

OPEN TECHNOLOGY FORUM UPDATE



FREE TO ATTEND

Railway Interiorsexpo

UPDATED PROGRAMME

**4, 5, 6 NOVEMBER 2008
AMSTERDAM RAI, THE NETHERLANDS**

**The world's ONLY international exhibition
and open technology and ideas forum
devoted to rail-car and mass-transit
interiors, passenger services and comfort**

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EXHIBITION AND FORUM PASS
www.railwayinteriors-expo.com**

FREE TO ATTEND

Railway interiorsexpo

Railway Interiors Expo 2008 has established itself as the must-attend event for anyone involved in design, maintenance or refurbishment of rail-car interiors and all those involved in passenger safety, comfort and well-being.

WHY ATTEND RAILWAY INTERIORS EXPO 2008?

EXHIBITION: Leading international companies will launch and promote new interior innovations

FREE-TO-ATTEND OPEN TECHNOLOGY AND IDEAS FORUM: Three days of top-level speakers giving presentations on:

- Rail-car interior design: passenger expectations, experiences, conceptual design and flexibility
- Seating: design, development and textiles
- Innovative lighting: efficiency, performance and reliability
- WiFi integration, communication and passenger infotainment applications
- Fire safety: standards, techniques and protection developments, plus a review of SAFEINTERIORS
- Refurbishment: reusable and sustainable resources and efficient maintenance

NETWORKING OPPORTUNITIES: The exhibition, forum and Railway Interiors 'Innovation and Excellence' Awards provide an excellent opportunity to meet up with existing colleagues and make new contacts.

“ The best thing about the show is its targeted nature – only people who work in the rail interiors industry attend. The whole supply chain is there, from the OEMs to the operators, designers and suppliers. Also the Open Technology Forum provides essential information on current and future trends, making it THE industry expo for me. ”

Stefan Goosens, standardisation engineer, Bombardier Transportation GmbH



FORUM PROGRAMME



TUESDAY 4 NOVEMBER DAY 1 – MORNING SESSION

MODERATOR - Brigitte Matheussen, Business and Product Development, NS (Dutch Railways)

10.10 Welcome Address – Tony Robinson, CEO & Founder, UKIP Media & Events

Rail-car interior design – passenger expectations, experiences, conceptual design and flexibility

10.20 **Customer needs and train experience**
NS (Dutch Railways) – Mark Van Hagen, senior consultant

The Dutch Railways did research on the emotional needs of train customers and discovered six needs states. These findings were used to develop an innovative train in which the needs of the customers are met.

10.45 **Modular interior design kit for light rail vehicles**
Siemens AG – Benno Schiefer, design engineer - industrial design

Manufacturers in local transport used to offer an individual vehicle design concept for each customer. This results in high development costs. It was therefore our aim to develop a modular vehicle that permits the highest degree of design flexibility.

11.10 **Railway interior design – education to the masses?**
MBD Design – Stephane Pottier, design director

Should industrial design have an educational role towards the masses through bold and innovative projects, or should it just fulfil a crowd-pleasing mission with clean but anonymous solutions? The operator's choice is a key factor.

11.35 **Expectation, promise and misunderstanding**
Creative Design Ltd – Neil Bates, director

Customers, rail operators and train builders may believe they have little in common, but they all have to deal with rapidly changing customer expectations. This paper identifies how smart businesses are responding to the challenge.

12.00 **Influence of railway interiors on dwell time and punctuality**
TU-Vienna Institute for Railway Engineering – Dr Bernhard Rüger, university assistant

Entrance and interiors design have a strong influence on passengers' exchange times in stations. Because of an unfavourable design, trains run late on main travel days. This behaviour analysis points out possible improvements.

12.25 **Design management of creative design**
Design Triangle – Siep Wijsenbeek, design consultant to Hex

Public transport urgently has to become more appealing to get car drivers out of their cars. A total coordinated and attractive rail product is needed, and only centrally led professional design management can deliver this.

12.50 **Demands for modern public transport vehicles from the customer's point of view**
European Passengers' Federation – Joseph Schneider, engineer

This review will give a summary of passengers' demands from several surveys, and will define minimal demands and possibilities for achieving a competitive advantage by using suitable equipment.

13.15 **BREAK FOR LUNCH**





TUESDAY 4 NOVEMBER DAY 1 – AFTERNOON SESSION

MODERATOR - James Ryan, Director Transportation Design, ECCO Design Inc.

Seating – design, development and textiles

14.00

Thalys – clever seating

Thalys International – Olivier Poitreaud, CEO

As a global reflection on the seat as an office desk, a rest chair and an eating place, this presentation will look at the technical aspects of how to achieve comfort in all postures and the aesthetic elements of the seat within the Thalys concept.

14.25

Articulated structure simulates recline on coach seating

ECCO Design Inc – James Ryan, director transportation design

A structural scheme permits individually articulated seat and back-rest panels that operate passively by utilising the passenger's weight and position. This system with a thin cushion and contoured panel yields equivalent comfort to much thicker back-rests.

14.50

Lectra's innovative solutions for 3D development of car seats and interiors

Lectra - Michael Kopecky, consultant 3D Solutions

Lectra develops highly customised solutions for maintaining quality control at every stage, from 3D design and simulation to manufacturing, with a suite of complete material spreading and cutting solutions tailored to your needs and industry.

15.15

Thinking outside the box – seating design and textiles

Lantal Textiles – Anna-Maria Mueller, design

This review will discuss seating design and textiles in public transportation, restrictions, challenges and solutions for seat cover fabrics, the importance of colours in design for public transport and creating comfort and well-being for public transport passengers.

Innovative lighting – efficiency, performance and reliability

15.40

LED lighting – save energy and increase operational performance

Dialight – Gordon Routledge, vice-president

The efficiency of LED technology is increasing at a rapid pace. It is now possible to perform all interior lighting functions with LED technology. This paper will show practical examples of new and retrofit installations in which LED-based lighting technology can outperform even the most efficient fluorescent lighting in terms of energy consumption, to produce operational cost savings that have never before been possible.

16.05

Optimising reliability in LED lighting systems

LPA Excil Electronics – John Hesketh, technical director

LEDs are now being applied frequently in rolling stock interior lighting systems with varying degrees of success. Although these are technology-leading devices, there are many issues to consider throughout the implementation of such systems if high reliability is to be obtained. This paper examines the key technical issues necessary in order to achieve a successful, high-reliability system.

16.30

FINISH

● END ●



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WEDNESDAY 5 NOVEMBER DAY 2 – MORNING SESSION

MODERATOR - Dave Gorskov, CEO, Digital Grape

The networked railway – integration and tried-and-tested communication solutions

10.10 Using 21st-century communication solutions to enhance railway services

Nokia Siemens Networks - Alain De Cort, account manager railways

This presentation will look at how future wireless applications will help you to enhance your operation and bring new mobile services on the train.

10.35 How to succeed with passenger internet access – why some projects have thousands of users, while others have failed

Icomera – Frederik Gustafson, CEO

The presentation will outline the background and purpose of passenger internet access based on practical experience of thousands of daily users in Sweden and the UK. Examples of success and failures and recommendations to newbies wanting to learn about the challenges will be presented.

11.00 Broadband train-to-track communication solutions for urban transport – the consolidation in the market

InfoGLOBAL – Jaime Abad, business development manager

In the last year, InfoGLOBAL has received new orders to export the evolution of the train-to-track solution deployed in Madrid.

11.25 Railpocket – an innovative mobile enterprise solution for 10,000 employees

NS (Dutch Railways) – Ann-Margaret van der Horst, manager - NSR Productie Services

Railpocket is a 12-year success story for NS, representing the largest and most high-tech mobile workforce PDA solutions worldwide for 10,000 employees. NS developed this award-winning concept (Cisco award 2007) together with strategic partners such as HP and Appear.

11.50 The challenge of product integration – bridging the gap

KeTech Systems – Martin Clayden, business development manager

This review will discuss technical considerations for the challenges faced when integrating new equipment into rolling stock, spanning the platform-to-train interface for the complete solution, environmental and EMC compliance, safety integrity levels and interface management.

12.15 Is Wi-Fi on train a doomed value proposition? Key points learnt from successes and failures

Appear Networks – Xavier Aubry, CEO

Small vendors (Pointshot, Broadreach, Qinetiq) have been the casualties of ill-prepared business cases (B2C-only instead of B2E and M2M). The best technical designs (SNCF project) are combining local content (stored on board) with real-time connectivity.

12.40 Wireless applications in a mobile world

Digital Grape – Dave Gorskov, CEO

Wireless connectivity is changing at a rapid pace and this overview paper is intended to focus on some of the latest changes, how they are being implemented and the pros and cons of 3g v 4g v WiFi, etc.





WEDNESDAY 5 NOVEMBER DAY 2 – AFTERNOON SESSION

MODERATOR - Dave Gorskov, CEO, Digital Grape

The networked railway – developments, passenger infotainment and future applications

- 13.05** **Train communications for passenger entertainment, operational applications and enhanced security – where are we today and where next?**
Nomad Digital – Jay Saw, commercial director
Jay Saw will outline developments in the continued evolution of train communications for passenger entertainment, operational applications and security enhancements, particularly focusing on the past 12 months. The primary aim will be to communicate the successes made and what the future holds
- 13.30** **WiFi on trains – making the business case**
Lloyds Register Rail Europe – Hans de Grauw, senior consultant
How a shared infrastructure can lower costs per application and still meet all the requirements, while making the best use of scarce resources and making upgrading of vital components easier as well.
- 13.55** **IBBT Tr@ins project**
Ghent University - IBBT – Jan Van Ooteghem, researcher & Daan Pareit, Phd Student
The IBBT Tr@ins project has studied broadband wireless access solutions for train commuters, dealing with movements of passengers and crew in the train and high-speed movements of the train, from a technical as well as a business perspective.
- 14.20** **Mobile digital signal – why digital signage has finally reached into the trains and buses of today**
Inova Multimedia GmbH – Frank Lichomski, managing director
The latest developments in wireless communication and affordable mobile screens have made it possible to reach the captive audience inside our public transportation systems. Who is profiting from this development and what precautions are being taken?
- 14.45** **Portable media on the rails – PMPs give passengers freedom of movement, choice and connectivity while riding the rails. The diversity available in modern devices presents options for entertainment as well as for business practices. ITE is as robust as IFE!**
digEcor – Brian Lynch, vice-president, sales
This presentation will discuss, revenue share models, distribution and collection, establishing provisioning assets for large rail networks, labour-reduction initiatives, content selection for movies, music, TV, video games, price point initiatives and luxury packages.
- 15.10** **Private branded online entertainment store for in-station/on-board kiosks – downloading and custom DVD burning**
Raging River – Web Barth, president
Five years ago the principals of Raging River developed the very first portable video hard drive players for the airline industry worldwide and railroads in North America. This presentation looks at state-of-the-art solutions for infotainment on board.
- 15.35** **FORUM FINISH**
- 16.00** **Presentation of the Railway Interiors Expo ‘Innovation and Excellence’ Awards followed by the winners’ drinks party**

● END ●

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RAILWAY
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‘Innovation and
Excellence’
**AWARDS
2008**



**THURSDAY 6 NOVEMBER DAY 3 – MORNING SESSION****MODERATOR** - Peter Briggs, Business Development Manager, Bodycote WarringtonFire**Safety – fire standards, techniques and protection developments, plus a review on crashworthiness**

10.10

The European fire safety standard CEN TS 45545

GETA GmbH – Jochen Wieschermann, director of technology

This presentation will review the progress of CEN TS 45545 on the fire safety standards for rolling stock.

10.35

Validation and usage of fire safety engineering techniques in railways

LNE - Laboratoire National de Métrologie et D'Essais – Eric Guillaume, head fire studies

Fire safety engineering can be applied in railways for interior design of coaches and to check the conformity of a train with fire resistance of the infrastructure. Essential exigencies of TS EN 45545 and TSI high-speed can be studied with FSE.

11.00

Determination of fire effluents from products on railway vehicles

Bodycote WarringtonFire – Beth Dean, chief analyst

Current national and future European test methods and regulations for fire effluents will be reviewed, and the challenge to estimate safe evacuation times in the event of a fire on board will be presented.

11.25

Actual developments of fire protection systems for rolling stock applications

FOGTEC Fire Protection – Roger-Andre Dirksmeier, product manager rail system

There have been changes related to approval bodies – particularly their guidelines. There are also new directives on the way related to fire detection and fire-fighting on board. This presentation will give a short overview of these developments.

11.50

SAFEINTERIORS: review of work carried out to date

Bombardier Transportation – Professor Dr John Roberts, Chef de Service Centre of Competence Crash Safety

With the reduction of risks stemming mainly from active safety and structural crashworthiness, the industry is now addressing the remaining areas of risk to define further survivability measures in the SAFEINTERIORS FP6 project. This paper reviews the progress of the SAFEINTERIORS project, which has now achieved the following results: appraisal of state-of-the-art design practices, analysis of accident statistics, identification of relevant crash pulses and new and relevant injury criteria. Ultimately the project will make recommendations for TSI and CEN.

Refurbishment – reusable and sustainable resources and efficient maintenance

12.15

Renovation of Thalys

Enthoven Associates Design Consultants n.v. – Axel Enthoven, president

As co-responsible for the Thalys refurbishment design, Axel Enthoven explains the creative blend of new and existing elements, and focuses on choice of colour and materials that play a key role in improving maintenance and appearance during many years of service.

12.40

Driving costs down in train refurbishment projects

ADSE BV – Jan Verbeek, senior consultant and partner

This presentation will give an insight into a comprehensive design and industrialisation approach to drive costs down in the refurbishment of train coaches. Modular design, design to cost and design for logistics principles will be discussed.

13.05

Key lessons for maximising value from train refurbishments (based on refurbishing all the First Great Western and First Capital Connect Fleets)

Jones Garrard Move – Michael Rodber, director

The presenter will give an industrial designer's perspective on refurbishing fleets of high-speed trains, DMUs and EMUs. Content will include strategies, team relationships, specifications, tender evaluation and relationships with contractors. Ultimately how to maximise value.

13.30

Passenger railways in Canada - Welcome aboard!

Railway Association of Canada - Cliff Mackay, president and chief executive officer

The speech will provide a brief overview of the current situation for passenger rail trends in Canada and discuss future trends, with particular emphasis on commuter rail development and the development of high speed intercity passenger rail capacity. The speaker will also discuss the Canadian technological and manufacturing expertise in the area of passenger rail.

13.55

Preservation of train exterior and interior – powerful means against graffiti

Res-bona Scandinavia Aps. – Jesper Thillerup Rasmussen, technical director

This presentation will discuss innovative anti-graffiti protection inside and outside trains (metal, lacquer and plastic parts); corrosion and easy-to-clean surfaces for inside (WC) and outside (glass) the train as well as on the lacquer/bogies. Plus graffiti removal and the research that goes into this protection and cure.

14.20

FINISH

END

*This programme may be subject to change

'Innovation and
Excellence'
AWARDS
2008

Don't miss the second Railway Interiors Expo 'Innovation and Excellence' Awards, which will be presented LIVE at the show at 16.00hrs on Wednesday 5 November 2008.

Register online NOW for your complimentary pass to join our winners' drinks party after the awards presentation!

Covering every class of passenger rail vehicle from urban tram to high-speed train, these awards have been designed to recognise and reward the rapidly increasing sophistication of rail-car interior design, equipment, technology and furnishings.

For more details visit:
www.railwayinteriors-expo.com



PARTICIPATING ORGANISATIONS AND SPEAKERS (as of 17 September 2008)

ADSE Consulting & Engineering • Aerolux • Appear Networks • Assyst Bullmer Intelligent Solutions • Avant Premiere • Axminster Carpets Ltd • Baultar • Bayer Material Science AG • Beamlight Automotive Seating • Bentech Inc • Birley Manufacturing Limited • Bodycote Warringtonfire • Bombardier Transportation • Bonansea • Bonar Floors • BOXMARK Leather GmbH & Co KG • BRE Global Limited • Britannia Catering • Caterbrands BV • Cellform AG • Chef in a Box • Cinnamon (UK) Ltd • Clerprem • Click Bond Inc • CML Innovative Technologies • Compin Group • CP Films Vertriebs GmbH • Creative Design • Crepim • Dan Dryer • Design Triangle • Dialight • digEcor • Digital Grape • Direct Air Flow • E Schoepf GmbH & Co KG • ECCO Design Inc • Elite Composite Products • Enthoven Associates • Epengle Tekstil Endustri A.S • Eupa • European Passengers' Federation • Exopack Advanced Coatings • FBS International • Fleetshield B V • FOGTEC Fire Protection • Forbo Flooring Systems • Gerflor • GETA GmbH • G G Schmitt & Sons Inc • Ghent University - IBBT • Glova GmbH • Graboplast Ltd • Gudbrandsdalens Uldvarefabrik • Hexis • Icomera • Independent Glass Ltd • Industries de la Fusta Villa • InfoGLOBAL • Inova Multimedia GmbH • Invertec • Jones Garrard Move • Jupiter Group • KeTech • Koshii Maxelum America Inc • Kraft Foods • Lantal Textiles • Lectra Benelux NV • Lloyd's Register Rail Europe • LNE – Laboratoire National de Métrologie et d'Essais • Lotus Bakeries NV • LPA Excil Electronics • Ludvig Svensson • Lunar Catering • MBD Design • Nederlandse Spoorwegen • Nielgard of Scandinavia • Nokia Siemens Networks • Nomad Digital • Nora Systems GmbH • Precision-Cast Components Ltd • Primasil Silicones Ltd • Q-Straint • Raging River • Railway Association of Canada • RCP Design Global • Res-bona Scandinavia Aps • Ring Mekanikk AS • Sabic Inovation Plastics IP BV • Saira Alluminio • SAVAS • SEC Lighting • Semvac A/S • Siemens AG • Sola Airline Cutlery BV • Solari • Sovereign Planned Services Online • Stellar Travel Supplies BV • Stratiforme • Svensson Markspelle • Thalys International • Tiflex • Trioplast • TTG UK • TU-Vienna Institute for Railway Engineering • UK Trade and Investment • Vitalo Industries NV • West Midlands Rail

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YOUR ARRANGEMENTS

TRAVEL



AIR TRAVEL

From Amsterdam Airport Schiphol the venue is only 15 minutes by taxi or train. A taxi from the airport to the venue will cost approximately €10-15. Trains run directly from the airport to the Amsterdam RAI station, where you will then be able to see directional signage to Hall 11 and Railway Interiors Expo. The walk from the Amsterdam RAI station to Entrance C takes approximately 5-10 minutes.

RAIL TRAVEL

The venue has its own dedicated train station – the Amsterdam RAI station – with direct connections to Rotterdam, the Hague, Leiden, Weesp, het Gooi and the Flevo polders.

It is possible to take intercity trains directly to Amsterdam Airport Schiphol from Roosendaal, Belgium. Here you will need to change trains for the Amsterdam RAI station. If you are travelling by train from Arnhem, Germany, the fastest way to the venue is to take the train to Amsterdam Duivendrecht station, where you will need to change trains to the Amsterdam RAI station.

Once at the Amsterdam RAI station you will be able to see directional signage to Hall 11 and Railway Interiors Expo. The walk from the Amsterdam RAI station to Entrance C takes approximately 5-10 minutes.

TRAM & BUS TRAVEL

From Amsterdam Central Station (CS), you can take the Amstelveen express tram 51 (travelling time: 12 minutes, exit at the Amsterdam RAI station) or tram 4 (travelling time: 30 minutes, exit at the RAI Europaplein).

If you are travelling by train to the Amstel station, you can take the Amstelveen express tram 51 (travelling time: 5 minutes) or the bus (route 15, 69 or 169), which will bring you to the RAI within 10 minutes. In this case you should get off at RAI Europaplein. From Amsterdam Sloterdijk station, the best way to reach the Amsterdam RAI is with express tram 50.

The walk from the RAI Europaplein to Entrance C takes approximately 2 minutes.

CAR TRAVEL

Situated alongside Amsterdam's A10 orbital motorway (exit S109) and with numerous road signs, the Amsterdam RAI is easily accessible by car. Parking is also easy, as the venue has its own underground car parks.

If you are using a route planner, navigate to: Europaplein 22, 1078 GZ Amsterdam, The Netherlands

THE VENUE

Railway Interiors Expo 2008 will be held in Hall 11 of Amsterdam RAI in Amsterdam, the Netherlands. Visitors should enter the exhibition centre via Entrance C.

THE CITY



Amsterdam's appeal lies in its rich cultural heritage, diverse and creative culture, commercial dynamism and high quality of life. With one of the world's major hub airports, handling over 46 million passengers in 2006, and an extensive public transport system, Amsterdam is easily accessible by road, rail and air.

HOTEL INFORMATION

The RAI Travel & Hotel Service has been appointed as the official hotel agent for Railway Interiors Expo 2008.

If you have any hotel queries please contact them at hotelservice@rai.nl or telephone +31 20 549 1927.

SHOW HOURS

Tuesday 4 November	10.00hrs – 17.00hrs
Wednesday 5 November	10.00hrs – 17.00hrs
Thursday 6 November	10.00hrs – 15.00hrs

CONTACT DETAILS



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