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[www.piarc.org](http://www.piarc.org)

## EDITORIAL

### Welcome to Mexico!

#### Activities of National Committees at the World Road Congress in Mexico

The National Committees of the World Road Association will play an active role in the XXIV<sup>th</sup> World Road Congress, held from 26<sup>th</sup>-30<sup>th</sup> September 2011 in Mexico City.

The Annual Meeting of National Committees will take place on Sunday, 25<sup>th</sup> September, 09:30-12:30, at the Nikko Hotel (internal, for National Committees representatives and observers from countries in creation of a National Committee only).

During the congress various presentations and similar activities will be provided by National Committees in the area of the common PIARC pavilion in the centre of the exhibition:

<http://www.aipcrmexico2011.org/index.php/en/programa>

At the opening event of the exhibition all representatives of National Committees are invited to gather in the common PIARC pavilion to celebrate the start of the congress.

On Thursday afternoon a specific session dedicated to the work of National Committees (open to all congress participants) is scheduled in the program of the Congress. The session will consist of three separate presentations in Spanish, English and French language and should provide a boost to spread the idea of National Committees within the association and among external visitors.

Moreover colleagues of various National Committees and I as the Representative of PIARC National Committees will be at your disposal for your questions and discussion in the area of the common PIARC pavilion during the whole conference week. Do not hesitate to contact us to learn more about the aims and tasks of PIARC National Committees and the benefits deriving from their work for individuals, organisations and countries.

See you in Mexico.

### Friedrich Zotter

Representative of National Committees on the PIARC Executive Committee



**Your opinions and comments to**

Friedrich Zotter: [friedrich.zotter@bmvit.gv.at](mailto:friedrich.zotter@bmvit.gv.at)



# NC news, events, seminars & conferences

## AUSTRIA

### Call for Papers - 6<sup>th</sup> International Conference Tunnel Safety and Ventilation, New Developments in Tunnel Safety

23<sup>rd</sup> – 25<sup>th</sup> April 2012 in Graz (Austria)

Austria has a long tradition in the construction and operation of road and rail tunnels. Safety for users and accident response management became important topics for existing and newly designed tunnels. Following the successful tradition this international symposium offers again the possibility to exchange knowledge and to gain deeper insight into the newest developments in the fields mentioned below.



**AUSTRIA**

The conference will focus on:

- Ventilation: design, fireloads
- Emission, emission-factors
- Risk analysis, limits, assessment for safety related equipment
- Choice of ventilation systems in relation to risk analysis
- System tests (tunnel – safety – ventilation)
- System tests for commissioning, recurring tests
- Tunnel operation
- Refurbishment and upgrading of tunnels under operation
- Innovative concepts and installations

The programme covers plenary lectures on the 23<sup>rd</sup> and 24<sup>th</sup> of April as well as technical visits on 25<sup>th</sup> April 2012.

Abstracts of 300 words or less should be submitted to the symposium organisers no later than 30<sup>th</sup> September 2011.

For further information please visit [www.tunnel-graz.at](http://www.tunnel-graz.at) or contact [minarik@tugraz.at](mailto:minarik@tugraz.at)

## BELGIUM

### FEHRL Road Research Meeting 2011

18<sup>th</sup> – 19<sup>th</sup> October 2011 in Brussels (Belgium)



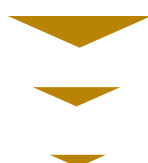
Following the success of our previous FEHRL Road Research Meetings (FeRRM), FEHRL (the Forum of European National Highway Research Laboratories) is delighted to invite you to the 2011 FeRRM on 18<sup>th</sup> and 19<sup>th</sup> October 2011 at the Maison de l'automobile in Brussels. This event will demonstrate the results and outcomes of recent significant road research projects and their benefits for society and the environment. Sessions will be structured around the key topical themes of Resources, Recycling and Alternative Materials and Implementation focusing on Resilience, Mobility and Environment, Sustainable infrastructure, Knowledge transfer as dissemination and FEHRL's flagship program, the "Forever Open Road".

The meeting aims to bring together:

- Entrepreneurs and stakeholders looking for solutions and willing to implement the latest cost efficient research
- Scientists with new ideas to promote
- Researchers to share and disseminate findings

FEHRL Road Research Meeting will be held in English and is free of charge.

Please register on-line at [www.fehrl.org](http://www.fehrl.org) and/or contact [isabelle.lucchini@fehrl.org](mailto:isabelle.lucchini@fehrl.org) with any questions.



**GERMANY****Concrete Road Cologne Conference 2011**20<sup>th</sup> – 21<sup>st</sup> October 2011 in Cologne

The Research Society for Road and Transportation, acting as the German National Committee of the World Road Association, invites all experts interested in concrete roads to meet in October 2011 in Cologne. The conference will discuss from many different angles the latest developments in the field of concrete road construction.

In the first series of lectures experiences with concrete construction, including white-topping, concrete surfaces in municipal areas and concrete construction in rest areas will be presented. Interesting new concrete construction methods have also been implemented at the A61 motorway section. In the second lecture series, one will learn from the newest research and development. Two papers deal with exposed aggregate concrete, the "standard design" in Germany, complemented by presentations on the performance characteristics of concrete pavements. Status and application of technical regulations are the main subject within the third series of lecture.

Further Information and program: [www.fgsv.de](http://www.fgsv.de)

**CANADA****2011 TAC CONGRESS AND EXHIBITION**

September 11 to 14, in Edmonton, Alberta

Over 900 delegates representing the public and private sectors as well as academics will gather in Edmonton this September to attend the Congress of the Transportation Association of Canada (TAC), the country's largest annual event in the field of transport. The theme of TAC's 2011 conference: "Transportation Successes: Let's Build on Them" clearly emphasizes the importance of recognizing Canadian expertise and know-how. The Canadian National Committee of PIARC uses this event to organize a roundtable on the theme « Successes in transportation infrastructures: experiences for future », which enhances performance in domestic and foreign transport and road infrastructure.

## CALL FOR PAPERS 11TH INTERNATIONAL CONFERENCE ON TRAFFIC AND TRANSPORTATION ENGINEERING 21ST -22ND FEBRUARY 2012 IN TEHRAN (IRAN)

The 11<sup>th</sup> International Conference on Traffic and Transportation Engineering will be held by Tehran Traffic & Transportation Organization during February 21-22, 2012, in Tehran-Iran.

The topics of the conference include:

- Public Transportation
- Intelligent Transportation Systems
- Transportation Planning
- Traffic Safety and Risk
- Transportation and Sustainable Development
- Traffic Engineering
- Transportation Economics
- Transportation Systems Management
- Traffic Education
- Rules, Regulations and Organization's Interaction in Traffic



Deadline for submitting papers is 20<sup>th</sup> November 2011. The organizers especially invite National Committees to participate, promote and submit papers to the conference scientific committee. Authors should send the original full papers in Microsoft Word and PDF format to the following e-mail address: [Conference@trafficorg.tehran.ir](mailto:Conference@trafficorg.tehran.ir)

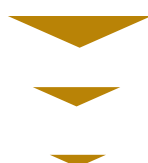
To receive more detailed information you are kindly invited to contact the Secretariat:  
[trafficconference@ccorg.com](mailto:trafficconference@ccorg.com)

**TANZANIA****5th Africa Transportation Technology Transfer (T2) Conference and Exhibition**21<sup>st</sup>-25<sup>th</sup> November 2011 in Arusha

The Ministry of Works in Tanzania through its Transportation Technology Transfer Centre, in collaboration with the Association of Southern African National Roads Agencies (ASANRA) and other local and international stakeholder institutions, is organising the 5th Africa Transportation Technology Transfer (T2) Conference to be held at Naura Springs Hotel, Arusha, Tanzania from 21<sup>st</sup>-25<sup>th</sup> November 2011.



The 5<sup>th</sup> Africa T2 Conference technical forum is aimed at encouraging the transfer of technology among various sectors and/or countries, promoting the search for innovative solutions whereby the managing of road and >>>



>>> other transport networks can be effectively solved, as well as allowing participants to suggest proposals leading to improved quality of the transportation systems, lower transportation costs and higher safety in transport operations. Moreover, the forum will help in promoting the need to improve access to rural roads, reduce the negative impacts of transport infrastructure works on the environment, and to encourage connections among countries in Africa. The topics to be dealt with during the conference will be grouped in nine thematic areas:

1. Transport Policy
2. Road Safety
3. Financing of Transport Infrastructure
4. Institutional Arrangements
5. Public Transport
6. Rural Accessibility and Mobility
7. Environmental Impact of Transport
8. Asset Management of Transport Infrastructures
9. Technology Development and Transfer

Please find complementary information in the "First Announcement and Call for Papers and Exhibitions for the 5<sup>th</sup> Africa Transportation Technology Transfer (T2) Conference" at the conference website [www.africat2conference.tant2centre.or.tz/](http://www.africat2conference.tant2centre.or.tz/)

## Other NC activities and examples of good practice

### AUSTRALIA AND NEW ZEALAND

#### Austrroads Secondment program and preparation for the World Road Congress

Austrroads has seconded the staff member of a member organisation to the WRA general secretariat in Paris on an almost continuous basis since early 2003. Austrroads is proud of its contributions by providing capable young talent to the WRA and this program has been running for a long time and has been a great success. The secondees have made a positive contribution to the general secretariat. The secondments have also proven to be an outstanding professional development opportunity for those who participated with many going on to more senior positions on their return and contributing their new knowledge and contacts to the organisation.

Austrroads arrangements for the Australasian delegation (30-40 attendees) to the Mexico Congress is continuing and Austrroads is providing support for the national committees display at the Congress. Austrroads also prepared content for a poster at the common national committees' area of the Congress venue and a presentation on the work of the national committee will be made at the Congress.

Further information at: [www.austrroads.com.au/wra\\_australian\\_national.html](http://www.austrroads.com.au/wra_australian_national.html)



### BELGIUM

#### Worksite Visit - Reconstruction of the motorway E17 in Zwijnaarde with CRCP

A technical visit to the Reconstruction of the motorway E17 in Zwijnaarde with CRCP (continuously reinforced concrete pavement) was held on 6<sup>th</sup> July 2011. It was a jointly organised by the Belgian Road Association, the Belgian Cement Association FEBELCEM and EUPAVE.

35 participants gathered in Maaltebrugge Castle near Gent. Luc Rens, Managing Director of EUPAVE and the Administrator of the Belgian Road Association opened the seminar and the Flemish Minister of Public Works, Mrs. Hilde Crevits, and Peter De Backer, Head of the Roads and Traffic Division East-Flanders gave an overview of the infrastructure in the province of East-Flanders. A series of large motorway rehabilitation projects are planned in the coming years, the ongoing project on the E17 is part of this rehabilitation programme and is currently one of the largest infrastructure projects in Belgium.

Mr. Gorik De Koker, Project Engineer, Roads and Traffic Division East-Flanders presented the worksite. The reconstruction of the motorway E17 is 11 km in total of which 9,9 km CRCP (25 cm) upon a sandwich layer of asphalt (5 cm) and a base layer of roller compacted concrete (15 cm). The quality control of the work is performed by external independent bodies: CRIC (Cement Research Centre) for the certification of the concrete mixes and COPRO as an inspection body on site, all this in addition to internal quality plans. Mr. De Koker also highlighted the enormous attention paid to disturbance measures and a communications campaign.

Dominique Valcke, representing the association of road construction companies STADSBADER and TRBA, performed a presentation on the phases of the project in detail. Luc Rens, Managing Director of EUPAVE, presented "New Developments in CRCP". He began with the history of CRCP in Belgium and also detailed the evolution of the design of CRCP including some latest developments and study projects. The combination of longitudinal bar reinforcement with the use of steel fibres is one of these topics for which an experimental section is provided in the E17 project. The seminar was closed with a video showing the complete sequence of works from the start of the project to present day. After the presentation session the group had the opportunity to visit the worksite.

For further information contact [b.houtart@brrc.be](mailto:b.houtart@brrc.be) or visit [www.abr-bwv.be](http://www.abr-bwv.be)



## FRANCE

### PIARC Prize Competition 2011 of the French National Committee

The French National Committee launched a national competition "French-PIARC Prize 2011" to highlight outstanding work in the field of road transport. This competition reflects the international prize competition held in conjunction with the World Congress to be held in Mexico City.

The jury, composed of members of the administration and representatives of project management and professions, met on 10<sup>th</sup> May 2011. Michel Démarre, president of PIARC-France, presented the awards at the conclusion of the General Assembly of the IDRRIM (Institute of roads, streets and infrastructure for mobility) on 19<sup>th</sup> May 2011.

The winners are:

#### Category "Innovation"

Gilles Blanchard and Jean-Christophe Dargenton (CETE de l'Ouest)  
"The Cycling-audit: site evaluation tools for cycling networks"

#### Category of "Young Professionals"

Fanny Mallard and Amandine Fargier (IFSTTAR)  
"Method for assessing the effects of road projects on ecosystems to develop a planning tool"

#### Category "Safety of road users and road workers"

Marine Millot (CETE Méditerranée)  
"How to evaluate the impacts of urban development on road safety?"

#### Category "Sustainable Development"

Ray Michel and Yves Ennesser (EGIS)  
"Adaptation of road infrastructure to climate change: innovative methodological tools"

#### Special Jury Prize "Charles Parey"

Joel Yerpa (IFSTTAR) and Marina Hughes (Engineering Junction)  
"Feeling claimed priority and reaction time, analysis of accidents at intersections"



For the second and third prize winners please visit [www.cf-aipcr.org](http://www.cf-aipcr.org)

## SLOVENIA

Under the new president, Mr. Willi Žavrlan, the main activities of the Slovenian National Committee (NC) in the year 2011 are focused on improvement of the recognition of the national committee within the country. Hence the NC is dedicating its time to advertising and PR activities, as well as planning to republish a small brochure for the presentation of the NC and the World Road Association which will be distributed on all domestic and foreign meetings that representatives of the Slovenian NC will attend.

The other major concern is the dissemination of knowledge, results and information from the WRA-PIARC community to our Slovene members, namely companies. We will try to achieve this by organizing different workshops (approximately 2-3/per year) where members of technical committees will be presenting their work. We have already established a "virtual library" on our webpage, modelled according to PIARC's virtual library.

Lastly, we are focusing our efforts on organizing a joint visit to the 24<sup>th</sup> World Road Congress in Mexico. Hopefully enough members of NC PIARC Slovenia will be interested to attend the congress that we will be able to arrange a group visit.

For further information have a look at: [www.nc-piarc.si](http://www.nc-piarc.si)

## NC Publications and software



### AUSTRALIA AND NEW ZEALAND

#### Key New Austroads Publications

These and other Austroads technical and research reports are available from the Austroads website [www.austroads.com.au](http://www.austroads.com.au). Please sign up for RoadWatch to be alerted of all Austroads publications as they become available.

#### DSRC Interoperability Study

The report summarises the overseas radio-communications regulatory arrangements supporting 5.9 ITS and describes the technical and system requirements for On Board Units (OBU) and Road Side Units (RSU) of 5.9 ITS. By assessing the various wireless access technologies for ITS, the report shows that there is a clear need in 5.9 GHz and future need in 700 MHz and 63 GHz to enhance 5.9 ITS.

### Guidelines for Environmental Reporting

The Austroads Guidelines for Environmental Reporting summarises the key concepts, purpose, benefits and principles of environmental reporting. It also examines current practice in environmental reporting approaches, trends in performance indicators used by member authorities, and the growing importance of sustainability reporting.

### Cycling Aspects of Austroads Guides

This report contains information that relates to the planning, design and traffic management of cycling facilities and is sourced from Austroads Guides, primarily the Guide to Road Design, the Guide to Traffic Management and the Guide to Road Safety. The report has been produced to ensure that information is readily available for practitioners who have a specific interest in cycling issues and facilities.

Further information: [www.austroads.com.au](http://www.austroads.com.au)

## ARGENTINA



Edition No. 79 of the Argentine Road Magazine "Vial" has been published in June 2011. Vial is providing information on: the execution of works, innovation, transport, products and applications, smart technology, environment, training courses, seminars, conferences and trade fairs as the 1<sup>st</sup> Industrial and Mining Exhibition of the Olavarría

Region.



Please visit [www.editorialrevistas.com.ar/](http://www.editorialrevistas.com.ar/) for more information

## ITALY



A special issue of the Journal of the Italian National Committee, "Le Strade", highlighting the Italian achievements in the road and transport sector during the past 4 years will be prepared for distribution at the Mexico World Road Congress. Further activities of the Italian National committees are published monthly in Le Strade.

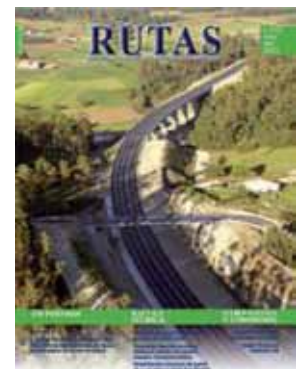
Information is available at [www.aipcr.it](http://www.aipcr.it) and [www.lestradeweb.com](http://www.lestradeweb.com)

## SPAIN

No. 138 of the Spanish National Committees Roads Magazine "Rutas" – April/May 2011 has been published. The current issue includes

- Sustainable use of pavement maintenance works of the General Directorate of Highways
- Mechanical excavation of tunnels with specific attacks by chaser machines
- Basic concepts for the structural rehabilitation of a bridge at the A6 motorway

More information available at: [www.atc-piarc.com](http://www.atc-piarc.com)



# PIARC Congresses

## 24<sup>TH</sup> WORLD ROAD CONGRESS 26<sup>th</sup> – 30<sup>th</sup> September 2011, Mexico City

Welcome to Mexico!



XXIV<sup>th</sup> World Road Congress Mexico 2011

Mexico City from September 26th to 30th of 2011. MOBILITY, SUSTAINABILITY AND DEVELOPMENT.

ROADS FOR A BETTER LIFE  
Enclosure sede: Centro Banamex

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ORGANIZERS

WORLD ROAD CONGRESS MONDIALE DE LA ROUTE

SCT

AMVITAC  
Asociación Mexicana de Ingeniería de Vías Terrestres

Vivir Mejor

Register here:  
CONGRESS  
ACCOMMODATION

More info:  
 Inscription Fees  
 Countries that require visas

Provisional detailed program of the congress sessions

Make your on-line registration for the congress and accommodation at:

[www.aipcrmexico2011.org](http://www.aipcrmexico2011.org)

## 14<sup>th</sup> International Winter Road Congress 2014 4<sup>th</sup>-7<sup>th</sup> February 2014, Andorra la Vella (Andorra)



The 14th International Winter Road Congress in 2014 will be held in Andorra la Vella. With its privileged geographical situation and unsurpassable climatic conditions Andorra is the per-fect setting for holding this important congress on winter service.

The conference centre has a main hall with capacity for 1000 people, with the additional facil-ity that everything that is going on in the main hall can be followed by videoconference, from adjacent rooms and the exterior covered exhibition areas.



The exhibition space of 5,000 m<sup>2</sup> is adjacent to the conference halls. This area will be supplemented with an outside space of 4,300 m<sup>2</sup>, where the most modern machinery used in the tasks to guarantee winter road viability will be displayed.

Visit the website

[www.aipcrandorra2014.org](http://www.aipcrandorra2014.org)

for further information or meet the colleagues from Andorra at the 2011 Mexico World Road Congress.

Your opinions and comments to

Friedrich Zotter: [friedrich.zotter@bmvit.gv.at](mailto:friedrich.zotter@bmvit.gv.at)