

BULLETIN OF THE WORLD ROAD ASSOCIATION NATIONAL COMMITTEES

April 2017 - n°47



Contents

NC News, Events, Seminars and Conferences

ARGENTINA - AUSTRALIA - AUSTRIA -
BELGIUM - ECUADOR - FRANCE - GERMANY
ITALY - KOREA - MALAYSIA - MEXICO -
SPAIN SWITZERLAND - UNITED STATES
URUGUAY

The World Road Association Congresses

15th Winter Road Congress

20th to 23rd February 2018, Gdansk (Poland)



XXVIth World Road Congress

6th to 10th October 2019, Abu Dhabi (United Emirates)



Editorial

Saverio Palchetti

Representative of World Road Association National Committees

Dear colleagues and friends,

It is with pleasure that I open my first editorial of the bulletin with my warmest greetings to all the National Committees. It is still vivid in my mind the recollection of my personal encounters in Cape Town with the Representatives present in occasion of my election last September. I hope that in these four years I will have the opportunity to meet the Representatives of the other countries as well with which we are in contact. Once again, a sincere thank you for your trust.

This bulletin contains the contribution of 16 NCs. It is my aim to activate a continuous relationship with the realities of all the NCs not only for discussion regarding organizational aspects of the Association but also for sensitive subjects regarding the road sector and therefore transport and infrastructure policies.

It is in the interest of our Association to disseminate know-how in road matters as well as ideas of Member countries.

During these past months I have asked myself what role should have the representative of NCs. It seems useful to me that he play a role of animator/facilitator of the relations between NCs and the Association (Secretariat) and other NCs and TCs/TFs. In other words, the connecting point between the complex and articulated reality of each NC and the exact same reality such as the Association. In this initial phase I begin from a listening position, thinking of a two-way functional means of communication.

This could be translated into three tasks: promoting the externalization of information by NCs, disseminate the circulation of information within the Association, guarantee that the information regarding the various activities of the Association (ex. TCs and TFs) reach the NCs. For this, the bulletin plays an important role in reaching other NCs in order to promote the creation of new ones.

In the past I have participated in the Italian quarterly contribution and have asked myself a few questions. The bulletin is mainly a newsletter, a periodic collection of news from various NCs. Mainly for internal use (not external for institutions, other associations, media, etc.) with news regarding events concluded and programmed. In my opinion, other than the occurrences (events, reunions, nominations, etc.), we should also speak about contents in terms of know-how and expertise which make up the heritage of the Association. We are all stakeholders of this bulletin as we are of PIARC. I believe it is useful to stimulate among all of us a reflection of our bulletin according to the "golden rule" : says what, in which channel, to whom, with what effect.

In preparation of the Executive Committee which will be held in Bonn in next October, I would be pleased to receive contributions and proposals with regard to the above. In the next bulletin I will return to this subject.

See you soon and let's keep in touch!

Saverio PALCHETTI

Representative of the World Road Association'
National Committees



ARGENTINA

The Argentinian National Committee (AIPCR_ PIARC) will carry out the following activities:

A number of seminars on the implementation of road safety, organized by the Road Safety Commission of AAC (Asociación Argentina de Carreteras). The main objectives of these seminars is to optimize the levels of safety through road infrastructure. For this, design criteria is applied in order to achieve a safe system, development of on-site inspections, urban road and highway safety audits, identification of inadequate and unsecure situations and the program guidelines of "Toward Vision Zero" that is being promoted by AAC. Between January and March 2017 in the Provinces of Entre Ríos, Corrientes, and Misiones)

Training seminars on Road Safety for cadets and Buenos Aires Policemen, in conjunction with the Superintendence of Police Training Institutes of the Province of Buenos Aires, organized by the Asociación Argentina de Carreteras (AAC). Beginning March 2017

Intensive workshops with the participation of representatives of the National Technical Committees for the development of the Technological Transfer theme of the Strategic Plan (PIARC 2016-2019) of the National Committee, organized by Asociación Argentina de Carreteras (AAC). January-March 2017

Technical meetings, organized by the Asociación Argentina de Carreteras (AAC) for the presentation of the new Vertical Signaling Manual for the National Road Administration (D.N.V.). These meetings will be attended by special guests from the public sector and representatives of the technical area of the National Road Administration (Chief Engineers, Directors, etc.). February-March 2017

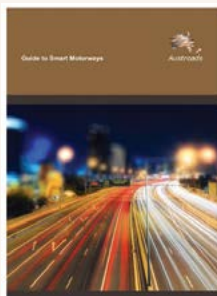
Preparation of various programs which address courses on the "Review of National and Mercosur (South American Common Market) Standards", organized by the Asociación Argentina de Carreteras (AAC), together with the Argentine Institute for Standardization and Certification (IRAM). February-March 2017

A series of courses and seminars on the "Professional Foundation for Transport" (FPT), organized by the Asociación Argentina de Carreteras (AAC) in conjunction with the Argentine Federation of Freight Transport Entities (FADEEAC). February-March 2017



AUSTRALIA Australroads

Recent Australroads publications -



New guidance for efficient and safe smart motorways

'Smart motorways' (also referred to as managed motorways) is the term used to describe motorways that have information, communications and control systems incorporated in and alongside the road. These

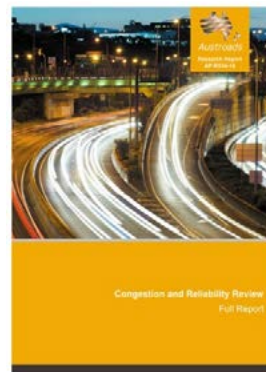
technology-based systems are deployed to actively manage traffic flows and improve road capacity and safety, as well as deliver other important outcomes for road users such as better travel reliability and real-time traveller information.

Australroads' Guide to Smart Motorways promotes operations-led design, recognising that effective operations are critical to achieving successful outcomes and that operational needs must be considered right from the start of the project.

Report Link: <https://www.onlinepublications.austrroads.com.au/items/AGSM-16>

Insights into Australian and New Zealand road congestion

In December 2016 Austroads published the Congestion and Reliability Review which measures levels and identifies key causes of congestion across major cities in Australia and New Zealand (ANZ).

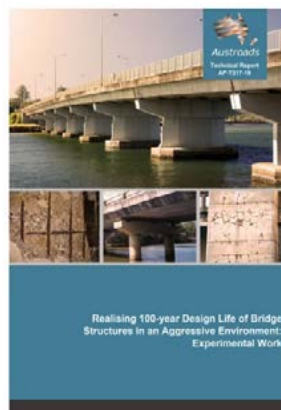


The findings are based on an analysis of Google Maps data for 600km of roads for each major Australian and New Zealand city, enabling analysis of travel time along different road segments. The analysis was based on two months of data, comprising of 1km long road segments, with data points taken every 15 minutes, to calculate the six key congestion measures outlined in the report. An econometric analysis was then undertaken to provide insight into the drivers of network performance.

This new approach has provided some ground-breaking insights into congestion performance and causes for Australian and New Zealand cities.

Report Link: <https://www.onlinepublications.austrroads.com.au/items/AP-R534-16>

Realising a 100-year bridge design life



In November 2016 Austroads published the results of a four-year project investigating durability issues that affect the service life of reinforced concrete bridges located on the coast or in saline soils.

Reinforced concrete bridges in these aggressive environments are designed for a 100-year service life, but they start to deteriorate after only 30 years.

Bridge elements such as piles, pile caps and columns, are very expensive and sometimes impractical to replace once they suffer major deterioration. Therefore, ensuring their long-term durability beyond 100 years is crucial.

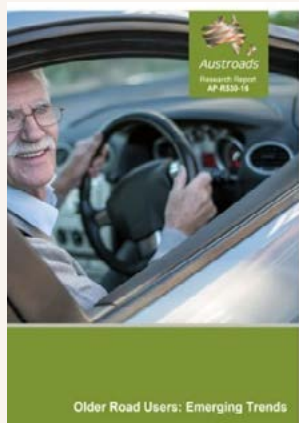
The project is detailed in two reports; an extensive literature review and the results of experimental work.

Literature Review Link: <https://www.onlinepublications.austroads.com.au/items/AP-T313-16>

Experimental Results Link: <https://www.onlinepublications.austroads.com.au/items/AP-T317-16>

Better understanding the safety of older road users

With the combined effects of an ageing population and increasing travel demand and activity levels, it is important to understand the key issues relating to the safety of older road users.



In October 2016 Austroads published a report identifying trends in crashes involving road users aged over 75.

The report provides policy recommendations and describes crash countermeasures relevant to older road users.

The research found that the chief risk for older adults in the transport system is not crash occurrence, but high injury severity in the event of a crash, due to greater fragility and frailty. There is much to gain for older adults if vulnerability to injury can be addressed.

Report Link: <https://www.onlinepublications.austroads.com.au/items/AP-R530-16>



Austroads is a proud founding sponsor of the Australasian Road Safety Conference (ARSC2017) which will be held in Perth, Western Australia from Tuesday to Thursday 10-12 October 2017.

The comprehensive 3-day scientific program will showcase the latest research; education and policing programs; policies and management strategies; and technological developments in the field, together with national and international keynote speakers, oral and poster presentations, workshops and interactive symposia.

<http://australasianroadsafetyconference.com.au/> For more details about Austroads publications and events visit www.austroads.com.au



Joint meeting of the Austrian Technical Committee Members 2016



On 1st December 2016 the Austrian National Committee hosted a meeting of all Austrian

experts represented in the Technical Committees. An update of the current status of the working program in the different Technical committees was given in view of the upcoming World Road Congress in Abu Dhabi 2019. Austrian experts are being represented in 20 of the 22 total Technical Committees and Task Forces. The meeting was also attended by representatives from the Austrian Road and Rail Research Association, representing an audience of 1200 members. Regular meetings like that one provide for a seamless information flow from international to national level.

11th ASTRAD-Symposium and "Austrokommunal 2017" Trade Fair on Road Management and Winter Maintenance 10 - 11 May 2017, Wels, Austria

For the 11th time the ASTRAD-Symposium on Road Management and Winter Maintenance will be held on 10th and 11th May 2017 in Wels, province of Upper Austria. More than 150 exhibitors are expected to welcome 3.000 professionals from the road management and winter maintenance sector at this biennial "Austrian Winter Road Congress". The newest developments in equipment and technology for road operation and winter service will be presented in several technical sessions and in an exhibition area of 20,000 sqm indoor and outdoor at free admission for registered visitors. The new concept since 2011 does foresee an enhanced approach on urban and community issues by merging the Symposium with the "Austrokommunal Trade Fair".

Information is provided via the Austrian National Committee at <http://www.fsv.at/piarc/> or visit directly www.astrad.org for further information.



The 23rd Belgian Road Congress will be held in Brussels at the SQUARE-Brussels Meeting Center from Wednesday To Friday , 4-6 October 2017.



This event that cannot be missed in Belgium is organized every four years and brings together professionals involved in the design, construction, management and operation of the road.

Road and network managers, contractors, design offices, suppliers, research centers, administrations and public entities ... all players in the road sector will be present to exchange innovations and good practices on topics such as:

- the rehabilitation of civil engineering structures
- sharing and quality of public space
- the quality and new perspectives of road surfaces
- site management (accessibility, security ...)
- the implications of new technologies on road trades

Besides classical sessions, networking sessions and exhibition spaces a unique opportunity will be offered for exhibitors and sponsors to reach out to specialists from all technical and geographical backgrounds and invite their partners and customers.

To learn more about the program or register as a participant, exhibitor or sponsor: please visit www.cbr-bwc.be

The Belgian Road Congress is an event of the Belgian Road Association, chaired by Claude Van Rooten.

This XXIII edition is organized by Brussels Mobility (Regional Public Service of Brussels) under the presidency of its Director-General, Jean-Paul Gailly.

Presentations are made in French and Dutch. Simultaneous translation is provided to these two languages



ECUADOR

Our National Committee has developed the following activities:

- Program of activities for 2017
- Coordination with the First Delegate of Ecuador for the realization of an international seminar on the telluric risks on roads.



FRANCE

General Assembly and new Board of Directors

Following the General Assembly held on November 15 2016, PIARC French Committee has formed its new Board of Directors ,as well as its Office, for the next four years (the composition is available on the website: www.cf-aipcr.org).

President: André Broto, FNTF
 Vice President: Michel Deffayet, CETU
 Former President: Yves Robichon
 Secretary General: Yolande Daniel, IFSTTAR
 Treasurer: Philippe Chanard

Technical day : « Roads of the future and evolution of tires »

December 15 2016 – Clermont Ferrand, in partnership with Michelin

About 40 participants attended this workshop organized at the Michelin research centre in Ladoux, near Clermont-Ferrand, that was inaugurated by the Prime Minister.



Two sets of presentations were illustrated in the morning by experts from Cerema, Ifsttar and Michelin, on tyres and pavements: up to date characteristics and performance, evolution perspectives. A round table followed on the respective contributions and expectations in these two fields (please refer to the web-site www.cf-aipcr.org).

After a general presentation on the test tracks and two demonstrations on breaking on wet soil and rolling resistance, the afternoon ended with a visit at the research center and at the innovation pavillon.

PIARC FC AND IDRRIM MEETINGS

on January 19 2017

PIARC FC and IDRRIM organized their annual meetings at the IFSTTAR venue – Champs sur Marne; PIARC President Claude Van Rooten and Christine Bouchet – Director of Infrastructure and French First Delegate, participated in the meeting. This day of exchanging knowledge gathered about 60 participants among French experts – also members of the technical committees, the



NC News, Events, Seminars and Conferences

Other NC activities and examples of good practice

NC Publications and Software

The World Road Association Congresses

Presidents and Secretaries of mirror committees established by PIARC FC and the members of IDRRIM operational committees. (presentations available on the web-site www.cf-aipcr.org)



Every two years the German Road and Transportation Congress, hosted by the German Road and Transportation Research Association (FGSV), takes place.

In the year 2016 it was held in Bremen with more than 1000 participants and visitors, well-tryed accompanied by the "Road and Transportation 2016" exhibition, where 130 exhibitors coming from economy, administration and research sectors showed their wide range of business activities and informed about new developments. Following the opening of the exhibition by Hans-Georg Stutz (board member of FGSV), and the opening of the congress by Elfriede Sauerwein-Braksiek (chairwoman of FGSV), the state secretary of the Federal Ministry of Transport and Digital Infrastructure, Rainer Bomba, held a speech, followed by the senator for environment, construction and traffic of Bremen, Joachim Lohse, and the president of the World Road Association (AIPCR/PIARC), Oscar de Buen Richkarday.

The motto of the congress "Building Blocks for the Sustainability in Road and Transportation" was the guiding theme for altogether 10 series of lectures including two cross series with multidisciplinary lectures.

The themes of the series of lectures were: traffic planning, asphalt pavements, highway design, concrete pavements, street furniture, urban roads (cross series), funding (cross series), building materials – disposability and sustainability, traffic management, maintenance management.

The congress program was completed by a lecture "about the significance of scientific reasoning and political irregular truths" given by the researcher Axel Meyer and the closing future forum "new technology versus altered mobility behavior – will the turnaround succeed?".

This was given by Felix Huber and Oscar Reutter, moderated by Ralf Roos and carried out under the involvement of the audience, on site as well as via Twitter and E-Mail.

The 2016 congress comprised two and a half days, giving a lot of space for communication and exchange before, between and after the papers.

ITALY



ITALIAN NATIONAL COMMITTEE ACTIVITIES OCTOBER 2016 -JANUARY 2017

The new cycle 2016-2019 for the Italian National Committee (INC) began with a major focus on serving its Members and increasing the benefits offered to them.

In order to achieve this goal the INC has devised several tools and solutions that can allow promotion and communicate INC PIARC's activities nationally.

In 2016, as a way to provide benefits for paying members and a productive working environment for TC's members (mirroring* the TC's website on PIARC), special sections dedicated to TCs were built inside the website. This in order to give access to members to the TCs' works, events, agendas, discussion via forum, Q&A section and virtual library.

Each mirror TC (16 and two Task Forces) operating actively within INC, can access a dedicated web



NC News, Events, Seminars and Conferences

Other NC activities and examples of good practice

NC Publications and Software

The World Road Association Congresses

Home

space where several services and tools have been provided. This space is available only to paying PIARC members.

Namely the new functions include:

- a Library where all relevant documentation is made available by each TC;
- a Forum of discussion open to associates and TC members;
- an event section;
- the TC's meetings documentation and agendas, and last but not least;
- a "cloud" reserved to TC members only used to store and share documentation useful for TC's members and meetings.

An upgrading and amelioration of the website is programmed to be implemented by next April 2017.

Financing INC's activities is definitely a main concern. New possibilities of financing have been: incrementing memberships, advertising on INC's website www.aipcr.it and sponsorships on behalf of companies of the sector involved in national events organized by PIARC Italy.

INC has also started to increase participation to national road related events and so doing promoting PIARC's image among possible stakeholders and the general public who participate at such events. Last December PIARC Italy participated in EXPOTUNNEL, the principal international event on tunneling technologies.

* We interpret "Mirror committees" exactly as established in the PIARC Strategic Plan.

Since the beginning of the cycle (2016) Italy has formed 16 Technical Committees and 2 Task Forces which have been actively working. The number of members in each committee ranges from 4 to 33. Following is an updated table with the number of meetings held as of today in Italy. The Italian Chairmen actively participate in the international meetings as well.

Other activities of PIARC Italy

September 19 2016 : Agreement signed between PIARC Italy and Ministry of Infrastructure and Transport – Comitato Centrale Albo degli Autotrasportatori and coordination provided by CT President B.4 Mr. Massimo Marciani for the research, data collection and publishing of results regarding national freight transport.

September 29 2016 : International Meeting "ROAD SAFETY TOWARDS NEW SOLUTIONS: CHALLENGING POLICIES AND OPPORTUNITIES FROM NEW TECHNOLOGIES" – ROME

January 19 2017: Mr. Saverio Palchetti (President of the Infrastructure Security Task Force and Representative of the National Committees) participated in the French National Committee Meeting that took place in Champs sur Marne, near Paris at IFSTTAR. This was the first public participation as Representative of the National Committees where he illustrated and presented his future activity.

This was also the occasion to illustrate the Italian Committee's activities and compare them with those of the French Committee. In addition, a presentation was made of the activities of the Infrastructure Security Task Force.

NC News, Events, Seminars and Conferences

Other NC activities and examples of good practice

NC Publications and Software

The World Road Association Congresses

	COMMITTEE /TASK FORCE	CHAIRMAN VICE CHAIRMAN	Number of Meetings 2016/2017
A.1	Performance of transport administrations	Ing. Ilaria COPPA - V.P. Avv. Sergio PAPAGNI	2
A.2	Road transport system economics & social development	Ing. Fabio PASQUALI	*
A.3	Risk management	Prof. Maurizio CRISPINO	1
B.1	Road network operations/ Intelligent transport systems	Ing. Michele ADILETTA – V.P. Dr.ssa Valentina GALASSO	1
B.2	Winter service	Ing. Roberto MASTRANGELO	*
B.3	Sustainable multimodality in urban regions	Prof. Andrea SIMONE	*
B.4	Freight	Dott. Massimo MARCIANI – V.P. Ing. Massimo SCHINTU	1
C.1	National road safety policies and programs	Ing. Roberto ARDITI – V.P. Dott. Leonardo ANNESE	**
C.2	Design and operation of safer road infrastructure	Prof. Lorenzo DOMENICHINI – V.P. Avv. Anna BOTTI	2
D.1	Asset management	Prof. Vittorio NICOLOSI – V.P. Ing. F. SOCCODATO – Dott. M. MORI	2
D.2	Pavements	Ing. Eleonora CESOLINI – V.P. Ing. Stefano ODDONE	1
D.3	Bridges	Prof. Michele MELE – V.P. Ing. A. DEVITOFRANCESHI	2
D.4	Rural roads and earthworks	Ing. Enrico MITTIGA	1
D.5	Road tunnel operations	Ing. Salvatore GIUA – V.P. Ing. L. CARRARINI – Prof. BORCHIELLINI	2
E.1	Adaption strategies/Resiliency	Ing. Marco GAROZZO	2
E.2	Environment considerations in road projects and operations	Arch. Giovanni MAGARO V.P. Prof. Carmine GUARINO	1
GE A1	Innovative financing	D.ssa Emanuela STOCCHI – V.P. Dott. Edoardo EMINYAN	3
GE C1	Infrastructure Security	Ing. Saverio Palchetti	**

* At the moment, no meetings have been held but the Committees formed are actively working at a national level under the leadership of the Chairmen.

** The Chairmen work actively on a national level to contribute to the international TC and TF.

KOREA

Meeting of TC E.1 Adaptation Strategies/ Resiliency - FEHRL Scanning Tour on Infrastructure Resilience

21st – 24th November 2016, Seoul, Korea

Korean NC hosted TC E.1 Meeting in conjunction with 'FEHRL Scanning Tour on Infrastructure Resilience'. In addition, an international seminar was held to share the latest initiatives on climate change and infrastructure resilience with Korean road experts. The presentation titles and presenter are shown below. The meeting also included a technical visit to the Seohae Bridge and Korea Expressway Corporation Research Institute.



PIARC Technical Committee E.1 Members



Technical Tour – Seohae Grand Bridge

Korean NC Technical Committee Annual Performance Report Workshop

24th January 2017, Seoul, Korea

The Korean NC holds Performance Report Workshop every year to in order to promote and exchange activities within the Korean PIARC communities. It not only allows TC members to learn about the tasks that other technical committees are performing but disseminates TC member's activities and performances for both experts of road and the general public.

International Seminar on Climate Change Adaption and Infrastructure Resilience]	
Presentation Title	Presenter
Disaster-Hazard Resilience of Infrastructures and Urban Communities	Junho SONG (Professor, Seoul National Univ.)
Resilience, climate adaptation and related PIARC TC E.1 activities	Dr. Jürgen KRIEGER (Chair, PIARC Technical Committee E.1)
Resilience of Seohae Bridges: Fire Damage and Recovery	Dr. Heungbae "Harry" GIL (Research Director, Korea Expressway Corporation)
Intermodal Transfer Complex in Korea	Dr. Young-In KWON (Research Fellow, The Korea Transport Institute)
FEHRL – Forever Open Road Initiative	Martin Lamb (Forever Open Road Programme Manager)
Strategic Road and Cross-modal Research and Implementation Plan(SERRP) 2017 - 2020	Dr. Thierry Goger (Secretary General of FEHRL)
Towards a vision for cross-modal transport infrastructure	Dr. Thierry Goger (Secretary General of FEHRL)

Technical Committee Presenter

A.2 Road Transport System Economics and Social Development Jong Hak KIM (Research Fellow, Korea Research institute for Human Settlements)

B.1 Road Network Operations/Intelligent Transportation Systems Seong NAMKOONG (Director, Transportation Research Division)

B.2 Winter Service Suk jin JEONG (Korea Expressway Corporation)

B.4 Freight Yoon-Hyuk CHOI (Deputy Research Director, Korea Expressway Corporation)

TF B.1 Road Design and Infrastructure for Innovative Transport Solutions Hyun-Je CHO (Manager, Korea Expressway Corporation)

D.2 Pavements Seung-Hwan HAN (Research Director, Korea Expressway Corporation)

D.3 Bridges Hyun-Ho CHOI (Senior Researcher, Korea Expressway Corporation)

D.5 Road Tunnel Operations Nam-Goo KIM (General Manager, Korea Expressway Corporation)

E.2 Environment Considerations in Road Projects and Operations Young-In KWON (Research Fellow, The Korea Transport Institute)



*Opening of the Workshop
Dr. Keechoo Choi (Chair of Korean NC)*

Korean NC Council Meeting

28th December 2017, Seoul, Korea

In general, the Korean NC holds Council Meeting twice a year to discuss about how to improve the operation of Korean National Committee and how to share technical committee members' achievements with others including both experts of road and general public. During this meeting, the overall direction of Korean NC's role, vision and duties were redefined and envisioned together with the change of TC members.



Korean NC Council Member Meeting



Korean NC Technical Committee Members

MALAYSIA



PIARC appoints Dato' Sri Ir. Dr. Roslan Md Taha as Malaysia's First Delegate.

PIARC appointed the current Director General of Public Works Department, Malaysia (PWD) as the First Delegate for Malaysia.

Dato' Sri Ir. Dr. Roslan started his career in PWD at the Laboratory Unit upon graduating with a BSc (Hons) in Civil Engineering from the University of Newcastle-upon-Tyne, UK in 1982. In 1991, he left for University of Liverpool, UK and successfully completed his MSc (Eng) in Environmental Civil Engineering in 1992. The continued passion and perseverance in the field of environment brought Dato' Sri Ir. Dr. Roslan back to the UK in 1996 to pursue his doctorate in Environment at University of Wales.

In 2015, Dato' Sri Ir. Dr. Roslan was promoted to the post of Deputy Director General (Infrastructure)



From left (clockwise) REAM President Datuk Ir. Haji Adanan Mohamed Hussain, REAM Honorary Secretary General Dato' Ir. Dr. Ashaari Mohamad, PIARC First Delegate for Malaysia Dato' Sri Ir. Dr. Roslan Md. Taha, PIARC Coordinator Ir. Zulakmal Haji Sufian and REAAA Honorary Secretary General Ir. Dr. Che Hassandi Abdullah



Attendees at the briefing session

and the following year took over the reins of PWD as the Director General.

PIARC First Delegate for Malaysia seeks participation of road industry's corporate sector in related institutions / associations

Dato' Sri Ir. Dr. Roslan Md Taha, in his capacity as PIARC's First Delegate for Malaysia moved swiftly to touch base with the Malaysian road engineering fraternity by way of a briefing session to encourage its active participation in related local and international institutions and associations.

He said that the objective of the session was to highlight the mutual benefits that could be accrued by the Malaysian road industry through its participation and commitment in the activities of local and international road related organisations and institutions. He then invited the representatives of some of these associations to brief the attendees on the respective activities.

The PWD Director of Road Facility Maintenance Branch Ir Zulakmal Haji Sufian who has over the years being the coordinator of PIARC activities for the First Delegate explained briefly the formation of PIARC and Malaysia's involvement in its activities. He invited the corporate sector to nominate its officers to continue serving in PIARC Technical Committees. He concluded by informing that Malaysia is pitching to host the 27th WRC in 2023.

Ir. Dr. Che Hassandi Abdullah, Senior Director, PWD Centre of Engineering Excellence & Technology (CREaTE) and the Honorary Secretary General of REAAA said the association was established with the objective, among others was to promote and advance the science and practice of road engineering and related professions within the region.

The REAM Honorary Secretary General Dato' Ir. Dr. Ashaari Mohamad said that REAAA (Malaysian Chapter) was the forerunner of Road Engineering Association of Malaysia (REAM) and currently doubles as PIARC's National Committee for Malaysia.

The attendees responded positively to the invitation to support by way of participation in all forthcoming activities relating to roads. They agreed to address the request for nominations to serve in the PIARC technical committees.



MEXICO

Innovation and training to improve land routes
The Mexican National Committee - AMIVTAC, has worked strongly this year to spread knowledge, best practices and procedures in the land route sector, to our national and international audience.

FORUM OF FUTURE INFRASTRUCTURE CHALLENGES

26th October, 2016. Mexico City, Mexico

This event was organised by the Mexican Construction Industry Association (Cámara Mexicana de la Industria de la Construcción). Jesús Felipe Verdugo López, president of the Mexican NC, presented the topic Sustainable Mobility: Strategic Development of the Megalopolises.

More than 300 professionals and students attended the Forum.



Closing ceremony

SUCCESSION OF BOARDS

11th, 18th, 25th and 29th November, 2016

The corresponding successions of boards of directors were conducted in four Mexican States: Tamaulipas, Chihuahua, Durango and Nuevo León. These alternations enable to update and improve the NC works in each region of the country. The new boards have the commitment to spread the knowledge and best practices in the land route sector nationwide.

PRESENTATION OF REPORTS OF PIARC TECHNICAL COMMITTEES

7th December, 2016. Ministry of Communications and Transport (Secretaría de Comunicaciones y Transportes, SCT). Mexico City

The reports, International Framework on Adaptation of Road Infrastructure to Climate Change, and Preserve your Country's Roads to Drive Development, were presented with the objective of disseminating the effect of climate



Presentation of the speakers



NC News, Events, Seminars and Conferences

Other NC activities and examples of good practice

NC Publications and Software

The World Road Association Congresses

change on roads, and of underlining the importance of road-infrastructure assets maintenance.

This event was attended by the Vice-Minister of Infrastructure and member of the PIARC Executive Committee, Oscar Callejo Silva; the General Director of Roads, Clemente Poon Hung; the president of the PIARC, Oscar de Buen Richkarday; the Technical Director of PIARC, Miguel Caso Flórez; and the First Delegate in Mexico, Roberto Aguerreberere Salido.

INTERNATIONAL SEMINAR ON ASPHALT

12th, 13th and 14th October, 2016. Guadalajara, Jalisco, México

More than 500 people attended the Seminar. The program included 20 conferences that were presented by national and international speakers, from: Brazil, Colombia, Denmark, France, Mexico, Spain, United Kingdom and USA. Furthermore, the Asphalt Expo consisted of more than 20 companies from México and USA.

Additionally, the seminar gathered the main authorities from Jalisco State and the Ministry of Communications and Transport (SCT), and was opened by the president of the Mexican NC, Jesús Felipe Verdugo López.



Members of the Presidium

INTERNATIONAL SEMINAR, LOGISTICS AND ROADS: THE FIRST MEETING



Invite:

INTERNATIONAL SEMINAR "LOGISTICS AND ROADS: THE FIRST MEETING".

March 27-28, 2017

Venue:
Centro Banamex, Mexico City

Currently the NC is working on the organisation of our main event of the year, the "INTERNATIONAL SEMINAR, LOGISTICS AND ROADS: THE FIRST MEETING", with the purpose of bringing together the world of logistics and roads.

The main objective of the Seminar is to initiate a dialogue between the road and logistic sectors. It will discuss joint interests such as: national policies concerning multimodal freight transport and logistics; road freight; the efficient use of energy in transport; and others. Moreover, this event will strengthen the relationship between both sectors and encourage the exchange of national and international road-logistic experiences.

The NC and the PIARC Technical Committee B.4 Freight have the pleasure of inviting you to this outstanding event, which will be carried out 27 and 28 of March in Mexico City. Further information of the Seminar and registration is available on our website: www.amivtac.org/seminariologicaycarreteras/en

Publications...

Vías Terrestres Magazine

The edition No. 43 (September – October) of our magazine Vías Terrestres: "Risk Management of Infrastructure Projects", contains the articles of fauna mobility and mortality observatory in Mexican land routes, written by Juan Fernando Mendoza Sánchez and Omar Alejandro Marcos Palomares.

The 44th edition (November – December) "*Main aspects of friction between tire and pavement*", contains seven road-sector articles, and a special publication related to the completion of the last PIARC Board's activities; and the election of the new President of PIARC, Claude Van Rooten, and the NCs President, Saverio Palchetti, written by Oscar de Buen Richkarday.

The latest edition, No. 45, (January – February) "*Equipment to measure the International Roughness Index*", includes the development of the EMIRI-UMICH-001 in Mexico, a low cost equipment used to measure the International Roughness Index (IRI), written by Yesenia Rodríguez Méndez.

All editions of the Vías Terrestres Magazine are available on our website: www.amivtac.org/esp/1/vias-terrestres

SPAIN

X WINTER SERVICE CONFERENCE

The Winter Service Technical Committee from Spain is organizing the next X Winter Service Conference, to be held in Santander from 14 to 16 March 2017.

We are expecting to see more than 400 attendees, from the public and private sector, at this year's conference. We will also have the participation of prestigious national and international speakers sharing their expertise with us.

Mr. Didier Giloppe, President of PIARC TC B.2 Winter Service and Mrs. Aleksandra Cybulska, from the Polish Organizing Committee of the PIARC XV International Winter Road Congress, are expected to attend this event.

An exhibition area and a Snow plough competition will be included in the program.

For further information on our activities please visit our website: www.atc-piarc.com



During the last Board of Directors Meeting of our PIARC Spanish National Committee/Technical Road Association (ATC), held in Madrid last 29 November, Mr. Pablo Sáez, Manager of ACEX (Spanish Association of Infrastructure Operation and Maintenance Companies) was nominated as Honorary Member of our Association.



From left to right: Mr. Pablo Sáez (Manager of ACEX), Mr. Jorge Urrecho (First Delegate and General Director of Roads. Ministry of Public Roads and Transport) and Mr. Luis Alberto Solís Villa (President of the PIARC Spanish National Committee – ATC)

YOUNG PROFESSIONAL AWARD 2016

Congratulations to Mr. Jaime Antona winner of the Young Professional Award 2016 for his work

entitled "Tool for the early anomaly detection in traffic data collection stations". His work will be published in our RUTAS Magazine.



Mr. Jaime Antona (winner of the Young Professional Award 2016) and Mr. Luis Alberto Solís Villa (President of the PIARC Spanish National Committee).

PIARC Technical Committees Meetings in Spain

The meeting of the PIARC Technical Committee A.1 Performance of Transport Administrations, which took place in Madrid from 14 to 16 November 2016, has been a great success.



Group Foto

Spain will host the following PIARC Technical Committees Meetings in the next few months:

- PIARC Technical Committee Meeting D.3 - Bridges - on 4 and 5 April 2017 in Madrid, followed by a Technical Conference on Bridges organized by the PIARC Spanish National Committee next 6 April.

- PIARC Technical Committee Meeting D.2 – Pavements – to be held in Madrid from 29 to 31 March 2017, in conjunction with a national technical workshop.

RUTAS Magazine

Number 169 (October-December 2016) of our quarterly RUTAS Magazine has been released.



We offer the possibility of downloading RUTAS Magazine in digital format from our website. We offer the possibility of downloading RUTAS Magazine in digital format from our website. Additional information available at: www.atc-piarc.com

SWITZERLAND



Comité National Suisse
National Komitee Schweiz
National Committee Switzerland

The annual conference of the Switzerland NC held in Bern in November 2016, was based on the technical committees Activities.

About 30 participants actively illustrated, within the working groups and after in plenary sessions, the different aspects connected to road safety, management of road asset and freight transport. These workshops allowed an interesting exchange of viewpoints as well as a better circulation of TC activities to Swiss experts present.

The general assembly 2017, will be held in Berne on 26 April and offer a new opportunity for exchanging views for Swiss Piarc members.



NC News, Events, Seminars and Conferences

Other NC activities and examples of good practice

NC Publications and Software

The World Road Association Congresses

UNITED KINGDOM



Andrew Boyle, Chairman of WRA UK is a Fellow of the Chartered Institution of Highways & Transportation (CIHT) was recently elected a Fellow of the Institution of Civil Engineers (ICE), partly acknowledging Andrew's work internationally through the World Road Association.

As part of the efforts to share the information within the UK more widely Andrew is leading on dissemination of the work of the Association in the UK. Andrew will give an overview of the World Road Association at the South East Regional meeting of the CIHT on the 9th March 2017.

Andrew is exploring the option of working through the World Road Association on the use in highways internationally of BIM. The National Committee would welcome working with other National Committees to develop this.

U.S.A.

Transforming AASHTO for a Second Century of Service to Member Departments

1. Background & History

The American Association of State Highway and Transportation Officials (AASHTO) serves as the U.S. National Committee of the World Road Association. AASHTO has served its member departments of transportation (DOTs) in the fifty states, Puerto Rico, and the District of Columbia, since 1914 and has progressed from being highway-focused to a multimodal organization. AASHTO has moved beyond technical standards

to include broader policies and programs that support DOTs in their daily work. Referenced worldwide, AASHTO's publications include over 200 titles: technical standards and specifications, policies, design guides, technical manuals, best practices and guidelines. These products and services have shaped design through operations of U.S. roadways, and reflect the changing focus of member departments.

Illustrative AASHTO publications, products and services:

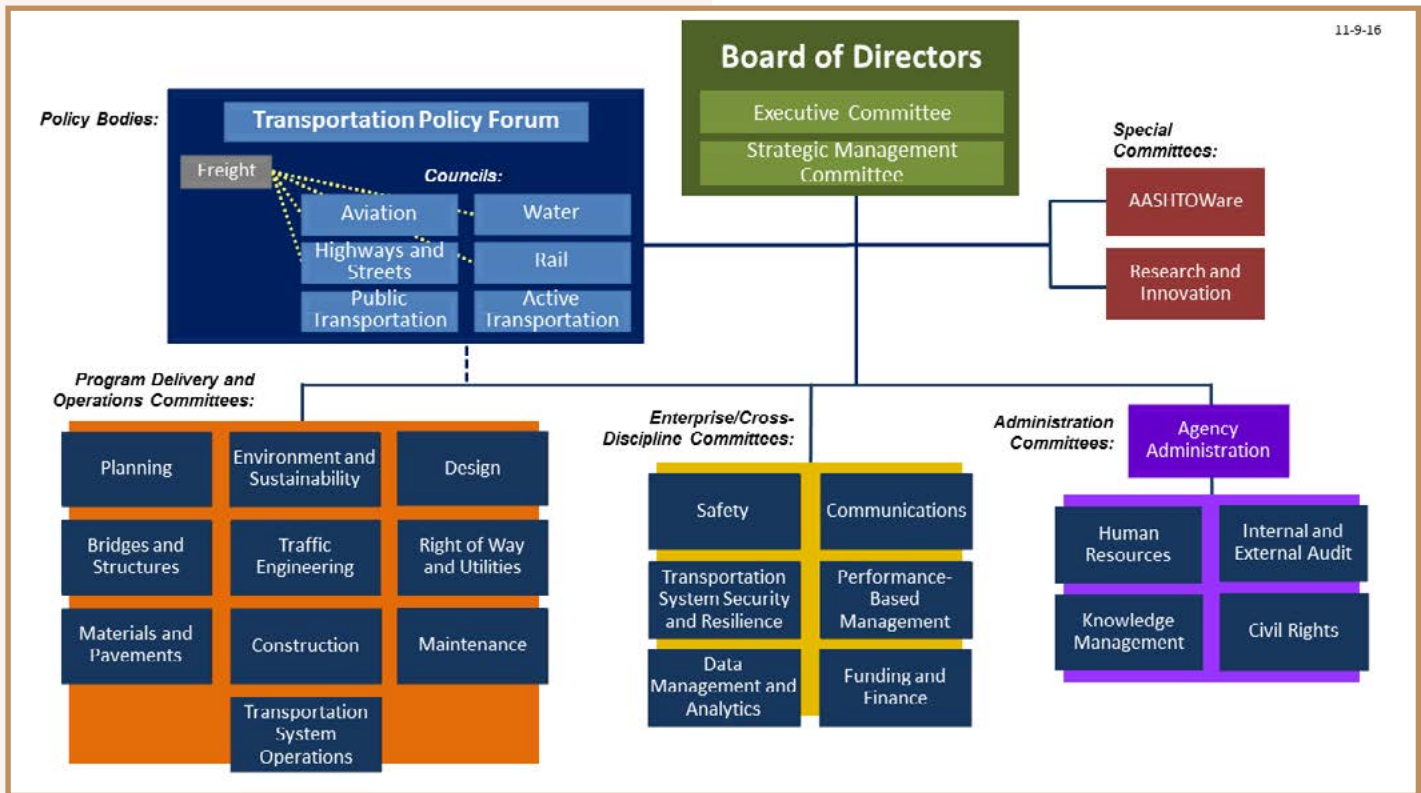


2. The Restructuring Process

AASHTO recognizes that it must evolve to continue to provide value to its members. AASHTO's committee structure, encompassing nearly 200 committees and subcommittees, and 2500 member volunteers, has seen little change for over fifty years. In mid-2015, the Comprehensive Committees Review (CCR) committee began the review of AASHTO's many committees, guided by the AASHTO strategic goals:

- Provide value to members.
- Provide innovative technical and professional services and products.
- Be a leader in national transportation policy development.
- Communicate the value of transportation.

Much of AASHTO's work is carried out by volunteers working in committees. The CCR



committee first considered the organization’s need for change. These needs included streamlining the structure; expediting decision-making; increasing multi-modal communication; and maintaining member engagement. The process was highly interactive, involving all of the member departments; and the best elements of several models were combined based on members’ feedback. In November 2016, the AASHTO Board of Directors adopted the Comprehensive Committees Review (CCR) Report.

The new structure: diagram above.

3. Implementation

While some committees and subcommittees will be combined or deleted, new ones will be created. A new Strategic Management Committee will guide the transition to the new structure and operations, and provide ongoing strategic oversight. A new Transportation Policy Forum is being created for the discussion of broad and multimodal transportation policy issues. Communities of practice and private

sector associates will have an increased role as well.

The Data Management and Analytics Committee recognizes the changing role of DOTs from being data providers to consumers, and the opportunities of mining “big data.” The Knowledge Management Committee recognizes the explosion of information even while many experienced professionals retire; it will address the strategies and practices used to identify, retain and apply critical knowledge to support work and innovation. Two critical objectives in the implementation of these procedural and structural changes are continuing to engage committee leadership and volunteers, and maintaining essential services and products for AASHTO’s membership. Existing committee leadership and volunteers will accomplish the realignment of their committees.

4. Conclusion

For 100 years, AASHTO’S success has been and will continue to be due to the dedicated and



NC News, Events, Seminars and Conferences

Other NC activities and examples of good practice

NC Publications and Software

The World Road Association Congresses

professional collaboration of volunteers from member departments. Change takes time and the Strategic Management Committee will work with all of the committees to assure a steady transition to the new structure and operations.

Extending committees' reach through Communities of Practice and expanding private sector engagement will help broaden the dissemination of information and products from the World Road Association and deepen the source of experiences available to USA representatives to World Road Association endeavors. The changes reflected in the CCR recommendations will serve member departments well into this new century.

Note: The Comprehensive Committees Review Report is available online at: http://committeereview.transportation.org/Documents/Committee_Restructuring_Adopted_111516.pdf

URUGUAY

Activities of the Asociación Uruguay de Caminos (National Committee of Uruguay) set out for 2017:

- 1st Day of Applied Technologies (March 2017)
- Postgraduate course "Analysis and Evaluation of Projects" – National University of Rosario (Argentina) (May 2017)
- First Day of Rural Roads (June 2017)
- 30° Anniversary of AUC and General Assembly (July 2017)
- 7th Technical Day of Hormigón (August 2017)
- Postgraduate course "Structural pavement design" of the National University of Rosario (Argentina) (September 2017)
- 11th Uruguayan Road Congress (November 2017)
- Implementation of new means of communication with members through the periodic publication of the Bulletin.

All activities will be published on www.auc.com.uy as each event opens for subscription.



NC News, Events, Seminars and Conferences
Other NC activities and examples of good practice
NC Publications and Software

Home

The World Road Association Congresses

World Road Association Congresses

15th Winter Road Congress
20th to 23rd February 2018!



More information:

<http://aipcrgdansk2018.org>

XXVIth World Road Congress
6th to 10th October 2019!



More information:

<http://www.piarcabudhabi2019.org>