Welcome to Vienna!

7th International Symposium

FIRE SAFETY IN RAILWAY SYSTEMS

Vienna
26 - 27 March 2015

www.railway-network.eu/fire-safety

Apply now to join the SYMPOSIUM and the EXHIBITION with all advantages of SYSTEMATIC NETWORKING!

SYMPOSIUM
EXHIBITION
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EXHIBITION PARTNER: FIRE SAFETY 2015

To play an active role during the 7th symposium on FIRE SAFETY 2015 please do not hesitate to contact the organiser: office@railway-network.eu

www.railway-network.eu/fire-safety
FIRE SAFETY IN RAILWAY SYSTEMS 2015

The international meeting point for railway and fire safety experts

During the 7th symposium all relevant aspects of FIRE SAFETY of different categories of rail vehicles (vehicles for high speed transportation systems, light rail vehicles, trams, locomotives, coaches, freight wagons etc.) and rail infrastructure (tunnels, stations etc.) shall be reflected. Speakers from different countries are preparing highly specialised presentations to discuss relevant topics with participants from all over the world. We are looking forward to seeing you in Vienna during the two day symposium.

FIRE SAFETY IN RAILWAY SYSTEMS 2015

If the following TOPICS are relevant to your current fields of work, the Symposium FIRE SAFETY is relevant for YOU!

**ROLLING STOCK**
- RAILWAY VEHICLES
- FIRE DETECTION (SENSORS)
- FIRE-FIGHTING PROCEDURES

**INFRASTRUCTURE**
- STATIONS
- TUNNELS
- OTHER RELEVANT TOPICS

**REGULATIONS**
- NORMS and STANDARDS
- HOMOLOGATION
- INTERNATIONAL ASPECTS

**RESEARCH & DEVELOPMENT**
- SCIENTIFIC RESEARCH
- PRODUCE DEVELOPMENT
- (NEW) MATERIALS

Vienna
26 - 27 March 2015

www.railway-network.eu/fire-safety
### PROGRAMME on Thursday, 26 March 2015
7th International Symposium on FIRE SAFETY IN RAILWAY SYSTEMS 2015

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<th>Time</th>
<th>Event</th>
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<td>08:15 - 09:15</td>
<td><strong>CHECK-IN-TIME: Come together // Exhibition // Networking Coffee</strong></td>
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<td><strong>FIRE SAFETY 2015: Fire Safety in Railway Systems</strong></td>
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<tr>
<td></td>
<td>Dipl.-Volkswirt E. <strong>SCHULZ</strong> - CEO - [IFV Bahntechnik; Berlin / Germany]; N.N. (welcoming speech)</td>
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<tr>
<td></td>
<td><strong>Challenges for Fire Protection Solutions in China</strong></td>
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<td></td>
<td>Dr. Markus <strong>MÜLLER</strong> - Director - [WAGNER Bayern GmbH; Munich / Germany]</td>
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<td><strong>Complete Fire Protection Concept for Line 7 in Mexico City:</strong></td>
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<td>Comprehensive Fire Protection Concept</td>
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<td>Christoph <strong>KAINZ</strong> - CEO - [Kainz solutions; Munich / Germany]</td>
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<td></td>
<td><strong>NETWORKING-BREAK 01</strong> Networking Coffee and Exhibition FIRE SAFETY 2015</td>
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<tr>
<td></td>
<td><strong>The Challenge of Fire Detection in Railway Rolling Stock:</strong></td>
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<td>Selection and positioning of detectors</td>
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<td>Mag. (FH) Günter <strong>SONNLEITNER</strong> - Head of Sales for Fire Protection in Railway Rolling Stock - [Siemens AG; Vienna / Austria]</td>
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<td><strong>Experience gained from Fire Tests according to EN 45 545 and DIN 5510-2 for Testing of Seats:</strong></td>
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<td>EN 45 545-2/ISO 5658-2 and ISO5660-1, DIN 5510-2, CEN/TC 256 WG 1 TF Seats</td>
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<td>Prof. Dipl. Ing. Dr. Dieter <strong>HOHENWARTER</strong> - Laborleiter Brandversuche</td>
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<td>am FB Kunststoff- und Umwelttechnik - [TGM - Staatl. Versuchsanstalt; Vienna / Austria]</td>
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<td><strong>NETWORKING-BREAK 02</strong> LUNCH, Networking Coffee and Exhibition FIRE SAFETY 2015</td>
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<td><strong>Experimental and Numerical Investigations in the Fire Behaviour of Luggage</strong></td>
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<td>M.Sc. Dipl.-Ing. (FH) Julian <strong>BULK</strong> - Wissenschaftlicher Mitarbeiter - and Dr. Björn BANSEMER; Prof. Dr. Friedrich-Wilhelm WITTBECKER [Bergische Universität Wuppertal; Fachgebiet Brand- und Explosionsschutz; Wuppertal / Germany]</td>
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<td><strong>Integration of a Fire Extinguishing System in the Propulsion Unit of integral multiple Units:</strong></td>
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<td>Comparison of Water Extinguishing Systems</td>
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<td>Dipl. Ing. Josef <strong>KOMETER</strong> - Head Business Area Engineering and General Manager - [Molinari Rail Austria GmbH; Schwaz / Austria]</td>
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<td><strong>NETWORKING-BREAK 03</strong> Networking Coffee and Exhibition FIRE SAFETY 2015</td>
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<td><strong>Root Cause Analysis and Findings for Fire Safety</strong></td>
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<td>- derived from Fire Investigations in the Railway Sector</td>
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<td>Frank D. <strong>STOLT</strong>, MSc, MA - Brand- u. Explosionsursachenermittlung; Mannheim / Germany]</td>
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<td><strong>New UNI standard 11565:</strong> Engineering, installation, validation and maintenance for detection and extinguishing system to be installed on rolling stocks</td>
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<td>Sergio de <strong>SANCTIS</strong> - [Gastec Vesta srl; Origgio / Italia]</td>
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<td><strong>Fire Safety in Railway Systems 2015 and beyond</strong></td>
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<td>N.N. - [IFV Bahntechnik e.V. - Railway Research Network; Berlin]</td>
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<td>*** Speaker Panel and Plenary Discussion ***</td>
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<td>17:15 (approx.)</td>
<td><strong>End of the programme of the FIRST CONFERENCE DAY</strong></td>
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### EVENING EVENT
**FIRE SAFETY 2015**

**INTERNATIONAL NETWORKING**

Sightseeing-Tour & Networking-Dinner
18:15 ~ 22:00 (approx.)

**VIENNA BY NIGHT**
## PROGRAMME on Friday, 27 March 2015

### 07:45 - 08:45 CHECK-IN-TIME: Come together // Exhibition // Networking Coffee

**FIRE SAFETY 2015:** Railway Research (Interdisciplinary Approach)
Dipl.-Volkswirt E. **SCHULZ** - CEO - [IFV Bahntechnik; Berlin / Germany]

**New Technologies for Air Sampling Systems in Rail Vehicles:**
Functional Principle, SIL II approval and Examples of Use
Dr. Isabelle **VINAGE** - Leiterin Rail - [Wagner Schweiz AG; Wallisellen / Switzerland]

**Pure Optical False Alarm Resisting Smoke Detector:**
False Alarm Classification, Test Fire Results and Nuisance Aerosols Results
Dr. Jan Boris **PHILIPP** - Lead Engineer Sensorsysteme - [Apparatebau Gauting GmbH; Gilching / Germany]

### NETWORKING-BREAK 04
Networking Coffee and Exhibition FIRE SAFETY 2015

**Fire Protection of Flexible Metal/Rubber Units including Elements in Bogies:**
EN 45545-2 from the Viewpoint of a Specialist of Rubber Technology
Dr.-Ing. Dana **GREFEN** - Research & Development (Consultant) - and
Frank J. **SCHMITT** - Director - [BATEGU Gummitechnologie GmbH & Co. KG; Vienna / Austria]

**Hot Smoke Test in Tunnels:**
An innovative Approach using premixed Propane Flames
Juan Jose **BLOND** - [Basler und Hofmann AG, Fire Safety Engineering; Zurich / Switzerland]

### NETWORKING-BREAK 05
LUNCH, Networking Coffee and Exhibition FIRE SAFETY 2015

**Flame Retardant Floating Floors in Rail Cars:**
Elastic Polyurethane for Vibration Isolation, Noise Level Reduction and conform Fire Safety EN 45545-2
Thomas **GAMSJÄGER** - Produktmanagement - [Getzner Werkstoffe GmbH; Bürs / Austria]

**Amphenol Rail Compound Material developed in order to comply with the Norms:**
Criteria used in the Norms, Tests and Evaluation
Kolja **LUCKE** - Export Regional Business Developer - [Amphenol Air LB; Courbevoie / France]

### NETWORKING-BREAK 06
Networking Coffee and Exhibition FIRE SAFETY 2015

**Fire Safety on Rolling Stock**
N.N.; N.N.

**FIRE SAFETY: Concluding Remarks and Perspectives for the Future of FIRE SAFETY in RAILWAY SYSTEMS**
Dipl.-Volkswirt E. **SCHULZ** - CEO - [IFV Bahntechnik; Berlin / Germany]
*** Speaker Panel and Plenary Discussion - Concluding Remarks ***

### 16:00 (approx.) End of the programme of the SECOND CONFERENCE DAY

**DEPARTURE**

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*Version (update) of the programme brochure: 19.01.2015 * The programme may be subject to alterations. - The spoken word applies! The terms and conditions of the organiser (www.ifv-bahntechnik.de/agb.pdf) are binding for all contracts with the organiser IFV BAHNTECHNIK e.V.*
Information and Invitation:
Join the 7th international Symposium
FIRE SAFETY 2015

Every two years, IFV Bahntechnik e. V. - the Interdisciplinary Railway Research Association - is organising an international symposium for Railway and Fire Safety Experts. The goal of the international meeting point for experts and companies is to discuss the STATE OF THE ART in the continually growing fields of FIRE SAFETY. The 6 recent symposia were very successful: excellent PRESENTATIONS form capable speakers, interesting presentations of products and services during the EXHIBITION and inspiring conversation during the NETWORKING EVENT are the integral components of the interdisciplinary summit.

Great resonance shows that the chosen topics are HIGHLY RELEVANT for experts from many countries. The speakers will present recent findings from research projects or will demonstrate the advantages of new products and innovative services:

- **ROLLING STOCK**
- **INFRASTRUCTURE**
- **RESEARCH & DEVELOPMENT**
- **REGULATIONS, NORMS and STANDARDS**
- **and OTHER SPECIAL TOPICS related to FIRE SAFETY in RAILWAY VEHICLES**

**YOU are invited to join this conference as participant or to present your company’s products during the exhibition FIRE SAFETY 2015!**

Dipl.-Volkswirt Eckhard SCHULZ
Managing Director (CEO)
IFV BAHNTECHNIK e.V.
Interdisciplinary Railway Research Association

**Organiser:**

IFV BAHNTECHNIK e.V.
Interdisciplinary Railway Research Association

The Interdisciplinary Railway Research Association (IFV BAHNTECHNIK e.V.) is a network of competent partners from science and industry committed to promote the progress in railway technology: Customers and contractors, service providers and selected research institutions.

IFV connects Experts and Companies from all relevant sectors, related to railway technology.

IFV BAHNTECHNIK is committed in the modernisation of railway technology through
• systematic networking of traffic experts
• applied research,
• knowledge transfer and
• customised service
in all relevant fields of modern railway technology.

For more information, check the website: www.railway-research-association.eu

**Recent PUBLICATIONS „FIRE SAFETY“**

- **FIRE SAFETY 2013**  
  ➔  228 pages / 180 €  

- **FIRE SAFETY 2010**  
  ➔  195 pages / 160 €  
  ISBN 978-3-940727-23-7

- **FIRE SAFETY 2009**  
  ➔  92 pages / 70 €  
  ISBN 978-3-940727-14-5

- **FIRE SAFETY 2008**  
  ➔  174 pages / 140 €  
  ISBN 978-3-940727-04-6

- **FIRE SAFETY 2007**  
  ➔  119 pages / 120 €  
  ISBN 978-3-9810797-9-1

- **FIRE SAFETY 2006**  
  ➔  78 pages / 120 €  
  ISBN 978-3-9810797-5-3

**CONTACT TO THE ORGANISER:**

Interdisziplinärer Forschungsverbund Bahntechnik e.V.
Salzufer 17-19/SG20, 10587 Berlin / Germany

Chairman of the symposium: Dipl.-Volkswirt E. SCHULZ
Phone: +49(0)30 81898731 / Cellular: +49(0)176 70094803
E-Mail: office@railway-network.eu

Conference Management & Registration: Linda NIENHAUS
Phone: +49(0)30 31429298, Fax: +49(0)30 31425452
Cellular phone +49(0)163 6856845
E-Mail: tagung@ifv-bahntechnik.de

www.railway-network.eu/fire-safety
Contact the organiser about the exhibition partnership packages:

- Bronze-Sponsor (LOGO): 1000 €;
- Silver-Sponsor (ADVERTISEMENT): 2000 €;
- Gold-Sponsor: 3000 € (EXHIBITION) (incl. VAT)

Phone: +49(0)30 81898731 or e-Mail: redaktion@ifv-bahntechnik.de
The complete PROGRAMME (and all updates of the programme) of the 7th international Symposium FIRE SAFETY IN RAILWAY SYSTEMS may be found online on the conference homepage:

>>> www.railway-network.eu/fire-safety
or >>> www.ifv-bahntechnik.de/fire-safety

DEADLINE FOR PARTICIPANT APPLICATION:
Thursday, 19 March 2015

The mandatory APPLICATION FORM is available on the conference website:

Conference Hotel for the Symposium FIRE SAFETY*
>>> Lindner Hotel Am Belvedere, VIENNA >>> www.lindner.de

Complete List of Hotels at the venue is available.
Please ask the Organiser IFV BAHNTECHNIK for assistance.
* Participants need a Check-In-Card to enter the conference rooms. Registered Participants will receive their Check-In-Card by e-Mail, or at the Check-In-Counter (after completing the payment procedure).

Organiser of the Symposium FIRE SAFETY:
Interdisciplinary Railway Research Network (c/o TU Berlin)
IFV BAHNTECHNIK e.V., Salzufer 17-19/Sg20, 10587 Berlin
FON: +49(0)30 31421698 (Mr. Schulz, CEO)
FON: +49(0)30 31429298 (Ms. Nienhaus, Event Manager)
FON: +49(0)30 31473807 (Ms. Scheffler-Schuch, Payment)
FAX: +49 30 31425452 or +49 700 47472000
E-Mail: office@railway-network.eu - or - email@ifv-bahntechnik.de

The Exhibition FIRE SAFETY 2015 takes place during the Symposium. Please ask for BRONZE, SILVER or GOLD packages for Exhibitors.

The List of EXHIBITORS and official SPONSORING PARTNER will be updated regularly
>>> www.railway-network.eu/fire-safety

The Proceedings of the FIRE SAFETY Symposia are available as PRINTED BOOKS, published by IFV BAHNTECHNIK.

All available PUBLICATIONS from our BOOKS IN PRINT LIST may be ordered directly from the Publisher:
>>> ORDER FORM: www.ifv-bahntechnik.de/literatur.pdf
THREE STEP REGISTRATION PROCESS:

1. In order to be registered as a participant we ask you to send a binding registration before 19 March 2015. Please fill in the registration form and send it to the IFV BAHNTECHNIK via fax or e-mail. (Do not forget your signature!)

2. As soon as your registration form has arrived we will send a written confirmation of application and an invoice to the address you have stated.

3. The registration fee is due at the time of registration and has to be paid completely before 19 March 2015. Only participants with valid check-in card are allowed to join the symposium or the exhibition.

* The documents mentioned above will be sent to you by mail as well as via e-mail. Therefore we kindly ask you to state your e-mail address on the registration form. Attached to the e-Mail you will also find the address and the directions to the conference venue and also a list of recommended hotels close to the venue. If you have any questions - just contact the organising team at IFV Railway Research Association!

Herewith I declare my binding participation in the 7th Symposium FIRE SAFETY 2015 on 26 - 27 March 2015 in Vienna. The fee is due at the time of registration.

I agree with the terms and conditions of the organiser (www.ifv-bahntechnik.de/agb.pdf).

Please send the completed and signed APPLICATION FORM via E-Mail >>> tagung@ifv-bahntechnik.de or Telefax >>> +49(0)30 31425452 (respectively +49(0)0700 47472000).  

PARTICIPANT:

[] Mr / [] Ms  NAME: ____________________________________________  
Company (Dept.): ____________________________________________  
Street: ____________________________________________  
ZIP Code, City, Country: ____________________________________________  
Telephone / Cellular: ____________________________________________  
E-MAIL: (YOUR VALID E-MAIL-ADDRESS IN CAPITAL LETTERS) ____________________________________________  
Billing Address: ____________________________________________  
UID-number: ____________________________________________  

The participant will receive extensive conference materials - including the printed proceedings FIRE SAFETY 2015. To promote the networking activities of participants and speakers, the evening-event (Networking in Vienna) is also included. Complete payment must be received before 19 March 2015. Delegates may pay on site (cash) in case of problems with bank transfer.

1000,-- €  STANDARD FEE  (regular participation ticket - inclusive VAT)

Regular participant ticket includes BOTH conference days (lectures, conference catering, evening event, conference documentation (printed proceedings))!

SPECIAL TICKETS WITH REDUCED PRICE (incl. VAT for BOTH conference days) are available before 16 February 2015

☐ 975 €  GROUP price (3 or more tickets - please ask)
☐ 950 €  Personal MEMBERS of IFV, Co-Authors or special Guests with VIP-Status (please ask)
☐ 900 €  Corporate MEMBERS of IFV (membership applications welcome)
☐ 180 €  for members of the programme committee (price of the printed proceedings)
☐ 0 €  FREE TICKET (speaker-ticket for the lead author)

* REDUCED FEES are ONLY AVAILABLE in case of EARLY PAYING - reduced fee has to be payed before 16 February 2015 (otherwise the standard fee has to be paid without any reduction).

PLEASE INDICATE: Preferred mode of payment method:  □ Bank transfer  or  □ Cash (on site)

SPONSORING-PACKAGES:  □ Bronze-Sponsor: 1000 €;  □ Silver-Sponsor: 2000 €;  □ Gold-Sponsor: 3000 €  (incl. VAT)

Payment Procedure: Please notice that your personal Check-In-Card will be activated after the payment process is finished. In case of delayed or incomplete payment the regular registration fee plus an extra handling fee of 100 € will be charged when paying cash on site (BEFORE THE CONFERENCE BEGINS). Complete fee has to be paid before entering the conference rooms.

Cancellation conditions:  Regular Cancellation is possible 8 weeks before the conference begins. Cancellation fee: 175 €.

In order to avoid extra fees, we recommend to nominate a substitute from your company - completely free of charge!

Do you have any questions?  PLEASE CONTACT THE ORGANISER:  IFV BAHNTECHNIK e.V.  -  www.ifv-bahntechnik.de  
Managing Director: Mr. Schulz (CEO)  -  phone: +49(0)30 81898731  -  cellular phone: +49(0)17670094803
Registration: Ms Nienhaus  -  phone: +49(0)30 31429298  -  Payment: Ms Scheffler-Schuch  -  phone: +49(0)30 31473807
E-Mail: tagung@ifv-bahntechnik.de  -  Fax: +49(0)30 31425452 or Fax: +49(0)70047472000

The programme may be subject to alterations!  -  See conference website: www.railway-network.eu/fire-safety  -  Programme Version: 19 January 2015 (updated)