

World rail research

All major players of world's railway research expected at WCRR 2008 in Seoul, Korea, on 18-22 May 2008

UIC assemblies, Executive Board, General Assembly and Regional Assembly Asia to be held in Korea in connection with WCRR



WCRR 2008, the 8th World Congress on Railway Research, is to be held in Seoul, Korea, on 18-22 May 2008. This event which has become the world-wide reference for all stakeholders involved in railway research should attract around 600 to 700 participants to Seoul, including high-level representatives and experts from railways, rail manufacturers and associated industries (information technology, telecommunications, ..), research institutes, universities, consultants, together with representatives of international institutions involved in rail transport development. WCRR 2008 will include the World congress as well as a Trade exhibition at Seoul COEX Center and an exciting programme of technical visits.



700 research stakeholders gathered on the theme "Progressing together" at the last edition of WCRR in Montreal in June 2006.

WCRR 2008 will include the World congress as well as a Trade exhibition at Seoul COEX Center and an exciting programme of technical visits.

The main theme of WCRR is "**Towards a Global Railway**". Around 300 papers from eminent researchers will be presented through the programme of 50 sessions.

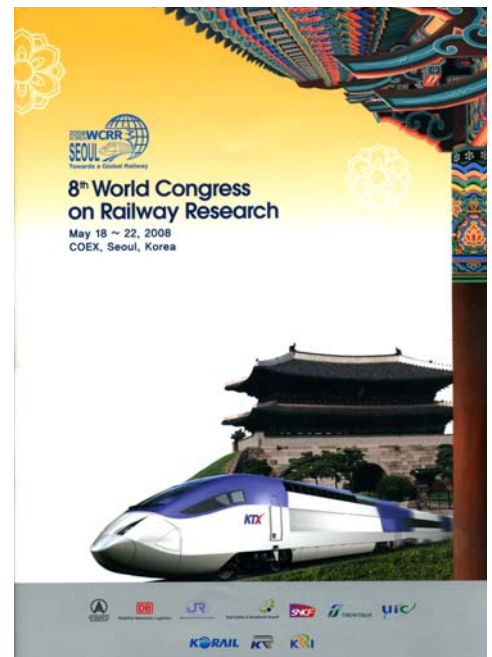
Three Plenary sessions will be dedicated respectively to

- "Technology innovation and its implementation around the world" (19 May 2008),
- "Impact of technology to improve capacity and efficiency" , related to Infrastructure, Rolling Stock, Operation (20th May),
- "Towards a Global railway" (21st May).

There will be additionally a large number of "interactive full or short presentations".

WCRR 2008 is organised by Association of American Railroads (AAR / TTCI, USA), DB (Germany), Korail (South Korea), JR / RTRI (Japan), Rail Safety and Standards Board, RSSB (UK), SNCF (France), FS / Trenitalia (Italy) and UIC (International Union of Railways). The WCRR 2008 Host organisations in Korea are Korail (Korea Railroad Corporation), Korea Rail Network Authority (KRNA) and Korea Railroad Research Institute (KRRI). The preparation of the congress is supervised by the WCRR ORG Committee (Research senior executives, Committee chaired by Mr. *Byung-Ok Lim*, from Korail) and the Executive Committee (in charge of the preparation of the scientific content).

UIC has planned to hold its assemblies in Seoul in connection with WCRR, at the kind invitation of Korail President. Meetings will include UIC Executive Board and General Assembly, UIC Regional Assembly for Asia and opening of the "International Railway Training Centre for UIC Asia" IRaTCA.



For more information please visit the WCRR website: www.wcrr2008.org

Sustainable Development

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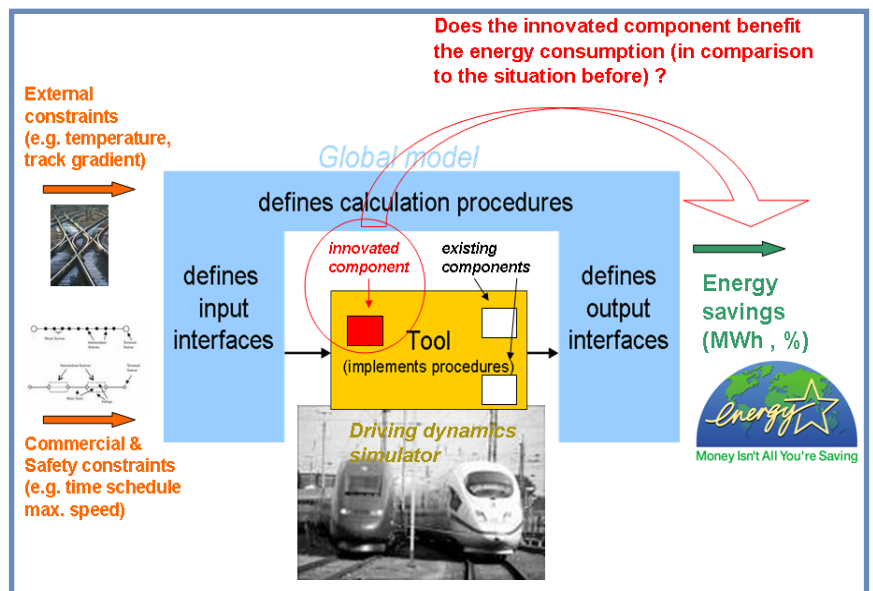
The FP 6 (Sixth Framework Programme) project "Railenergy" is on the right track. The detailed definition of the work, interaction between the work packages and the setting of the major milestones has been hard work so far but has been successfully managed now.

With 26 partners all over Europe finding a common way ahead is challenging and intensive discussions about the general vision and outputs cannot be avoided in a team of numerous equal partners. The happier we are now starting to present the first steps we made and the first milestones we have reached. Starting with this article we would like to update you regularly on the Railenergy project and results, the major contents and outputs.



A major objective and output of the project is the **Railenergy Global Model** (Work package 2.1 in SP 2 lead by UIC and Macroplan with strong support by Siemens Transportation Systems). It is a standardized methodology for energy calculation. There is unfortunately still a lot of confusion what this

Railenergy Global Model is about and supposed to be or to do. As Railenergy is closely linked to a couple of UIC projects we want to support a transfer of knowledge and information. With this article we would like to provide some general information about this important topic and invite you to contact the UIC (wiebe@uic.asso.fr) or UNIFE (igor.alonso-portillo@unife.org) key contact persons directly.



The **Railenergy Global Model** is a detailed description of a complete railways systems that allows a calculation of the system wide energy impacts of

- vehicle technologies
 - physical and electrical infrastructures (track, electrification)
 - operational aspects (time schedules, driving styles)
- The **Railenergy Global Model** comprises input interface definitions, foundations of calculation procedures and output interface definitions. Integration of work provided by different work packages and technology pillars becomes feasible with these guidelines.

The actual calculations are performed utilizing a commercial simulation tool like Sidytrac, Fabel, Sinanet. Theses tools are not part of the **Railenergy Global Model**. The **Railenergy Global Model** does neither resemble the combined functionality of all available tools, nor is reduced to the common factor. But, of course the **Railenergy Global Model** incorporates the best practices known from the commercial products as long as Railenergy relevant topics are addressed. As very different types of technologies are developed within Railenergy, which are applied to different use cases, the **Railenergy Global Model** directs the user to several levels of evaluation.

The **Railenergy Global model** will define the standard for energy related calculation procedures in the railway world in future.

For more information please contact: igor.alonso-portillo@unife.org or wiebe@uic.asso.fr or visit the website www.railenergy.org

Security

International partnership on security

The Multidisciplinary Group of experts on Inland Transport Security, where UIC was represented by *Jacques Colliard*, Manager of the Security Centre of competence, adopted its report during its fourth session the 25 January 2008. This report will be submitted to the Inland Transport Committee on 18 February 2008.

The Group kept in mind that, as the global policy in security matters is in most of the countries a competence of the Ministers of Home Affairs and / or Justice, the actions undertaken by the

Ministers of Transport have to be in line with this global policy. He thought also that, if urban transport ids often run under control of local or national authorities, as it has been one of the main targets of terrorism during the last years, an effort should be made on international level to tackle this aspect of transport security.

This report takes stock of what was done on security topics, in the various working parties, and formulates some recommendations.

Within this framework, it is suggested among other things, and as far as dangerous are concerned, to assess the implementation of chapter 1.10 of international agreements for the various modes: road, waterways and rail (ADR, AND, and RID).

An other item is that Russia, with the assistance of UNECE (UNECE : United Nations Economic Commission for Europe) may convene an international conference to address issues of future co-operation in inland transport security, due to the observation that there is for now no international body for land transport security, of both goods and passengers, equivalent to IMO (maritime) and ICAO (aviation).

Finally the joint workshop asked to UIC by UNECE Rail Transport working party should take place in November 2008. It will focus on:

- responsibilities of national authorities and railway companies,
- rules and procedures,
- use of technology.

The Member States could adopt recommendations for 2009 after this workshop.



The meeting of the Multidisciplinary Group of experts on Inland Transport Security was held in Geneva at UNECE HQ. on 25 January.

For more information please contact Jacques Colliard: colliard@uic.asso.fr

Infrastructure

FP7 – Sustainable Surface Transport : Briefing day for contract negotiations and the INESS project (INtegrated European Signalling System)

On 1st February at the briefing day for contract negotiations, in Brussels EC Building Madou, Mrs *Luisa Prista*, Head of the Surface Transport Unit, welcomed the co-ordinators of FP7 1st call-projects who have been received the negotiation mandate.



She started congratulating all of us and put the emphasis on our big responsibility to manage about 200 MEuros.

A number of items were dealt with from negotiation to grant agreement signature and financial provisions. New IT tools have been set in order to manage electronically the whole process and a lot of news with respect to former research framework programmes.

UIC have been there as INESS project co-ordinator together with UNIFE *P. De Cicco*, and project manager *E. Buseyne* (from INFRABEL).

The day before, the first informal negotiation meeting took place in Brussels. The INESS delegation was led by *P. De Cicco* and *F. Heijnen* (UNIFE) and made of DB, INFRABEL and ALMA. The meeting, held in a great atmosphere, focused on real project outcomes not hiding difficulties and challenges. The INESS work plan was presented and frank discussions followed animated by all the delegation. The EC Project Officer was quite satisfied and the formal negotiation will start soon.

For further information please contact Mr Paolo de Cicco: decicco@uic.asso.fr –INESS project co-ordinator.

High Speed Rail

UIC HIGHSPEED 2008 (17-19 March, Amsterdam)

Six weeks from now, *UIC HIGHSPEED 2008*, the 6th world conference on high speed rail, will take place in Amsterdam.

Under the patronage of the United Nations, Vice-President of the European Commission, *Jacques Barrot*, and the Mayor of Amsterdam, *Job Cohen*, UIC is organising this leading world event alongside NS (Dutch railways) NS Hispeed (Dutch railways' high speed rail operator), ProRail (Dutch rail infrastructure manager) and with the active support of the leading railway associations (CER, EIM, UNIFE).

UIC HIGHSPEED 2008 is bringing together 1 500 decision makers and stakeholders driving the development of high speed rail systems.

The main theme of the conference is “**Fast Track to Sustainable Mobility**”. The objective of the conference is to demonstrate that high speed rail systems represent an optimum solution to meet the current and future challenges of demand for mobility and sustainability all around the world. The crucial issues – ranging from political aspects, economic and funding models to commercial innovation and trends in technological developments – will all be addressed in depth.

In addition to the world congress, the **UIC HIGHSPEED 2008 Trade Exhibition** will provide an extensive exhibition space that will give an in-depth view of developments relating to systems, technology and services as well as provide the unique opportunity to forge new personal and professional ties.

Furthermore, a series of **Technical visits** will give participants the chance to see for themselves the development of new high speed rail lines in the Netherlands. This major project introduces many new innovative features such as construction on unusual terrain and below sea level in many places, the Rotterdam – Schiphol airport ballastless track, exclusive use of ETCS level 2 signaling and the range of long distance and regional services.

Amsterdam 2008
UIC **HIGHSPEED**
 6th World Congress on High Speed Rail

Fast track to Sustainable Mobility

3-day Congress Programme and Trade Exhibition
 Technical Tours - Tourist Tours & Trips



17-19 March 2008

Amsterdam RAI The Netherlands



Under patronage of
 Jacques Barrot, Vice President
 of European Commission



Organisers



In cooperation with



www.uic-highspeed2008.com

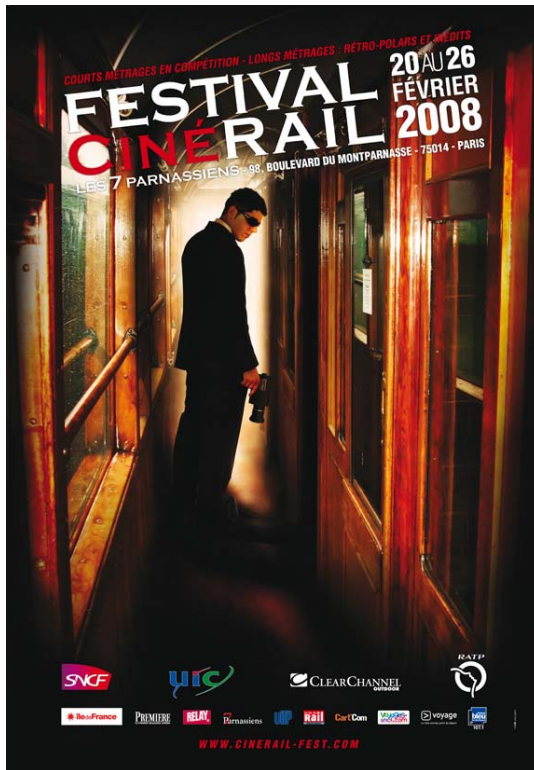
Of the four visits scheduled, one will be by train, one on foot, one by boat and the last by bicycle – the latter in order to illustrate how the environmentally friendly new infrastructure blends into the landscape – a topic that is very dear to the hearts of the Dutch.

For more information on the Congress and Trade Exhibition please visit the **UIC HIGHSPEED 2008** website:
<http://www.uic-highspeed2008.com/>

You can find the latest programme on : <http://www.uic-highspeed2008.com/documents/brochure.pdf>

Forthcoming Events

**16th International Festival
Train & Metro on Film "CinéRail"
(Paris, 20-26 February)**



Please visit: www.cinrail-fest.com/

**EIM Conference
"En-route to Rail Sustainability"
(Brussels, 13 February)**

EN-ROUTE TO RAIL SUSTAINABILITY
CONFERENCE
SOFITEL BRUSSELS EUROPE

Dear Ladies and Gentlemen,

EIM along with the partner organisations EFRTC, ERFCP & UIC wish to promote long-term financial stability for the rail sector. The many reasons for this, including the beneficial impact longer-term planning would have on the environment, will be explored during the

En-Route to Rail Sustainability Conference 2008
13th of February 2008 at Sofitel Brussels Europe

A predictable planning environment for all stakeholders and especially the Infrastructure Managers is imperative to achieve efficiency in long-term spending on the network. Efficiency cannot be reached if there is no clear strategy for the use of the network and the required level of performance. Multi Annual Contracts can increase the financial stability of the Infrastructure Managers, among others by minimising the "stop/go" effect of annual state appropriations.

Many exciting speakers, including MEPs Michael Cramer and Anne E Jensen, will be attending. EIM and its Partner Organisations are also pleased to announce that Peter Verlic, the Slovenian Secretary of Transport will speak on the priorities of the Slovenian Presidency and take part in the round table discussion on long-term financing agreements. The European Commissioner for Transport Jacques Barrot will close the day, speaking on "Greening the Transport Sector".

→ [Click here to discover the conference program on our website](#)
→ [Click here to register online](#)

We look forward to welcoming you.

M. Robson EIM	I. Korpanec EFRTC	M. Falchi ERFCP	L. Atladière UIC
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Partner Organisations:

13 02 08

Please visit: www.eimrail.org



Second GEORAIL Workshop (Paris, 27 February)

The infrastructure Department of UIC is inviting you to a workshop presenting the relevant achievements in the domain of absolute coordinates' applications in the rail system and will enable discussion, reflection and analysis of the way forward in the direction of railway progress by means of the new positioning technologies.

Coordinates, geodetic measuring methods and suitable instrumentation have been in use on the railways since they came into existence. Railway history is marked by the steady improvement and diversification of the methods and instruments used for the positioning of the railway infrastructure, of assets and of moving trains within a geodetic frame.

The last 15 years have raised the need for solution to problems of harmonised use of absolute coordinates in the scope of enhancing interoperability, improving the performance, and encouraging the extensive use of automation methods.

The use of CNTD has an immediate application within the rail track construction and maintenance with significant benefits and impact on the track quality, automation, shortage of duration of work, interoperability. The analysis of other application areas of the CNTD shows that interoperability and operational benefits will importantly increase if harmonised absolute coordinate will be largely applied.

The UIC has therefore taken a leading role in the elaboration of the guidelines for applying the CNTD* within the railway system, more specifically through the UIC leaflet 728 which recommends the application of the absolute coordinates CNTD to the track work system.

For the second time, UIC is inviting you to a workshop to be held on February 27, 2008 at UIC.

(*CNTD stands for the Coordinate based continuous Numerical Track Description within the European standard geodetic system ERTF89).

*For more information on the Workshop, you can consult the UIC website.
Registration is mandatory; please send the enclosed form to tanguy@uic.asso.fr*

Next meetings scheduled

Februray 2008

- * 4-6 February 2008: UIC 612 (Kreuzlingen, Switzerland)
- * 5 February 2008: SMG Working Gruop (Paris)
- * 5-7 February 2008: 4th validation Meeting (Florence)
- * 7 February 2008: Braking gear emission project meeting (Paris)
- * 7 February 2008: Security Platform WG (Varsovie)
- * 8 February 2008: CER SG WP 14-1 (9) (Paris)
- * 8 February 2008: Steering Committee - Security Platform (Varsovie)
- * 12 February 2008: Industry / SP6 systems approach to LCC (Paris)
- * 12-13 February 2008: Panel of Structural Experts (Paris)
- * 13 February 2008: PoSE - TEG Joint Meeting (Paris)
- * 13-14 February 2008: 5th Track Experts Group meeting (Paris)
- * 13 February 2008: EIM Conference "En-route to Rail Sustainability" (Brussels)
- * 14 February 2008: Wagon Users Study Group (Paris)

- * 14 February 2008: Occupational Health and Safety Group (Paris)
- * 14-15 February 2008: L'environnement du conducteur (Paris)
- * 19 February 2008: CER SG WP 10.5 Meeting 17 (Munche)
- * 19 February 2008: Crossborder Operations Workshop (Paris)
- * 19 February 2008: Legal Group Meeting: Information Session (Paris)
- * 20 February 2008: ERTMS Platform - 6th Steering Committee (Paris)
- * 20 February 2008: UIC European Management Committee (Paris)
- * 20 February 2008: Legal Group Meeting: Plenary Session (Paris)
- * 20 February 2008: CER Management Committee (Paris)
- * 21 February 2008: SSMG - System Safety Management Group (Brussels)
- * 21-22 February 2008: International Conference "Development of Railway Stations in Russia" (Moscou)
- * 25-28 February 2008: EuroRail 2008 (Milan)
- * 27 February 2008: GEORAIL Second Workshop (Paris)
- * 27 February 2008: Infrastructure Steering Committee (Paris)
- * 27 February 2008: XRail decision board (Brussels)

A Complete schedule of UIC meetings (as well as statutory meetings, events, conferences) is available through the UIC website: <http://www.uic.asso.fr/baseinfo/reunion/> or from the Home page : "Schedule of meetings".

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Communications Department, 4th February 2008

Thank you for your comments and suggestions.
For any additional e-mail address in your Railway please contact plaud@uic.asso.fr