINE II in Warsaw Deputy Project Manager
Technical Manager

10:15 – 10:30 Presentation KELLER Polska Sp. z o.o. [15 min]

RAILROAD NETWORK CONSTRUCTION- GEOTECHNICAL SOLUTIONS.
CHALLENGES AND OPPORTUNITIES

Artur Gaszewski
Keller Polska Sp. z o.o.
Managing Director, Member of the Management Board of Keller

COFFEE BREAK / NETWORKING [30 min]
10:30 – 11:00

SESSION WITH PRESENTATIONS 02
11:00 – 13:00

[120 min]

INFRASTRUCTURE 02 – RAILWAY ROAD
(session with presentations)

- Moderator 1: **Ph.D. Jacek Paś**
Head of the Scientific and Programme Board,
Polish Association of Transport Engineers and Technicians National Board
President
- Moderator 2: **Tomasz Szuba**
Polish Association of Transport Engineers and Technicians National Board
Vice-President of High Speed Railway Committee SITK RP for Civil Engineering
- 11:00 – 11:15 Presentation Centralny Port Komunikacyjny Sp. z o.o. [15 min]

RAILROAD INFRASTRUCTURE IN HIGH-SPEED RAIL SYSTEMS

Michał Kazimierczak
Centralny Port Komunikacyjny Sp. z o.o.
Deputy Director for Railway Design Department | Railway Subprogramme
Strategy & Planning, Design & Engineering Department
- 11:15 – 11:30 Presentation PKP Polskie Linie Kolejowe SA [15 min]

EFFECTIVE MAINTENANCE OF THE INFRASTRUCTURE SUBSYSTEM

Grzegorz Stencel
PKP Polskie Linie Kolejowe SA
Railway Roads Department, Deputy Director of the Railway Roads
Office for Standardization and Regulations
- 11:30 – 11:45 Presentation Railway Research Institute [15 min]

HSR PERMANENT WAY IN CPK HSR STANDARDS

Krzysztof Ochocinski
Railway Research Institute
Railway Track and Operation Department
Head of the Department

Iwona Nowosinska
Railway Research Institute
Railway Track and Operation Department
Expert

- 11:45 – 12:00 **Presentation TINES RAIL SA** [15 min]
- TRACK SUPERSTRUCTURE SOLUTIONS FOR HIGH SPEED RAIL
- Michał Rybacki**
TINES RAIL SA
Implementation and Innovation Manager
- 12:00 – 12:15 **Presentation voestalpine Railway Systems** [15 min]
- HIGH SPEED TURNOUT SYSTEM
- Burkhard Zillien**
Voestalpine Turnout Technology Germany
Head of Product Management Competence Centre Highspeed
- 12:15 – 12:30 **Presentation HERRENKNECHT AG** [15 min]
- HIGH SPEED RAILWAY TUNNELS IN EUROPE
APPROPRIATE SELECTION OF TBM TECHNOLOGY IN HIGHLY
URBANIZED AREA
- Dymitr Petrow-Ganew**
HERRENKNECHT AG
Area Sales Manager CEE Region at Herrenknecht AG
- 12:30 – 12:45 **Presentation voestalpine Railway Systems** [15 min]
- HIGH SPEED TRACK SYSTEM – MODERN RAILS AND FASTENINGS
- Anna Baruchovych**
voestalpine Rail Technology GmbH
Product Manager
- Robert Demal**
voestalpine Railway Systems GmbH
Head of R&D Fixations
- 12:30 – 12:45 **Presentation SYSTRA ITALY** [15 min]
- SYSTRA ITALY – EXCELLENCE IN UNDERGROUND RAILWAY
SOLUTIONS
- Emiliano Nuzzo**
Systra S.p.A.
Project Managers Lead

LUNCH / NETWORKING
13:00 – 13:30

[30 min]

SESSION WITH PRESENTATIONS 03
13:30 – 15:45

[135 min]

**WHOLE LINE SYSTEMS 01 – TRAIN TRAFFIC MANAGEMENT AND CONTROL SYSTEMS AND
TRAIN TO GROUND TRANSMISSION SYSTEMS**
(session with presentations)

Moderator 1: **D.Sc. Ph.D. Marek Pawlik, prof. IK**
Railway Research Institute (IK)
Vice-Director of Railway Research Institute, Head of Interoperability Division

Moderator 2: **Ph.D. Sławomir Jasiński**
Polish Association of Transport Engineers and Technicians National Board
Vice-President of High Speed Railway Committee SITK RP for
Control Systems

13:30 – 13:45 Presentation Centralny Port Komunikacyjny Sp. z o.o. [15 min]

SIGNALING SYSTEM FOR HIGH-SPEED RAIL IN POLAND

Mateusz Malinowski
Centralny Port Komunikacyjny Sp. z o.o., Design & Engineering Department,
Deputy Director for „CCS” and „Energy” subsystems

13:45 – 14:00 Presentation PKP Polskie Linie Kolejowe SA [15 min]

TRAIN TRAFFIC MANAGEMENT UNDER ETCS SYSTEM ON HIGH SPEED
LINES – LEGAL RELATED ASPECTS

Ph.D. Piotr Wulgaris
PKP Polskie Linie Kolejowe SA
Head of the Signalling Department

14:00 – 14:15 Presentation Railway Research Institute [15 min]

HSR CONTROL COMMAND AND SIGNALLING IN CPK RAILWAY
STANDARDS

D.Sc. Ph.D. Andrzej Toruń, prof. IK
Railway Research Institute
Railway Traffic Control and Telecom Department
Head of the Department

Pawel Gradowski

Railway Research Institute
Railway Traffic Control and Telecom Department
Expert

14:15 – 14:30 Presentation Railway Research Institute [15 min]

HSR COMMUNICATION AND TELE-TECHNOLOGY IN CPK RAILWAY STANDARDS

Ph.D. Marek Sumiła

Railway Research Institute
Signalling and Telecommunication Laboratory
Head of the Laboratory

Krzysztof Tchórzewski

Railway Research Institute
Signalling and Telecommunication Laboratory
Expert

14:30 – 14:45 Presentation Hitachi Rail GTS Polska Sp. o.o. [15 min]

TIME, MONEY, SAFETY – A NEW APPROACH TO TENDERS FOR THE TRAIN TRAFFIC CONTROL SYSTEMS

Tomasz Pałaszewski

Hitachi Rail GTS Polska Sp. o.o.
Key Account Manager

14:45 – 15:00 Presentation voestalpine Railway Systems [15 min]

TURNOUT SYSTEM IN DIGITAL RAILWAYS

Ph.D. Mariusz Buława

voestalpine Signaling Poland Sp. z o.o.
Managing Director, CEO

15:00 – 15:15 Presentation ALSTOM [15 min]

ON SITE EXPERIENCES AND SOLUTIONS FOR HIGH SPEED RAILWAY

Adam Juretko

ALSTOM
Managing Director at Alstom Katowice,
Digital and Integrated Systems CEE Central w Alstom

15:15 – 15:30 Presentation KOMBUD GROUP SA [15 min]

TRAIN TRAFFIC CONTROL LINEAR SYSTEMS INTERFACE

Konrad Bartosiak
KOMBUD GROUP SA
Project Coordinator – CCS Systems

Anna Górna
KOMBUD GROUP SA
Project Coordinator – CCS Systems

15:30 – 15:45 Presentation AZD PRAHA s.r.o. [15 min]

ADVANCED TMS SOLUTIONS – FIELD EXPERIENCE AND POTENTIAL
FOR THE KDP SYSTEM

Ing. Michał Matowicki, Ph.D.
AZD PRAHA s.r.o.
System engineer, Cluster Leader for Autonomous Railway

COFFEE BREAK / NETWORKING [15 min]
15:45 – 16:00

SESSION WITH PRESENTATIONS 04 [105 min]
16:00 – 17:15

**WHOLE LINE SYSTEMS 02 – TRACTION ANALYSIS, TRACTION POWER SUPPLY
AND OVERHEAD LINE SYSTEM**
(session with presentations)

session under general patronate of
HITACHI ENERGY POLAND SP. Z O.O.

Moderator 1: **prof. D.Sc. Ph.D. Adam Szeląg**
Warsaw University of Technology, Institute of Electrical Power Engineering,
Traction and Electrical Power, Engineering Economy Division

Moderator 2: **Ph.D. Wawrzyniec Wychowański**
Polish Association of Transport Engineers and Technicians National Board
General Secretary

- 16:00 – 16:15 Presentation Centralny Port Komunikacyjny Sp. z o.o. [15 min]

2x25 KV TRACTION POWER SUPPLY FOR HIGH-SPEED RAIL IN POLAND

Mateusz Malinowski
Centralny Port Komunikacyjny Sp. z o.o., Design & Engineering Department,
Deputy Director for „CCS” and „Energy” subsystems
- 16:15 – 16:30 Presentation PKP Polskie Linie Kolejowe SA [15 min]

PKP POLSKIE LINIE KOLEJOWE S.A. ACTIVITIES IN THE SCOPE OF
IMPLEMENTATION OF AC BASED TRACTION
POWER SUPPLY SYSTEM

Radosław Burak-Romanowski
PKP Polskie Linie Kolejowe SA
Head of the Energy Department
- 16:30 – 16:45 Presentation Railway Research Institute [15 min]

HSR TRACTION POWER SUPPLY IN CPK RAILWAY STANDARDS

Ph.D. Artur Rojek
Railway Research Institute
Electric Power Department
Head of the Department

prof. D.Sc. Ph.D. Valeriy Kuznetsov
Railway Research Institute
Electric Power Department
Expert
- 16:45 – 17:00 Presentation Hitachi Energy Poland Sp. z o.o. [15 min]

TRANSFORMER AS AN ESSENTIAL COMPONENT OF ANY
POWER SYSTEM

Eligiusz Hasiak
Hitachi Energy Poland Sp. z o.o.
Market Manager

Robert Szejn
Hitachi Energy Poland Sp. z o.o.
Area Sales Manager

- 17:00 – 17:15 Presentation 05 SIEMENS ENERGY Sp z o.o. [15 min]
- TURN KEY PROJECT HV/MV SUBSTATION WITH SF6 FREE SOLUTION
- Bartłomiej Mazurek**
SIEMENS ENERGY Sp z o.o.
Business Unit Manager
- 17:00 – 17:15 Presentation KOLEN Sp. z o.o. [15 min]
- SEPARATION BETWEEN EARTHING SYSTEMS BETWEEN TRACTION
(DC AND AC) AND PUBLIC ELECTRICITY DISTRIBUTION NETWORK.
- Zygmunt Kulhawik**
KOLEN Sp. z o.o.
President of the Management Board, Managing Director
- 17:15 – 17:30 Presentation Warsaw University of Technology Faculty of Electrical
Engineering [15 min]
- SELECTED ASPECTS OD HIGH-SPEED RAILWAY CATENARY
- dr hab. inż. Tadeusz Maciołek, prof. PW**
Warsaw University of Technology, Faculty of Energy Engineering

COFFEE BREAK / NETWORKING [30 min]
17:30 – 18:00

SESSION WITH PRESENTATIONS 05 [90 min]
18:00 – 19:30

ENVIRONMENTAL, ORGANIZATIONAL AND LEGAL ASPECTS FOR THE IMPLEMENTATION
OF A HIGH-SPEED RAIL SYSTEM IN POLAND
(session with presentations)

session under general patronate of
THE PUBLIC PROCUREMENT LAW ASSOCIATION (SPZP)

Moderator 1: **prof. D.Sc. Ph.D. Juliusz Engelhardt**
Polish Association of Transport Engineers and Technicians National Board
Vice-President of High Speed Railway Committee SITK RP

- Moderator 2: **dr hab. Janusz Bohatkiewicz, prof. PK**
Road and Bridge Research Institute, Institute Director,
Cracow University of Technology
Katedra Dróg, Kolei i Inżynierii Ruchu
- 18:00 – 18:15 Presentation Public Procurement Law Association (SPZP) [15 min]
ACCESS OF NON-EU CONTRACTORS TO TENDERS IN POLAND AND THE OBLIGATION TO CHECK FOREIGN SUBSIDIES IN PUBLIC PROCUREMENT - PRACTICAL ISSUES
Aldona Kowalczyk
Partner at Dentons,
Public Procurement Law Association;
- 18:15 – 18:30 Presentation Public Procurement Law Association (SPZP) [15 min]
THE STRUCTURE OF PARTICIPATION IN THE PROCEDURE IN THE CONTEXT OF OPTIMAL USE OF THE EXPERIENCE AND RESOURCES OF FOREIGN CONTRACTORS.
Tomasz Michalczyk
Partner at DZP, Public Procurement Law Association
- 18:30 – 18:45 Presentation Public Procurement Law Association (SPZP) [15 min]
MISLEADING THE CONTRACTING AUTHORITY VS. EXCLUSION FROM THE PROCEEDINGS. INFRASTRUCTURE TENDERS.
Piotr Trębicki,
partner at Trębicki Hołowińska Law Firm,
Public Procurement Law Association
- 18:45 – 19:00 Presentation Polish Office of Rail Transport (UTK) [15 min]
SAFETY IN HIGH SPEED RAILWAY SYSTEM IN POLAND
Joanna Krzysztofiak
Polish Office of Rail Transport (UTK)
Head of the Technics and Products Department

- 19:00 – 19:15 Presentation Centralny Port Komunikacyjny Sp. z o.o. [15 min]
- ENVIRONMENTAL ASPECTS OF IMPLEMENTING THE HIGH-SPEED RAIL SYSTEM IN POLAND
- Michał Boczula**
Centralny Port Komunikacyjny Sp. z o.o.
Team Leader / Railway Designer
- 19:15 – 19:30 Presentation PKP Polskie Linie Kolejowe SA [15 min]
- ENVIRONMENTAL ASPECTS IN THE PREPARATION AND IMPLEMENTATION OF RAILWAY INVESTMENTS – SELECTED ASPECTS
- Ewa Makosz**
PKP Polskie Linie Kolejowe SA
Head of the Environment Protection Department
- 19:30 – 19:45 Presentation Railway Research Institute [15 min]
- INTEROPERABILITY, INTRAOPERABILITY, AND SAFETY OF THE HSR IN ACCORDANCE WITH CPK RAILWAY STANDARDS
- D.Sc. Ph.D. Marek Pawlik, prof. IK**
Railway Research Institute (IK)
Vice-Director of Railway Research Institute, Head of Interoperability Division
- 19:45 – 20:00 Presentation Casimir Pulaski Radom University [15 min]
- HIGH SPEED RAILWAY RESEARCH LABORATORY
- prof. D.Sc. Ph.D. Janusz Dyduch**
Head of High Speed Railway Committee SITK RP
Polish Association of Transport Engineers and Technicians National Board
Honorary President / Casimir Pulaski Radom University
- D.Sc. Ph.D. Tomasz Perzyński, prof. U Rad**
Casimir Pulaski Radom University,
Faculty of Transport Electrotechnics and Informatics (WTEiI)
Dean of the Faculty

CASUAL FRIENDS DINNER / NETWORKING
20:15 – last guests ... :-)

[... :-) min]

Location: **RESTAURANT HOTEL ANDELS**
Ogrodowa 17
00-667 Łódź

>>> 2024/10/29 END OF THE 2nd DAY OF THE CONFERENCE HSR PL 2024

30.10.2024 WEDNESDAY

Location: ŁÓDŹ MANUFAKTURA
Vienna House Andel's Łódź
Ul. Ogrodowa 17, 91-065 Łódź

SESSION WITH PRESENTATIONS 01 09:00 – 10:30

[90 min]

ROLLING STOCK 01 – HIGH SPEED RAILWAY AND THE COMPLEMENTARY TRANSPORT *(session with presentations)*

Moderator 1: **prof. dr hab. inż. Marek Stanisław Sitarz**
WSB University
Head of the Transport and Informatics Department

Moderator 2: **dr hab. inż. Piotr Kisielewski prof. PK**
Cracow University of Technology
Rolling Stock and Transport Department

09:00 – 09:15 Presentation Centralny Port Komunikacyjny Sp. z o.o. [30 min]

HORIZONTAL TIMETABLE AS A TOOL FOR DETERMINING ROLLING STOCK REQUIREMENTS FOR HIGH-SPEED RAIL

Michał Jasiak
Centralny Port Komunikacyjny Sp. z o.o.
p.o. Dyrektora Biura, Pion Kolejowy, Biuro KPR

09:15 – 09:30 Presentation Cracow University of Technology [15 min]

HIGH SPEED RAILWAYS – GLOBAL TRENDS AND POLISH PERSPECTIVE

dr hab. inż. Piotr Kisielewski prof. PK
Cracow University of Technology
Rolling Stock and Transport Department

09:30 – 09:45 Presentation PKP INTERCITY SA [15 min]

LACK OF ROLLING STOCK OR TOO SPARSE SCHEDULE? CYCLIC
TIMETABLE VS ROLLING STOCK DEMAND ON THE EXAMPLE OF
2024/25 TIMETABLE

Krzysztof Krasowski
PKP Intercity SA
Product and Scheduling Office Director

09:45 – 10:00 Presentation Centralny Port Komunikacyjny [15 min]

COMPETITION IN FOREIGN MARKETS AND ITS IMPACT ON THE PROCESS
OF PLANNING THE HORIZONTAL TIMETABLE

Bartosz Morga
Centralny Port Komunikacyjny
Senior Specialist in Transport Infrastructure Planning

10:00 – 10:15 Presentation Łódzka Kolej Aglomeracyjna Sp. z o.o. [15 min]

LODZ FABRYCZNA HUB as an important element of the development
strategy for ŁKA passenger services in the Łódź agglomeration

Maciej Sobieraj
Łódzka Kolej Aglomeracyjna Sp. z o.o.
President of the Management Board

10:15 – 10:30 Presentation Centralny Port Komunikacyjny [15 min]

INTEGRATED RAILWAY NETWORK

Paweł Pokora
Centralny Port Komunikacyjny
Coordinator for Operational and Operational Analysis

COFFEE BREAK / NETWORKING [15 min]
10:30 – 10:45

SESSION WITH PRESENTATIONS 02
10:45 – 12:45

[120 min]

ROLLING STOCK 02 – HIGH SPEED RAILWAY TRAINS AND TRAINBORNE SYSTEMS
(session with presentations)

- Moderator 1: **dr hab. inż. Jacek Wesołowski**
Lodz University of Technology
Faculty of Civil Engineering, Architecture and
Environmental Engineering
- Moderator 2: **D.Sc. Ph.D. Andrzej Toruń, prof. IK**
Railway Research Institute
Railway Traffic Control and Telecom Department
Head of the Department
- 10:45 – 11:15 Presentation Centralny Port Komunikacyjny Sp. z o.o. [30 min]

MODEL FOR PROVIDING PASSENGER ROLLING STOCK FOR
OPERATIONS ON THE NETWORK EXPANDED WITH NEW LINES (“Y”)

Wojciech Punczewicz
Centralny Port Komunikacyjny Sp. z o.o.
Senior Project Manager / Biuro Strategii i Analiz Programu
- 11:15 – 11:30 Presentation Railway Research Institute [15 min]

COMPATIBILITY OF THE HSR ROLLING STOCK WITH
INFRASTRUCTURE DEFINED BY CPK RAILWAY STANDARDS

Piotr Chyliński
Railway Research Institute
Rolling Stock Testing Laboratory
Expert

Andrzej Zbieć
Railway Research Institute
Rolling Stock Testing Laboratory
Expert

- 11:30 – 11:45 **Presentation PESA Bydgoszcz SA** [15 min]
- SYNERGY OF PESA BYDGOSZCZ S.A. AND TALGO EXPERIENCES IN DEVELOPING INNOVATIVE SOLUTIONS FOR HIGH-SPEED ROLLING STOCK READINESS PROGRAMME IN THE THREE SEAS REGION
- Bartosz Antkowiak**
PESA Bydgoszcz SA
Director of Architecture, Systems and Control Department
- 11:45 – 12:00 **Presentation Hitachi Europe Ltd** [15 min]
- HITACHI'S GLOBAL EXPERIENCE IN HSR AREA
- Paweł Seluk**
Hitachi Europe Ltd.
Head of Mobility and Rail Solutions
- 12:00 – 12:15 **Presentation ALSTOM** [15 min]
- 10 YEARS OF PENDOLINO IN POLAND AND THE DEVELOPMENT OF HS PRODUCTS IN THE WORLD
- Jarosław Zych**
ALSTOM
High Speed Railway Expert at ALSTOM
- 12:15 – 12:30 **Presentation NEWAG GROUP** [15 min]
- NEWAG H250+
CONCEPT OF THE POLISH HIGH SPEED TRAIN
- Maciej Górowski**
GRUPA NEWAG
- Łukasz Nowak**
GRUPA NEWAG
- 12:30 – 12:45 **Presentation HADATAP Sp. z o.o.** [15 min]
- RFID TECHNOLOGY USE IN THE HIGH SPEED RAILWAY SYSTEM
- dr inż. Leszek Winształ**
HADATAP Sp. z o.o.
RFID Project Manager

LUNCH / NETWORKING
12:45 – 13:30

[45 min]

TECHNICAL TRIP ...
13:30 – ... till the last participant ... :-)

TECHNICAL TRIP

under substantive patronate of
KELLER POLSKA Sp. z o.o.

(the technical tour starts at the main lobby of the Andels Hotel)

HSR PL 2024 ŁÓDŹ
END OF THE CONFERENCE

GENERAL CONFERENCE PARTNER

HITACHI
Inspire the Next

voestalpine
ONE STEP AHEAD.

GOLD + CONFERENCE PARTNER

ALSTOM

 **KOMBUD GROUP**

 **pesa**

GOLD CONFERENCE PARTNER



PARTNERZY KONFERENCJI



Elektroline



SIEMENS
ENERGY

DESIGN FIELD PATROANAGE



MEDIA PATRONAGE



HONORARY PATRONAGE



**Ministerstwo
Infrastruktury**



**MARSZAŁEK
WOJEWÓDZTWA ŁÓDZKIEGO**

Joanna Skrzydlewska



Marszałek
Województwa
Mazowieckiego



PREZYDENT MIASTA ŁODZI

HANNA ZDANOWSKA

HONORARY PATRONAGE



SUBSTANTIVE PATRONAGE



PKP POLSKIE LINIE KOLEJOWE S.A.

Zarządca narodowej sieci linii kolejowych



**CENTRALNY PORT
KOMUNIKACYJNY**

