**IT/OT in Rail Transport
2025**

VII Scientific and Technological Conference

IT/OT in Rail Transport 2025

Warsaw, June 23-24, 2025

conference materials

**Polish Association of Transport
Engineers & Technicians**

IK INSTYTUT KOLEJNICTWA

LAT BADAŃ W POLSKIM
KOLEJNICTWIE

HONORARY PATRONAGE

Marshal of the Mazowieckie Voivodeship
Ministry of Infrastructure
Ministry of Digital Affairs
Office of Rail Transport (UTK)
PKP Polskie Koleje Państwowe SA (PKP PLK SA)
Public Transport Authority in Warsaw (ZTM Warszawa)

CONFERENCE PARTNERSHIP

Regional Council of the Masovian Voivodeship

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

Ph.D. Ignacy Góra
Polish Office of Rail Transport (UTK)
President

prof. D.Sc. Ph.D. Andrzej Szarata
Cracow University of Technology
JM Rector of the Cracow University of Technology

prof. D.Sc. Ph.D. Marianna Jacyna
Warsaw University of Technology, Faculty of Transport
Dean of WUT Faculty of Transport

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,

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

Ph.D. Marek Sumiła
Railway Research Institute, Signalling and Telecommunication Laboratory
Head of the Laboratory

Ph.D. Maciej Kaczorek
Polish Association of Transport Engineers and Technicians National Board (SITK RP)
Head of the National Railway Committee SITK RP

Ph.D. Piotr Wulgaris
Polish Association of Transport Engineers and Technicians National Board (SITK RP)
President of SITK RP Branch Gdansk

Ph.D. Mariusz Buława
Polish Association of Transport Engineers and Technicians National Board (SITK RP)
Head of the National Cybersecurity Committee SITK RP

Bartosz Antkowiak
Polish Association of Transport Engineers and Technicians National Board (SITK RP)
SITK RP Branch Bydgoszcz, High Speed Railway Committee SITK RP

ORGANIZING COMMITTEE

Ph.D. Wawrzyniec Wychowański
Head of the Organizing Committee
Polish Association of Transport Engineers and Technicians National Board
General Secretary

Dorota Adamska
Railway Research Institute
Deputy Head of the Management office

Paweł Gradowski
Railway Research Institute
Head of the SITK association in Railway Research Institute

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
ITOT2025 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, Head of National information and promotion committee SITK RP

Katarzyna Kucharek
Polish Association of Transport Engineers and Technicians
SITK RP Warsaw Branch, National information and promotion committee SITK RP

Jacek Poniewierski
Polish Association of Transport Engineers and Technicians
SITK RP Warsaw Branch, National information and promotion committee SITK RP

Wiesława Barańska
Polish Association of Transport Engineers and Technicians
SITK RP Warsaw Branch, Railway National Committee SITK RP

MAIN CONFERENCE OBJECTIVES

Crucial topics of the IT/OT in Rail Transport 2025 conference:

− Digital railway system;

− Train traffic control and train traffic management process automation;

− Cybersecurity of the railway system;

− Agglomeration, Urban and Light Rail Transport systems,

− Railway Infrastructure;

− Infrastruktura systemu kolejowego;

− Rolling stock;

− Train to ground transmission system

The main objectives of the ITOT 2025 conference Warsaw are listed below:

− Knowledge building about the relationship between IT systems and OT systems for both infrastructure and rolling stock;

− Discussion of the latest solutions and presentation of current trends in the field of automation of the control and traffic management process of rail vehicles;

− Description of the risk for digital systems dedicated to rail transport, which is generated by cyberspace;

− Presentation of potential and discussion of implemented actions to ensure railway cybersecurity;

− Presentation of development directions in the area of design, construction, implementation and operation of digital systems intended for the railway industry;

− Construction of a platform for the presentation of technical knowledge and experience in the implementation of IT systems on the railway and the technical, organizational and legal conditions of this process;

− Discussion of the elements of a unified strategy for the development of railway transport in Poland, with particular emphasis on the systemic connection of regional transport (intercity) with agglomeration rail transport in a holistic approach (End to End services from the passenger's perspective);

− Organization of space for the exchange of technical knowledge and experience between domestic and foreign companies and the scientific community;

− 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 rail transport in Poland.

SUBMISSION OF THE CONFERENCE MATERIALS

Presentations should be sent to the organizers by   22.06.2025 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 89 1160 2202 0000 0005 8671 8834

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

Conference participation cost:

3000,00 PLN NET + 23% VAT   whole conference participation,
                                       with self-accommodation
1800,00 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 technical Universities;

is agreed at the level of:

2000,00 PLN NET + 23% VAT   whole conference participation,
                                       with self-accommodation
1300,00 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: itot2025@sitkrp.org.pl by the 22.06.2025 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 WARSAW

e-mail: hsrpl2024@sitkrp.org.pl

Ewa Wojdyńska / ITOT 2025 Project Manager
Mobile: + 48 692 556 037

EN Language Conference Contact:
SITK RP National Board
e-mail: itot2025@sitkrp.org.pl

Wawrzyniec Wychowański
Mobile: + 48 505 787 221

HINT:
The entire conference will be simultaneously translated into English and Polish

GENERAL CONFERENCE SHEDULE _____

23.06.2025 MONDAY

Location: Warszawski Dom Technika NOT
                             Sala A, III floor
                             ul. Czackiego 3/5, 00-043 WARSAW, PL

CONFERENCE GUEST REGISTRATION   [90 min]
10:00 – 11:30

PLENARY SESSION   [90 min]
11:30 – 13:00

11:30 – 11:35   Conference Guest Welcome   [05 min]

dr inż. Wawrzyniec Wychowański
Head of the Organizing Committee
Polish Association of Transport Engineers and Technicians National Board
General Secretary

11:35 – 11:45   Conference opening   [10 min]

dr inż. Jacek Paś
Head of the Scientific and Programme Board
Polish Association of Transport Engineers and Technicians National Board (SITK RP)
President

dr hab. inż. Andrzej Massel
Railway Research Institute (IK)
Director of the Railway Research Institute

11:45 – 12:30   Conference opening speech   [45 min]

dr inż. Ignacy Góra
Polish Office of Rail Transport (UTK)
President

dr inż. Alan Beroud*
Polskie Koleje Państwowe SA
President

International union of railways (UIC)
UIC Chairman

dr inż. Maciej Kaczorek
Polish Association of Transport Engineers and Technicians National Board
(SITK RP) Head of the National Railway Committee SITK RP

THE IMPACT OF QUANTUM TECHNOLOGIES ON SECURITY
CRITICAL INFRASTRUCTURE

Brig. Gen. Włodzimierz Nowak
Military University of Technology named after Jarosław Dąbrowski
Institute of Optoelectronics

12:30 – 13:00   Honorary Guest, Co-organizer Representatives and Conference Partners
welcome speeches   [30 min]

DISCUSSION PANEL 01   **[90 min]**
13:00 – 14:30

DEVELOPMENT OF RAIL TRANSPORT SYSTEMS IN POLAND
AGGLOMERATION RAIL TRANSPORT IN THE POLISH RAILWAY SYSTEM; TRAFFIC AND AUTONOMOUS
VEHICLES; CYBERSECURITY

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

Moderator 2:   **dr inż. Wawrzyniec Wychowański**
Head of the Organizing Committee
Polish Association of Transport Engineers and Technicians National Board
General Secretary

13:00 – 13:15   Discussion Panel opening speech   [15 min]

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

13:15 – 13:30   Discussion Panel opening speech   [15 min]

Maciej Sztampke
PKP Informatyka Sp. z o.o.
Director of the Strategy Office

13:30 – 14:30   Dsicussion Panel 01   [60 min]

Discussion Panel Participants:

1. **dr inż. Ignacy Góra**
    Polish Office of Rail Transport (UTK)
    President

2. **dr inż. Alan Beroud***
    Polskie Koleje Państwowe SA (PKP SA)
    President of the Polskie Koleje Państwowe SA

3. **Robert Milewski**
    PKP Informatyka Sp. z o.o.
    Management Board Representative for OT and AI Development

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

5. **Piotr Rachwalski**
    Centralny Port Komunikacyjny Sp. z o.o.
    Member of the Management Board

6. **Paweł Dobosz**
    PKP Polskie Linie Kolejowe S.A.
    Director, Management Board Representative for Telecommunications
    and Communications

7. **Paweł Przyżycki**
    HITACHI RAIL GTS POLSKA Sp. z o.o.
    Chief Executive Officer

8. **dr hab. inż. Andrzej Massel**
    Railway Research Institute (IK)
    Director of the Railway Research Institute

LUNCH / NETWORKING   **[60 min]**
14:30 – 15:30

DISCUSSION PANEL 02   **[90 min]**
15:30 – 17:00

TRAFFIC AND AUTONOMOUS VEHICLES AND CYBERSECURITY
IN RAIL TRANSPORT.
SYSTEMS AND DEVICES AT RAILWAY STATIONS AND LINES

Moderator 1:   **dr hab. inż. Andrzej Massel**
                 Railway Research Institute (IK)
                 Director of the Railway Research Institute

Moderator 2:   **dr inż. Mariusz Buława**
Polish Association of Transport Engineers and Technicians
Head of Cybersecurity National Committee SITK RP
Voestalpine Signalling Poland Sp z o.o. Managing Director, CEO

15:30 – 16:00   Cybersecurity National Committee SITK RP
Inaugural speech   [30 min]

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

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

Mirko Blazic
EULYNX Consortium Office
Technical Lead

16:00 – 17:00   Discussion Panel 02   [60 min]

Discussion Panel Participants:

1. **Mirko Blazic**
    EULYNX Consortium Office
    Technical Lead

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

3. **Piotr Piotrowski**
    HITACHI RAIL GTS POLSKA Sp. z o.o.
    Chief Technical Officer/Solution Engineering Director GTS Poland

4. **Maximilian Veenstra**
    BUREAU VERITAS GROUP
    Senior Manager New Markets Cybersecurity

5. **Zuzanna Wieczorek**
    TEKNISKA
    President of the Management Board

6. **Michele GENUALDO**
    ALSTOM
    Cybersecurity Director for Central and Eastern Europe and Italy
    Digital and Integrated System

7. **Adam Szymankiewicz**
    SIEMENS MOBILITY Sp. z o.o.
    Director of Railway Infrastructure

8. **Bartłomiej Głuch**
    KOMBUD GROUP S.A.
    Member of the Management Board for IT Systems

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

DISCUSSION PANEL 03   **[90 min]**
17:30 – 19:00

TRAFFIC AND AUTONOMOUS VEHICLES AND CYBERSECURITY
IN RAIL TRANSPORT. RAILWAY VEHICLES AND ON-BOARD SYSTEMS

Moderator: **dr hab. inż. Marek Pawlik, prof. IK**
                    Railway Research Institute (IK)
                    Vice-Director of Railway Research Institute, Head of Interoperability Division

17:30 – 17:45   Discussion Panel opening speech   **[15 min]**

                    NAVIGATING CYBERSECURITY IN RAILWAY - SAFEGUARDING AUTOMATION
                    IN THE RAILWAY EVOLUTION

                    Maximilian Veenstra
                    BUREAU VERITAS GROUP
                    Senior Manager New Markets Cybersecurity

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

                    dr hab. inż. Marek Pawlik, prof. IK
                    Railway Research Institute (IK)
                    Vice-Director of Railway Research Institute, Head of Interoperability Division

18:00 – 19:00   Discussion Panel 03   **[60 min]**

Discussion Panel Participants:

1. **Libor Lochman, PhD**
    European DAC Delivery Programme Ambassador

2. **dr inż. Marek Sokołowski**
   Metro Warszawskie Sp. z o.o.
   Member of the Management Board for Operations

3. **Krzysztof Zdziarski**
   PESA Bydgoszcz S.A.
   President of the Management Board

4. **dr inż. Janusz Biliński**
   MEDCOM Sp. z o.o.
   Director of traction development

5. **Jakub Bednarkiewicz**
   STADLER POLSKA Sp. z o.o.
   Head of software engineering

6. **Józef Michalik**
   NEWAG S.A.
   Vice-President of the Management Board

7. **Tomasz Jędrysa**
   KOLEJE MAZOWIECKIE Sp. z o.o.
   Director of the telematics officer

CONCLUSION OF THE FIRST DAY OF CONFERENCE   [15 min]
19:00 – 19:15

dr inż. Jacek Paś
Head of the Scientific and Programme Board
Polish Association of Transport Engineers and Technicians National Board (SITK RP)
President

dr hab. inż. Andrzej Massel
Railway Research Institute (IK)
Director of the Railway Research Institute

GALA DINNER / NETWORKING
20:00 – last guests … :-)

Location: InFormal Kitchen
                   Pl. Małachowskiego 2
                   Entrance from Traugutta street

>>>   END OF THE 1ST DAY OF THE CONFERENCE IT/OT2025

24.06.2025 TUESDAY

Location: INSTYTUT KOLEJNICTWA HQ,
                        ul. Józefa Chłopickiego 50, 04-275 WARSAW
                        http://www.ikolej.pl

EXPERT WORKSHOP 01   [60 min]
10:00 – 11.00

WORK AND CHALLENGES IN THE DIGITIZATION OF RAIL FREIGHT TRANSPORT
EUROPEAN PERSPECTIVE OF INDUSTRY AND RAILWAYS

Moderator 1:   **dr hab. inż. Marek Pawlik, prof. IK**
                      Railway Research Institute (IK)
                      Vice-Director of Railway Research Institute, Head of Interoperability Division,

Moderator 2:   **dr Libor Lochman**
                      European DAC Delivery Programme Ambassador

Workshop Agenda 01:

1. Automatic DAC digital coupler – concept, prototypes, work in progress, current challenges   [30 min]

   dr Libor Lochman
   European DAC Delivery Programme Ambassador

2. Involvement of the Railway Institute in the DAC-Fit project, activities and current challenges in the process   [10 min]

   Andrzej Zbieć
   Railway Institute, Rolling Stock Research Laboratory
   Expert,

   Piotr Tokaj
   Railway Institute, Rolling Stock Research Laboratory
   Expert,

3. Involvement of Polskie Koleje Państwowe S.A. in the DAC-Fit project, activities and current challenges in the process   [10 min]

Szymon Finke
Polskie Koleje Państwowe S.A.
Project Director at PKP S.A., PKP Expert in the field of DAC

4. Open debate with participants of expert workshops
                                                                                                    [10 min]

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

SESSION WITH PRESENTATIONS 01   [60 min]
11:30 – 12:30

CYBERSECURITY IN RAIL TRANSPORT

Moderator 1:   **dr hab. inż. Marek Pawlik, prof. IK**
Railway Research Institute (IK)
Vice-Director of Railway Research Institute, Head of Interoperability Division

11:30 – 12:00   Presentation Railway Institute (IK)   [30 min]

CYBER SECURITY CHALLENGES IN RAIL TRANSPORT IN THE LIGHT OF THE EU PARLIAMENT'S CYBER-RESISTANCE ACT 2024/2847

dr hab. inż. Marek Pawlik, prof. IK
Railway Research Institute (IK)
Vice-Director of Railway Research Institute, Head of Interoperability Division

12:00 – 12:15   Presentation PKP Polskie Linie Kolejowe S.A.   [15 min]

CENTER FOR INFORMATION EXCHANGE AND ANALYSIS OF THE RAILWAY TRANSPORT SUB-SECTOR ISAC-KOLEJ; ROLE FULFILLED AND OPENNESS TO COOPERATION WITH INDUSTRY

Grzegorz Kuta
PKP Polskie Linie Kolejowe S.A.
Director of the Cybersecurity Office

12:15 – 12:30   Presentation AGH im. Stanisława Staszica w Krakowie   [15 min]

DIGITAL RAILWAY LABORATORY – BUILDING THE RESISTANCE OF RAILWAY ENTITIES TO CYBER THREATS; IMPROVING THE COMPETENCES OF KEY EMPLOYEES; CHECKING SAFETY PROCEDURES, PROCEDURES AND OPERATIONS IN TRAINING CONDITIONS

Jacek Czech
AGH University of Science and Technology Stanisław Staszic in Krakow
Head of AGH Center of Security Technologies

EXPERT WORKSHOP 02   [60 min]
12:30 – 13:30

CYBERSECURITY OF ROLLING STOCK AND INFRASTRUCTURE

Moderator: **dr hab. inż. Marek Pawlik, prof. IK**
Railway Research Institute (IK)
Vice-Director of Railway Research Institute, Head of Interoperability Division

Workshop Agenda 02:

1. Railway cybersecurity challenges; definitions of safety, security and cybersecurity; relationship between the Railway Interoperability Directive and EU regulations in the field of Cybersecurity
                                                                          [10 min]

2. Overview of key cybersecurity areas and tools to protect against cyber threats; general basics of ensuring cyber resilience
                                                                          [10 min]

3. Determining levels of safety and protection and cybersecurity and their consistency; concept of control questions and FIL level
                                                                          [10 min]

4. Identified rolling stock functionalities and control cards dedicated to rolling stock
                                                                          [07 min]

5. Identified functionalities of infrastructure systems and control cards dedicated to infrastructure
                                                                          [07 min]

6. Control charts of components subject to the European Cyber Resilience Act, as products with digital elements, intended for use in technical solutions intended for railways

[07 min]

7. Evidence of safety, security and cybersecurity and their functional integrity; independent assessment of FIL evidence

[05 min]

8. Challenges regarding digital railway solutions in operation in the light of the current scale of cyber threats

[04 min]

LUNCH / NETWORKING **[60 min]**
13:30 – 14:30

SESSION WITH PRESENTATIONS 02 **[75 min]**
14:30 – 15:45

DIGITAL SOLUTIONS IN RAILWAY ROLLING STOCK
CHALLENGES AND SOLUTIONS; MANAGEMENT NEEDS AND INDUSTRY OPPORTUNITIES

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

Moderator 2: **Wojciech Dinges**
Polish Association of Transport Engineers and Technicians (SITK RP)
National Railway Committee SITK RP

POLREGIO SA
Vice-President of the Management Board

14:30 – 14:45 Presentation METRO WARSZAWSKIE Sp. z o.o. [15 min]

MAINTENANCE OF THE METRO ROLLING STOCK USING ELECTRONIC AND IT SOLUTIONS

dr inż. Marek Sokołowski
Metro Warszawskie Sp. z o.o.
Member of the Management Board for Operations

| 14:45 – 15:00 | Presentation PESA BYDGOSZCZ S.A. | [15 min] |

THE FUTURE TODAY: HOW MODERN DIAGNOSTICS,
AI AND CYBERSECURITY ARE CHANGING ROLLING TRANSPORT

Bartosz Antkowiak
PESA BYDGOSZCZ S.A.
Director of the Architecture, Systems and Control department

Daniel Skonieczny
PESA BYDGOSZCZ S.A.
Software Engineer

| 15:00 – 15:15 | Presentation MEDCOM Sp. z o.o. | [15 min] |

DESIGN REQUIREMENTS AND CRITERIA FOR ASSESSING THE CYBER SECURITY
LEVEL IN RAIL VEHICLES

dr inż. Janusz Biliński
MEDCOM Sp. z o.o.
Director of traction development

| 15:15 – 15:30 | Presentation STADLER POLSKA Sp. z o.o. | [15 min] |

DIGITIZATION AND CYBER SECURITY IN THE RAILWAY INDUSTRY

Jakub Bednarkiewicz
STADLER POLSKA Sp. z o.o.
Programmer Area Manager

| 15:30 – 15:45 | Presentation ELMARK AUTOMATYKA S.A. | [15 min] |

CYBERSECURITY OF DATA TRANSMISSION IN RAIL VEHICLES

Mirosław Zwierzyński
ELMARK AUTOMATYKA S.A.
Moxa Sales Director, Member of the Management Board

COFFEE BREAK / NETWORKING   **[30 min]**
15:45 – 16:15

SESSION WITH PRESENTATIONS 03   [90 min]
16:15 – 17:45

DIGITAL SOLUTIONS IN RAILWAY INFRASTRUCTURE
CHALLENGES AND SOLUTIONS; CARRIER NEEDS AND INDUSTRY OPPORTUNITIES

Moderator 1:	**dr inż. Wawrzyniec Wychowański** Polish Association of Transport Engineers and Technicians National Board General Secretary
Moderator 2:	**dr hab. inż. Marek Pawlik, prof. IK** Railway Research Institute (IK) Vice-Director of Railway Research Institute, Head of Interoperability Division

16:15 – 16:30   Presentation VOESTALPINE SIGNALLING POLSKA   [15 min]

DIGITAL RAILWAY IN THE CONTEXT OF NIS2 – COLLABORATION BETWEEN SYSTEM INTEGRATOR AND SUBSYSTEM SUPPLIER. CASE STUDY FROM GERMANY

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

Marek Kuciński
Voestalpine Signalling Poland Sp. z o.o.
Product Security Manager

16:30 – 17:00   Presentation ALSTOM GROUP   [30 min]

CYBERSECURITY IN THE RAILWAY MARKET AND ALSTOM'S STRATEGY

Michele GENUALDO
ALSTOM GROUP
Cybersecurity Director for Central and Eastern Europe and Italy.
Digital and Integrated System

17:00 – 17:15   Presentation SITK RP O/Gdansk   [15 min]

CYBER SECURITY IN TRAIN TRAFFIC CONTROL DEVICES REQUIREMENTS OVERVIEW

dr Piotr Wulgaris
Stowarzyszenie Inżynierów i Techników Komunikacji RP, O/Gdańsk
Prezes O/Gdańsk

17:15 – 17:30   Presentation HITACHI RAIL GTS POLSKA Sp. z o.o.   [15 min]

DESIGNING AND IMPLEMENTING CYBER SECURITY BASED ON THE IEC 6244-3 STANDARD

Kamil Gizka
HITACHI RAIL GTS POLSKA
CISO/Project Security Manager

17:30 – 17:45   Presentation AZD PRAHA s.r.o.   [15 min]

AUTOMATIC MILE SETTING BASED ON THE TIMETABLE
– ARE WE READY YET?

Krzysztof Krzak
AZD PRAHA s.r.o.
Development specialist at AZD PRAHA

COFFEE BREAK / NETWORKING   [30 min]
17:45 – 18:15

SESSION WITH PRESENTATIONS 04   [75 min]
18:15 – 19:30

CHALLENGES OF AUTONOMOUS TRAFFIC AND CYBERSECURITY
IN DIGITAL SOLUTIONS IN INFRASTRUCTURE AND RAILWAY ROLLING STOCK

Moderator 1:   **prof. dr hab. inż. Ewa Niewiadomska-Szynkiewicz**
Warsaw University of Technology
Vice-Dean of the Faculty of Electronics and Information Technology

Moderator 2:   **dr inż. Marek Sumiła**
Railway Institute
Head of the Automation and Telecommunications Laboratory

18:15 – 18:30   Presentation VOESTALPINE SIGNALING POLSKA   [15 min]

FROM CENELEC THROUGH EULYNX TO SYSTEM PILLAR – EVOLUTION OF
REQUIREMENTS RELATED TO CYBERSECURITY IN RAILWAYS

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

Marek Kuciński
Voestalpine Signalling Poland Sp. z o.o.
Product Security Manager

18:30 – 18:45   Presentation KOMBUD GROUP S.A.   [15 min]

30 YEARS OF ZONE CONTROL IN THE WARSAW METRO.
EXPERIENCE WITH ZS AND KD FUNCTIONALITY FOR RAILWAYS

Konrad Bartosiak
Metroprojekt Sp. z o.o.
TTC projects coordinator

18:45 – 19:00   Presentation ARCUS S.A.   [15 min]

PRACTICES AND TOOLS FOR MONITORING CYBERSECURITY OF RAILWAY CRITICAL
INFRASTRUCTURE; INFORMATION SECURITY MANAGEMENT AND SUPPORT FROM
SIEM OR SOAR SYSTEMS

Maciej Szpringier
ARCUS S.A.
Business Consultant

19:00 – 19:15   Presentation Instytut Kolejnictwa   [15 min]

SELECTED RISK MANAGEMENT ISSUES IN RELATION TO CYBER THREATS IN THE
AREA OF COOPERATION WITH SUPPLIERS OF TECHNICAL SOLUTIONS OF THE
CONTROL AND TRACKSIDE DEVICES SUBSYSTEM

dr Iwona Karasiewicz
Railway Institute
Security assessment coordinator

Paweł Gradowski
Railway Institute
Senior Research and Technical Specialist

Association of Communication Engineers and Technicians of the Republic of
Poland
Chairman of the SITK RP plant circle at the Railway Institute

19:15 – 19:30   Presentation JSW IT Systems Sp. z o.o.   [15 min]

CENTER FOR MONITORING AND DETECTION OF INDUSTRIAL INSTALLATIONS IN
UNDERGROUND MINING PLANTS
CYBER THREATS JSW IT

Rafał Wowra
JSW IT SYSTEMS Sp. z o.o. (JSW Capital Group)
Head of Technical Security Department at JSW IT SYSTEMS

ITOT2025 CONFERENCE SUMMARY   [15 min]
19:30 – 19:45

dr inż. Wawrzyniec Wychowański
Polish Association of Transport Engineers and Technicians National Board
General Secretary

dr hab. inż. Marek Pawlik, prof. IK
Railway Research Institute (IK)
Vice-Director of Railway Research Institute, Head of Interoperability Division

FRIENDS DINNER / NETWORKING
20:00 – last guests … :-)

Location: INSTYTUT KOLEJNICTWA HQ,
                      ul. Józefa Chłopickiego 50, 04-275 WARSZAWA
                      http://www.ikolej.pl

>>>   KONIEC KONFERENCJI ITOT2025 WARSAW   <<<

happy to find you here next year @ITOT2026 WARSAW 😊 …

GENERAL CONFERENCE PARTNER

CONFERENCE TECHNOLOGICAL PARTNER

SiC converters for highest energy efficiency

CONFERENCE PLATINIUM PARTNER

CONFERENCE GOLD PARTNER

SUBSTANTIVE PARTNERS OF THE CONFERENCE

CONFERENCE SILVER PARTNER

CONFERENCE TECHNOLOGICAL SUPPORT PARTNER

GASTRONOMY PARTNER

MEDIA PARTNER

HONORARY PATRONAGE

PATRON HONOROWY:

Marszałek
Województwa
Mazowieckiego

Ministerstwo
Infrastruktury

Ministry of Digital Affairs
Republic of Poland

URZĄD
TRANSPORTU
KOLEJOWEGO

PKP POLSKIE LINIE KOLEJOWE S.A.

Zarząd
Transportu Miejskiego
w Warszawie