

## Overview extra sessions

***Delegates of TRA 2010 are welcome to attend these symposia without any additional registration fee.***

### **“SHRP2 – Long lived bridges”**

**Tuesday, June 8, 2010 - from 13:45 to 15:00 hours and from 15:45 to 17:00**

**Thursday, June 10, 2010 – from 14:30 to 17:00 hours**

A symposium focusing on long-lived bridges, jointly sponsored by the Transportation Research Board’s Strategic Highway Research Program 2 (SHRP 2) and the Forum of European national Highway Research Laboratories (FEHRL), has been organized within the Transport Research Arena (TRA 2010) conference. The two-part symposium will be conducted in sessions held on the afternoons of Tuesday 8<sup>th</sup> and Thursday 10<sup>th</sup> June, 2010.

#### **Tuesday 8<sup>th</sup> June**

Keynote presentations: Long Lived Bridge Research in Europe and the United States

Visit to Poster Session on Long Lived Bridges

Panel Discussion: “Why do we need research on long lived bridges?”

#### **Thursday 10<sup>th</sup> June**

Review of SHRP 2 bridge renewal research in the United States

- Overview of work in progress in SHRP 2’s bridge renewal research projects
- Presentations on related work in Europe
- Questions by presenters seeking guidance from attendees

The purpose of this symposium is to enable SHRP2 and FEHRL researchers to report to the bridges and structures community on the status of ongoing research, and for them to seek comments and advice from each other and the attendees on their incomplete work that will enhance the chances of success of these projects and improve the quality of their results.

### **“Accessing transport research information”**

**Wednesday, June 9, 2010 - from 13:45 to 15:00 hours**

Information about transport research in the EU and the member states of the ERA is scattered and thus it is often difficult to access for those in need of it. The [Transport Research Knowledge Centre \(TRKC\)](#) attempts to bring together a maximum of this information, yet, there are numerous other databases and websites, which provide similar or complementary information. The aim of this session is to identify improvements in accessing transport research information for the benefit of end users. To this end, representatives from several different databases will briefly present their portals: TRKC, ELTIS, CORDIS (tbc), ENTrada, and Press4Transport. Representatives from different end user groups such as the research community, decision-makers and shapers, as well as industry will provide structured feedback on their experience in accessing transport research information. The session will be chaired by Prof. Tony May.

**“Implementing innovation”**

**Wednesday, June 9, 2010 - from 15:45 to 17:00 hours**

**Implementing Innovation** will address the challenges and opportunities faced in the road sector in building innovation. The session will not address research needs but rather examples of how road authorities can adapt to innovation. Elements of this will include case-studies from NRAs, the construction sector, research providers and the EC. The EC developments to encourage innovation in public procurement, the need for NRA's to innovate to address current and future challenges and the opportunities (eg Forever Open Road). Moderator is Hans-Josef Boos (CEDR Germany), speakers Bob Collis (TRL), Bouygues (tbc) and the EC (tbc).

**“ERTRAC Strategic Research Agenda”**

**Wednesday, June 9, 2010 – from 17:15 to 19:00 hours**

ERTRAC published its Vision 2030+ in 2009, and is now renewing its Strategic Research Agenda (SRA). The draft document is now in the public consultation phase, and ERTRAC would like to present this renewed SRA to interested parties in the road transport sector. During this session, the highlights will be presented and then discussed with the session participants. The information will be available on the ERTRAC website ([www.ertrac.org](http://www.ertrac.org)) as of the middle of May, and drafts handed out at the ERTRAC stand during the TRA. The moderator is ERTRAC Chairman Wolfgang Steiger (VW) and speakers are the Working Group Leaders Helene Niklasson (Volvo / WG Long Distance Transport), Sylvain Haon (POLIS / WG Urban Mobility), Ken Rose (CONCAWE / WG Energy and Environment), Gianfranco Burzio (CRF/ WG Safety) and Jean-Luc di Paola-Galloni (Valeo / WG Global Competitiveness).

**“Thinking Cars’ Television Documentary Premiere”**

**Wednesday, June 9, 2010 – from 17:15 to 19:00 hours**

**Thinking Cars** is a high-quality one hour television documentary produced for the purpose of raising public awareness concerning the availability of active safety systems, such as Electronic Stability Control, Lane Departure Warning, Automatic Braking, and e-Call. Production of Thinking Cars was funded by the European Commission Directorate for Information Society and Media within the Smartest Cars Video Project, supporting the public awareness pillar of the i2010 Intelligent Car Initiative. Broadcast of the documentary within Europe is expected later in 2010. This session will be the premiere showing of the documentary exclusively for the transport industry. The session will be chaired by Richard Bishop of H3B Media, producer of Thinking Cars.

**“Research Infrastructures for road research”**

**Thursday, June 10, 2010 - from 09:00 to 10:15 hours**

**Research Infrastructures for Road Research** will consider the experiences, needs and opportunities for world-class road research facilities. Research infrastructures such as testing facilities and demonstrators play an increasingly important role in the advancement of knowledge and technology and they make it possible to bring together a wide diversity of stakeholders to look for solutions to societal issues and help to shape scientific communities. RIs in the road sector as more needed than ever. A number of research results are available

and RIs should facilitate their transfer from laboratories to industry, SMEs and infrastructure owners and managers, contributing to the overall competitiveness of the European economy. This will allow roads and road transport to unleash their potential to answer a large number of the problems society is facing today, such as all-time availability of the network, low-cost and effective maintenance techniques, and how to use the infrastructure to advance society's goals as regards the environment and energy consumption. What is more, RIs can be networked so as to offer **research services** to a variety of users from different countries, thereby testing road structures and equipments under diverse climate and traffic conditions across Europe and the world.

The session will examine the political role of RIs, how RIs are managed and developed and the technical requirements for the RIs of the future in the fields related to road transport. The moderator will be Patrick Malléjacq (CEDR TGR - technical group research). Speakers - to be confirmed - will include DG Research, the European Strategy Forum on Research Infrastructures (ESFRI), industry stakeholders and member institutes of the FEHRL association.

**“Public perception/involvement in road research”**  
**Thursday, June 10, 2010 - from 11:00 to 12:15 hours**

**Public perception of roads** will look at the role of user perception of roads and how that might influence future research as well as the direct perception of the research done. Elements will include road user perception for roads (CEDR Road User survey) and FIA – what the priorities for the public are and how that might influence research and innovation, how the public could influence the research governance process and how the public is involved in research. This session will be chaired by Hans Jeekel (CEDR Netherlands). Speakers will include CEDR Road User (tbc), EC (Luisa Prista), FIA (Wil Botman) and a FEHRL member.

**“ERA-NETs”**  
**Thursday, June 10, 2010 – from 14:30 to 17:00 hours**

ERA-NETs are coordination projects funded under the European Commission's Framework Programme. They aim to facilitate the exchange of information between national owners of research programmes, the definition and preparation of transnational research support or research procurement activities, implementation of joint activities and funding of joint transnational research projects. As of 2010 there are about a hundred functioning ERA-NETs covering a wide diversity of thematic domains, such as ERA-NET TRANSPORT, ERA-NET ROAD, MARTEC... in the transport domain. They play an increasing role in the structuring of national research programmes and are established key players in the construction of the European Research Area. Most ERA-NETs now organise and place programme or project calls and are increasingly regarded as valued partners by research providers and other research programme owners.

**ERA-NETs** will consider the experiences of various transport-related ERA-NETs needs and opportunities for networking with the wider research community. Call themes and call procedures will be addressed. The session will examine the role of ERA-NETs and the increasing role they play in the construction of the ERA for transport. The moderator will Patrick Malléjacq (CEDR TGR - technical group research). Speakers - to be confirmed - will include DG Research, representatives of ERA-NETs such as ERA-NET Transport and ERA-NET ROAD, technology platforms such as ECTP (the European Construction Technology Platform) as well as research providers such as members of the ECTRI and FEHRL associations.

**“ROADIDEA”**

**Thursday, June 10, 2010 – from 14:30 to 17:00 hours**

**Friday, June 11, 2010 – from 9:00 to 17:00 hours**

**“E-frame”**

**Thursday, June 10, 2010 – from 14:30 to 17:00 hours**

Although the use of ITS Architectures as part of the implementation process is increasing, the full potential benefits that can be gained from their use are not always understood. In particular there is often some confusion about what ITS Architectures are, and where they fit in the ITS implementation process. This session aims to clarify these issues, including how a “FRAME” ITS architecture complements the European ITS Communications Architecture and communications standards. It will also introduce the 2010 version of the FRAME Architecture which includes support for services provided by cooperative systems. The speakers will be Richard Bossom and Alexander Frötscher from the E-FRAME project.

**“International Session on Vehicle Communication”**

**Thursday, June 10, 2010 – from 14:30 to 17:00 hours**

**“Miriam (Models for rolling resistance In Road Infrastructure Asset Management systems)”**

**Thursday, June 10, 2010 – from 14:30 to 17:00 hours**

The session will give the opportunity to stakeholders to learn more about and give input to the MIRIAM project. The objective of the project is to provide a sustainable and environmentally friendly road infrastructure by developing an integrated methodology for improved control of road transport CO<sub>2</sub>-emissions. The methodology will be implemented in road asset management systems to optimize the reduction of the part of vehicle CO<sub>2</sub>-emission related to road pavement conditions

The optimization of pavement quality and condition in relation to CO<sub>2</sub>-emission and energy consumption supports the sustainable road transport issues in relation to environmental impact and will result in better quality of life for society in general.

**“Road Transport Research cooperation between Europe and ICPCs ”**  
**Thursday, June 10, 2010 – from 14:30 to 17:00 hours**

**Road Transport** Research cooperation between Europe and ICPCs will address the results of cooperation projects and further elaborate on research opportunities between Europe and International Cooperation Partner Countries (ICPCs). The EC-funded projects SIMBA and SIMBA II initiated road transport research cooperation between the EU, Brazil, Russia, India, China and South Africa to address worldwide transport challenges affecting the environment, road safety, mobility and efficiency. VIAJEO and STADIUM projects, successful follow-ups to the SIMBA projects, are R&D and demonstration projects which will develop and demonstrate functionalities which will contribute to improved strategic mobility management. The moderator will be Patrick Mercier-Handisyde (European Commission, DG Research). Speakers will include Vincent Blervaque (ERTICO – ITS Europe), Adewole Adesiyun (FEHRL), Jens Peder Kristensen (KeyResearch), Maurizio Tomassini (ISIS) and Monica Giannini (Pluservice).