

# BRUSSELS

**12th UIC ERTMS WORLD CONFERENCE 2016**

29 February - 02 March 2016

MANAGING  
LONG TERM SAFETY INVESTMENT  
IN A RAPIDLY CHANGING WORLD



Under the High Patronage of  
Service public fédéral Mobilité et Transports Belgium



**INFRABEL**  
Right On Track



# MANAGING LONG TERM SAFETY INVESTMENT IN A RAPIDLY CHANGING WORLD

Dear Colleagues,  
Dear conference attendees,

Infrabel and UIC are very pleased to jointly organise the 12th ERTMS World Conference.

For many years, Infrabel has been committed to supporting ERTMS both on the national and European stage. We firmly believe that the move in favour of the ERTMS signalling solution will lead to huge changes in the way that we run our trains.

To start with, ERTMS will make rail transport even safer, which is the number one priority for us all. Furthermore, it will have a positive effect on our performance in terms of punctuality and rail network capacity.

We are convinced that a conference of this kind is beneficial to all attendees. It is the ideal time and the perfect platform to exchange experiences and knowledge and establish relationships for the future. It will become increasingly important to share knowledge with one another over the next few years. Now that we are gradually shifting from system development to the roll-out of ERTMS, there are bound to be many challenges along the way. We strongly believe that UIC and the supporting network can help to organise this migration and ensure its success.

Lastly, we trust that you will enjoy all that Brussels has to offer. Some of you are frequent visitors to our capital, while others may seize this unique opportunity to make their first visit to the capital.

We encourage you to sample the delights of this wonderful city during your free time – a sense of history and diversity lies around every corner.



Luc Lallemand  
CEO INFRABEL



Jean-Pierre LOUBINOX  
Director General UIC

# MAIN TOPICS

The conference will be held on 1 and 2 March 2016 at the conference center "Square Brussels meeting center". The programme consists of one opening session, 7 themes sessions, a closing session, plus access to the exhibition area.

The main structure of the conference for 1 and 2 March 2016 will be as follows:



THE 12TH UIC ERTMS WORLD CONFERENCE 2016 WILL BE HELD AT THE "SQUARE MEETING CENTER"

**S**UARE  
BRUSSELS MEETING CENTRE

Mont des Arts - Kunstberg - 1000 Brussels - Belgium  
T +32 (0) 2 515 1300  
info@square-brussels.com  
www.square-brussels.com

The Square is an attractive location in the Centre of Brussels city, prized for its position and practicality, situated in the cultural quarter of Brussels in front of the Central Station, with easy access to train connections and accommodation.

**01**  
MARCH

## 🕒 OPENING SESSION

### Session 1 Long term vision on Safety, Security and Testing

Risk management; IT/cyber security; How to deal with the digitalization of the railway sector; Challenges of introducing IP technologies to Railways, GSM-R QoS requirements; experiences of lab testing vs. field testing; Network security; Transition management; Human resources aspects.

### Session 2 Migration

Interoperability at border crossings or inside a country; GSM-R interference and envisaged solutions; Maintenance efficiency and cost reduction for Legacy CCS systems; Migration scenarios, national philosophies and best practices.

### Session 3 Global opportunities and challenges

Development and implementation of ERTMS outside Europe; New lines and new environments; Technological changes and different standards to consider; A fair competition among suppliers as a result of a worldwide standardization effort.

**02**  
MARCH

### Session 4 Telecom

GSM-R evolution towards IP and PS; dispatchers, network, ERTMS data transmission; ETSI specifications/ EIRENE and GSM-R specifications evolution in line with TSI; Applicability to network and mobiles; Equipment readiness and capability of ensuring transition; Interference from Public operators, existing solutions, implementation planning, coordination processes put in place, risk mitigation.

### Session 5 Financing + Asset Management

Business cases; Understanding and evaluating the return on investment; Optimization of financial resources; Long term strategy for investments and visibility of financial effort; System versioning and updating vs. securing the value of investments in the future; Support required by small-medium RUs

### Session 6 Operations

Training/Traffic Management/ asset maintenance, how to deal with different environments for L1LS

### Session 7 Evolution

Technological Innovation; IP based Radio; Private network (GSMR) vs. public networks: pro/contra; use of satellites, where and how; Automatic Train Operation with ERTMS, when and how, which interfaces; ERTMS L3, the reasons for a possible development, required min trackside train detection devices.

## 🕒 CLOSING SESSION

Find the complete preliminary programme online:

<http://www.ertms-conference2016.com/Conference-preliminary-programme#General-preliminary-programme>

# TECHNICAL VISITS

THE TECHNICAL VISITS TAKE PLACE  
ON 29TH FEBRUARY,  
AND ARE ORGANISED BY INFRABEL

FIRST  
COME,  
FIRST  
SERVED!



Technical Visits Programme,  
organized by INFRABEL, 29th February 2016

Participants will have the choice between 2 groups:

- Group 1: Visit to Antwerp Central station and Train World Museum
- Group 2: Visit to Liège Central station and Train World Museum

## GROUP 1

Visit to Antwerp Central station and Train World Museum for 250 participants

- 13h Welcome and registration at the Square center
- 13h30 Departure on foot to Brussels-Central station
- 14h Train departure at Brussels-Central station to Antwerp-Central station
- 15h Arrival at Antwerp-Central station + break with snacks and drinks at Antwerp-Central station
- 15h30 Guided tour of Antwerp-Central station
- 16h45 Departure to Schaerbeek/Train World Museum
- 17h45 Arrival at Train World, and visit to Train World Museum
- 19h30 Cocktail


## GROUP 2

Visit to Liège Central station and Train World Museum for 250 participants

- 13h Welcome and registration at the Square center
- 13h30 Departure on foot to Brussels-Central station
- 14h Train departure at Brussels-Central station to Liège station
- 15h15 Arrival at Liège + break with snacks and drinks at Liège station
- 15h30 Guided tour of the Liège station
- 16h45 Departure to Schaerbeek/Train World
- 18h00 Arrival at Train World, and visit to Train World Museum
- 19h30 Cocktail


## DELEGATE REGISTRATION

Register as a UIC ERTMS WORLD Conference delegate to exchange and share your knowledge: This entitles you to attend the 2 day conference at the "Square meeting center" in Brussels, the technical visit and social events, (Cocktail ceremony, gala Dinner, after drink), registration fees and practical information are available on the official website:

 <http://www.ertms-conference2016.com/Delegates-registration>


## EXHIBITOR REGISTRATION

Register as a UIC ERTMS WORLD Conference exhibitor to share the view and innovation of your company: The UIC ERTMS Trade Exhibition will take place in Hall 2 of the Square Meeting center, close to the venues where the opening ceremony, the sessions and the closing sessions are planned to be held. All Coffee breaks and lunches will be held in the Exhibition area. This location will definitively facilitate excellent synergies and contacts between the participating delegates and the exhibitors.

 Download the Exhibitor manual and book your stand on the official website: <http://www.ertms-conference2016.com/Exhibitors-manual-exhibitors>


## SPONSORING OPPORTUNITIES

Be part of the UIC ERTMS WORLD Conference as an official sponsor. Taking part as an official sponsor of the conference, at the Square Meeting center, close to the venues where the opening ceremony, the sessions and the closing sessions are planned to be held, will raise the profile of your company: This location will definitively facilitate excellent synergies and contacts between the participating delegates, sponsors and the exhibitors.

 Download the sponsoring opportunities on the official website: <http://www.ertms-conference2016.com/Sponsoring-opportunities>


## MEDIA REGISTRATION AND ACCREDITATION

All press and media enquiries should be sent directly to the UIC Communications Department

 Download the form on the official website: <http://www.ertms-conference2016.com/Media>

## ACCOMMODATION

There are a number of hotels near the conference venue, ideally located in the city center at the heart of the cultural quarter. The central railway station nearby offers easy access to train connections and other modes of transport. We offer you a wide choice of 3, 4, and 5 \* hotels.

 Book your hotel online on the official website: <http://www.ertms-conference2016.com/Accommodation-book-your-hotel-on>



If you need any further information concerning this major event, please contact:

### **ORGANISATION**

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For more information and booking details, please visit the website

**[www.ertms-conference2016.com](http://www.ertms-conference2016.com)**