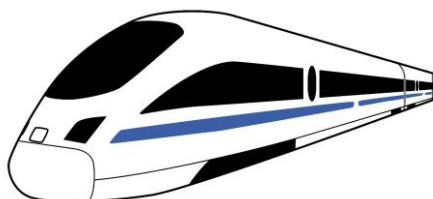


V<sup>th</sup> International Conference  
**MODERN TRENDS OF FIRE PROTECTION  
IN ROLLING STOCK**



**ANNOUNCEMENT N°6**

THE HONORARY PATRONAGE:



MINISTERSTWO  
INFRASTRUKTURY



Place:

**Warsaw Marriott Hotel, Poland**  
**The Railway Research Institute, Warsaw, Poland**

**10-11 MAY 2022**

We invite interested in fire protection in rolling stock (rail, metro and trams) representatives of: National Bodies, research units, operators, manufacturers of non-metallic materials and components of vehicles and signaling as well as fire extinguishing system manufacturers.

MEDIA PATRONAGE:



**bahn manager**  
DAS WIRTSCHAFTSMAGAZIN FÜR DEN SCHIENENSEKTOR

**WOLNA DROGA**

**Raport  
Kolejowy**

**Kurier  
KOLEJOWY**

## International Scientific Committee:

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1. Jolanta Maria Radziszewska-Wolińska PhD. – The Railway Research Institute, Poland

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4. Aleš Dudaček Prof. - VSB - Technical University of Ostrava, Czech Republic
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6. Eric Guillaume PhD. - Efectis, France
7. Anna Stec Prof. - University of Central Lancashire, United Kingdom
8. Mia Kumm - SP Technical Research Institute, Sweden

## Organizing Committee:

1. Dorota Adamska - contact regarding Exhibition Hall, phone +48 22 47-31-320; e-mail: [DAdamska@ikolej.pl](mailto:DAdamska@ikolej.pl)
2. Paulina Banachowicz - chair
3. Marta Łyszcz
4. Danuta Milczarek
5. Anna Stóżyk
6. Aneta Świetlik

## Information about the conference:

on the web: <http://www.ikolej.pl/en>

Phone: +48 22 47 31 458; +48 22 47 31 370; fax: +48 22 610 75 97, e-mail: [fire.conference@ikolej.pl](mailto:fire.conference@ikolej.pl)

Registration form available on <http://www.ikolej.pl/en>

Applications should be sent by e-mail: [fire.conference@ikolej.pl](mailto:fire.conference@ikolej.pl) or fax: +48 22 610 75 97

## The publication of conference materials

All submitted papers will be reviewed and qualified by the Scientific Committee to presentation during plenary sessions. Reviewed papers will be published in the form of a Monograph by The Railway Research Institute.

## Language:

Showing presentation: English

Presenters: Polish or English with simultaneous translation

## Important dates:

Payment for participation:

**Submissions accepted by 06 of April 2022 – 230 EURO**

**Submissions accepted from 07 of April 2022 to 06 of May 2022– 270 EURO**

Registration for participation to **06 of May 2022**

Sending a Power Point presentation to **04 of May 2022.**

Sending full papers to **06 of May 2022**

Please keep the deadlines.

# Conference Program:

10<sup>th</sup> of May 2022 -1<sup>st</sup> day of the Conference  
MARRIOTT HOTEL – Baltic Room (3<sup>rd</sup> floor).  
Jerozolimskie Avenues 65/79, 00-697 Warsaw

09.00 - 09.45 Registration, coffee and visiting EXHIBITION HALL

09.45 - 10.00 Welcome

## 10.00 – 11.40 I SESSION Chairman: Tony CASH

10.00 – 10.20 1. ***Current Progress in the Verification of EN45545 and Related Standards***  
**RADZISZEWSKA-WOLIŃSKA Jolanta Maria** (POLAND/Instytut Kolejnictwa)

10.20 – 10.40 2. ***A New Standard for Rail Vehicle Fire Safety and Evacuation***  
**DINMORE Neil** (UNITED KINGDOM OF GREAT BRITAIN/RSSB)

10.40 - 11.00 3. ***New Version of the UNI11565 Standard: Modifications and Remarks***  
**DIANA Paolo, TRAINA Antonino** (ITALY / Trenitalia S.p.A.)

11.00 – 11.20 4. ***Independent Assessment and Certification of Rolling Stock and Rolling Stock Subsystems on the Base of the Standard EN 45545-2:2020***  
**BARBAGLI Michele, KLINGER Michael** (GERMANY / TUV)

11.20 – 11.40 5. ***Review of Design Fires for Railway Fire Safety Assessment, and for Railways Infrastructure Management***  
**GUILLAUME Eric, GILDAS Auguin** (FRANCE/EFFECTIS)

11.40- 12.30 Coffee break and visiting EXHIBITION HALL

## 12.30 – 14.10 II SESSION Chairman: Roger DIRKSMEIER

12.30 - 12.50 6. ***Assessment of Electrical Equipment in the Field of Fire Safety in Rolling Stock***  
**TARKA Izabela, KAŹMIERCZAK Adrian, PIERGIES Jakub, MILCZAREK Danuta** (POLAND/Instytut Kolejnictwa)

12.50 - 13.10 7. ***Risk Assessment in the Field of Fire Safety of Rail Vehicles - Legal and Standardization Requirements***  
**PAWLIK Marek, RADZISZEWSKA-WOLIŃSKA Jolanta Maria** (POLAND/Instytut Kolejnictwa)

13.10 - 13.30 8. ***Remedial Actions to Assure Fire and Life Safety in Heritage Passenger Cars – A USA Case Study***  
**ANDREWS Robert** (USA / THE CATALPA FALLS GROUP, LLC)

13.30 – 13.50 9. ***Lessons Learned from the Planning and Conduct of Emergency Exercises***  
**CASH Tony** (UNITED KINGDOM OF GREAT BRITAIN/RIFA)

13.50 – 14.10 10. ***Most Recent Experiences in Protecting Diesel Engines on Rolling Stock with Innovative Approach***  
**BARTOLETTI Luca, CREMONCINI Andrea, BIANCHI Daniele, PALOMBA Riccardo, REGI Dario**, (ITALY /1. FIR. EX. S.R.L. / 2. I.S.E. INGEGNERIA DEI SISTEMI ELETTRONICI S.R.L.)

14.10 – 15.40 Lunch and visiting EXHIBITION HALL

## 15.40 – 17.20 III SESSION Chairman: Eric GUILLAUME

15.40 - 16.00 11. ***A Longterm Overview of USA Rolling Stock Vehicle Floor Fire Platform Testing and Related Passenger Safety Fire Protection***  
**KOBER Jeffrey F.** (USA / MILWAUKEE COMPOSITES INC.)

16.00 - 16.20 12. ***Update on Mäder Total EN 45545-2 Solutions: Gelcoats, Resins and Coatings Combined with Efficient Manufacturing Methods***  
**KIEHL Julien** (SWITZERLAND/ WALTER MÄDER AGCOMPOSITES)

16.20 - 16.40 13. ***LEO – Lightweight with Extreme Opportunities. Modern Composite Technologies for Rail Applications According to EN 45545 and DIN SPEC 91326***  
**MORIS Adam, BÜNKER Jörg** and others (GERMANY / SAERTEX GmbH & Co. KG)

16.40 - 17.00 14. ***Assessment of the Effect of the Applied Hydroxide Additives on the Fire Properties of Varnish Coating Systems with a Deafening Mass***  
**PAULI Wojciech, WIECHA Karol, MILCZAREK Danuta, TARKA Izabela** (POLAND / FIRMA HANDLOWA BARWA / INSTYTUT KOLEJNICTWA)

17.00 - 17.20 15. ***The Product Portfolio of ELANTAS Europe for EN 45545-2 Certification***  
**MALINVERNO Davide** (ITALY / ELANTAS Europe)

17.20 – 17.30 Summary of the 1st day of the Conference

## 18.00 – 22.00 GALA DINNER

**11<sup>th</sup> of May 2022 - 2<sup>nd</sup> day of the Conference**  
**THE RAILWAY RESEARCH INSTITUTE– Conference Hall**  
**Chłopickiego 50 Str. 04-275 Warsaw.**

09.00 - 09.45	Registration, coffee and visiting EXHIBITION HALL
09.45 - 10.00	Welcome
<b>10.00 – 11.00</b>	<b>IV SESSION Chairman: Andrea CREMONCINI</b>
10.00 – 10.20	<b>16. <i>Fire Hazard of Rail Vehicles with Alternative Power Sources</i></b> <b><u>RADZISZEWSKA-WOLIŃSKA Jolanta Maria</u></b> (POLAND/Instytut Kolejnictwa)
10.20 - 10.40	<b>17. <i>New Mobility Technologies – New Challenges. An Update on Battery Fires and a New Scenario for E-Bike on Trains</i></b> <b><u>DIRKSMEIER Roger A.</u></b> (GERMANY / FOGTEC)
10.40 – 11.00	<b>18. <i>Lithium-Ion Batteries for Rail Infrastructure - Risks, Hazards and Mitigation Strategies</i></b> <b><u>MROZIK Wojciech</u></b> (UNITED KINGDOM OF GREAT BRITAIN / NEWCASTLE UNIVERSITY)
<b>11.00 – 12.00</b>	<b>DISCUSSION PANEL:</b> <b>What Problems Arise in Interpreting the Provisions of the EN 45545 Standards Series when Designing, Testing and Certifying of Rolling Stock?</b> <b><u>Moderator:</u></b> Jolanta Maria RADZISZEWSKA-WOLIŃSKA, <b><u>Panelists:</u></b> Tony CASH, Andrea CREMONCINI, Roger DIRKSMEIER, Eric GUILLAUME
12.00 – 12.10	Conference summary
12.10 – 13.30	Lunch and visiting EXHIBITION HALL
<b>13.30- 15.00</b>	<b>Visiting the Materials &amp; Structure Laboratory in The Railway Research Institute in Warsaw in the Field of Fire, Mechanical and Corrosion Tests.</b>

**EXHIBITION HALL**  
**The modern and safe equipment of rolling stock**

We invite you to the presentation of yours equipment for rolling stock  
(detection, alarm and extinguishing systems, materials and non-metallic components)  
Contact regarding Exhibition Hall – Mrs Dorota Adamska, phone +48 22 47-31-320; e-mail: [DAdamska@ikolej.pl](mailto:DAdamska@ikolej.pl)

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## Proposed Hotels:

### **WARSAW MARRIOTT HOTEL \*\*\*\*\***

**(place of 1<sup>st</sup> day of Conference)**

Jerozolimskie Avenues 65/79, 00-697 Warsaw

<http://www.marriott.com/hotels/maps/travel/wawpl-warsaw-marriott-hotel/>

Reservation link for Conference Guests with discount (**valid until 04/15/2022**) :

[Book your group rate for Instytut Kolejnictwa, Fire Conference](#)

### **NOVOTEL WARSZAWA CENTRUM \*\*\*\***

Marszałkowska 94/98 Str. 00-510 Warsaw

<https://www.accorhotels.com/en/hotel-3383-novotel-warszawa-centrum>

### **HOTEL INTERCONTINENTAL \*\*\*\*\***

Emilii Plater 49 Str. 00-125 Warsaw

<http://warszawa.intercontinental.com/en/>

### **RADISSON BLU SOBIESKI HOTEL \*\*\*\***

Artura Zawiszy Place 1, 02-025 Warsaw

<https://www.radissonblu.com/en/sobieski-warsaw/contact>

### **HOTEL POLONIA PALACE \*\*\*\***

Jerozolimskie Avenues 45, 00-692 Warsaw

<http://www.poloniapalace.com/en/contact-polonia-palace-hotel-in-warsaw.html>

### **BEST WESTERN HOTEL FELIX\*\*\***

Omulewska 24 Str. 04-128 Warsaw

<https://www.bwfelix.pl/en/>

### **MERCURE \*\*\*\***

Złota 48/54 Str. 00-120 Warsaw

<https://www.accorhotels.com/en/hotel-3385-mercure-warszawa-centrum>

### **HOTEL CAMPANILE \*\*\***

Towarowa 2 Str. 00-811 Warsaw

<https://www.campanile.com/en/hotels/campanile-varsovie>

### **THE WESTIN WARSAW\*\*\*\*\***

Jana Pawła II Avenues 21,00-854 Warsaw

<https://www.marriott.com/hotels/travel/wawwi-the-westin-warsaw/>

## The conference fee:

**Submissions accepted from 07 of April 2022 to 06 of May 2022– 270 EURO**

The fee includes conference materials, simultaneous translation, drinks and lunch, gala dinner and organizational costs.

Members of the Scientific Committee and Speakers covered by the discount.

**The fee for participation should be transferred to the following account:**

Payment in **EURO**: BNP PARIBAS BANK POLSKA S.A.

45 1750 0009 0000 0000 0191 8915

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with the inscription „Fire Conference”.