XXIVth World Road Congress

Mexico City
from 26th to 30th September 2011

Program of the congress sessions

Mobility, Sustainability and Development
Somos un grupo de Empresas Mexicanas dedicadas a servicios de Ingeniería y Consultoría, con especialidad en proyectos de Infraestructura del Transporte. Hemos sido reconocidos como líderes en el diseño de Puentes de gran claro. Ofrecemos servicios en las áreas de Estudios, Diseño, Gerencia de Proyecto, Supervisión, Asesorías Especializadas e Ingeniería Independiente de:

- Carreteras y Autopistas
- Puentes y Túneles
- Vialidades Urbanas
- Aeropuertos
- Vías Férreas
- Puertos
- Presas
- Edificaciones
- Proyectos Arquitectónicos
- Desarrollos Inmobiliarios
- Plantas Industriales
- Impacto y Protección Ambiental
- Agua Potable y Alcantarillado
- Plantas de Tratamiento de Aguas

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Welcome Messages

Dionisio Pérez-Jácome Friscione
Anne Marie Leclerc
Fausto Barajas Cummings
Clemente Poon Hung

Organizing Committee

Presentation of the congress sessions

Exhibition

Technical Visits

Social Program

Welcome cocktail
Congress dinner

Centro Banamex Plan

Practical Information
The environmental sustainability has become a main challenge in our daily lives. The development of infrastructure and the satisfaction of the population’s needs in terms of mobility are no exceptions. Nowadays, more than ever, it is necessary to keep offering people more and better roads, easing their access to education, health and well-being, within a context of sustainable development.

Mobility, infrastructure and sustainability are an equation that people have long tried to solve at different levels and on different ways in developed and developing countries. Reaching a balance of these factors is a major issue for academics, governments and private sector.

The government of Mexico has played the role of an international leader in climate change prevention and sustainability development. Moreover, it turned the development of infrastructure into a growth driving force. The XXIV World Road Congress reflects this spirit, and is a great opportunity to consolidate the progresses made the last years in our country in the field of infrastructure.

The themes to be discussed and analyzed in the framework of this forum will generate deciding answers for the future of transport and road infrastructure in Mexico and all over the world. We are convinced that, gathering efforts and sharing experiences, it will be possible to define more precisely the coming challenges and to design common strategies towards the sustainable development of our infrastructure.

Our country celebrates the holding of the XXIV World Road Congress and the emphasis put on sustainability and infrastructure development studies, a line of thinking adopted years ago by the Association, consolidated in the Paris edition of the Congress in 2007, and which should be followed in the future.

You are welcome to this wonderful and friendly country of Mexico. I wish this Congress, which brought together experts and professionals from all over the world, will greatly benefit to all of you, and that you will fully enjoy your participation.
On behalf of the World Road Association, I am proud to welcome you to the XXIV World Road Congress. This is a must-attend event for members of the international road community, where all participants will have an opportunity to expand their knowledge and share their experiences.

Revolving around the theme “Roads for a better life: Mobility, sustainability and development”, the program for the Congress focuses on the challenges that the transportation industry must overcome in the area of sustainable development from a political, strategic and technical perspective. Within this context, topics such as environmental responsibility, financing, safe mobility, the impact of climate change on infrastructures, and the sustainability and security of road networks will be discussed during the various sessions.

The exhibition, on fringe of the technical component of the Congress, will contribute to the success of this significant event by providing to Government members an exceptional showcase to highlight the dynamism of the transportation community in their country within their respective national pavilions, where governments and companies gather to create a better-performing public service.

This Congress not only represents the culmination and fusion of four years of remarkable efforts by hundreds of experts, it also marks the adoption of the Strategic Plan and the beginning of the next work cycle. Your active participation and contributions are essential to ensuring a certain degree of continuity, and to project the Association into the future in order to meet the next challenges of the industry.

The Mexican Organizing Committee has accomplished a Herculean task in order to provide you with an enriching, attractive and extremely relevant program. I encourage you to do everything in your power to make this event a resounding success that will contribute to the advancement of knowledge in the fields of roads and transportation.
Since the beginning of the administration of President Felipe Calderón, meeting the needs of Mexico’s population through highway infrastructure development, promoting social development, and encouraging sustainable regional economic growth have represented major challenges.

Today, five years after the implementation of the 2007-2012 National Infrastructure Program, the most comprehensive in the modern history of Mexico, more than 20,000 kilometers of roads and highways have been built or modernized, and road infrastructure is in its best physical condition in many years. This progress is representative of the Federal Government’s significant strides toward achieving transformation and growth for the country in a sustainable way.

Within this context, Mexico’s hosting of the XXIV World Road Congress represents both a milestone to celebrate and an opportunity to showcase the major infrastructure works and related progress in the domestic road sector that measure up to the motto of the Congress, which is to design, construct, and operate “Roads for a better life.”

The Ministry of Communications and Transport (SCT) of Mexico, the World Road Association (PIARC) and the Mexican Association of Road Engineering (AMIVTAC) have jointly organized a Congress based on the general theme of “Mobility, Sustainability and Development” that will be further enriched with discussions and debates on such important strategic topics as sustainability of the road transport system, improvements in the provision of services, safety of the road system, and quality of road infrastructure. I am confident that the results, products, and conclusions derived from this Congress will enrich and facilitate the work of those of us who are responsible for road management throughout the world.

I am sure you will profit greatly from the lessons learned during the Congress. Meanwhile, I offer my best wishes for a pleasant stay and for your enjoyment of Mexico, where our rich history and modernity join to offer a wide range of possibilities for visitors.
Message from Clemente Poon Hung

Since 2005, the Mexican Association of Road Engineering has taken on the role of the National Committee representative to PIARC. It therefore became the organ responsible for the diffusion of PIARC activities among road professionals in our country.

In this framework, several courses and seminars have been organized, and we have promoted the membership to PIARC of our partners.

This is the reason why, towards the organization of the XXIV World Road Congress, the Secretary of Communications and Transports decided to give our association the central operative and logistics role for the whole event.

We therefore contributed to draft technical individual papers and national reports, and we also provided all the necessary infrastructure and services for the celebration of this significant event.

During 5 days, we will analyze in a joint-forum all the aspects of road planning, financing, building and operation, and therefore the contribution of the road sector to social development and improvement of life quality of human beings.

I am convinced it will be a great opportunity for all road professionals from all over the world to study and debate among colleagues the issues proposed by the Congress, in order to create an exchange and update of knowledge based on experiences and successful cases in the field of roads and road transport.

We, members of the association, are greatly honored to welcome you in Mexico. We wish you a pleasant journey, and we invite you to experiment our culture and our hospitality while discovering the cosmopolite and ancestral aspects of our city.
XXIVth World Road Congress
Mexico City, from 26th to 30th September 2011
Roads for a better life.

ORGANIZING COMMITTEE

MEXICAN ORGANIZING COMMITTEE

President: Fausto Barajas Cummings
SCT Vice-President: Humberto Ibarrola Díaz
AMIVTAC Vice-President: Clemente Poon Hung
General Coordinator: Rodolfo Felix Flores
General Reporter: Hector Bonilla
Communications: Efrén García
Marketing: Gerardo Muñiz
Protocol: Pamela Castillo
Registration: Laura Moreno
Technical Program: Víctor Sotelo.
Venue: Angel Barajas
Exhibition: Marina Obregon
Security and Transport: Delfino Cruz
Financing and Administration: Luis Rojas
Assistant to the President: Susana Cuevas Brun

WORLD ROAD ASSOCIATION

The program of the World Road Congress was developed with the Strategic Planning Commission, the Technical Committees and the General Secretariat under the responsibility of the Executive Committee of the World Road Association

Executive Committee (at beginning of 2011)
President: Anne-Marie Leclerc (Canada-Quebec)
Past-president: Colin Jordan (Australia)
Jim Barton (U-K), Francisco Criado (Spain), Dongchan Dai (China), Oscar de Buen Richkarday (Mexico), Mario Fernandez Rodriguez (Chile), Riccardo Formica (Italy), Hreinn Haraldsson (Iceland), Joseph Haule (Tanzania), Menno Henneveld (Australia), Tchona Idossou (Burkina-Faso), Keiichi Inoue (Japan), Abdul Karim Judin (Malaysia), Sung-Hwan Kim (Rep. Korea), Josef Kuntz (Germany), Bojan Leben (Slovenia), Martin Lelièvre (Canada), Georghe Lucaci (Romania), Gunyaswiwe Makaula (South Africa), Carlo Mariotta (Switzerland), Hicham N’Hammoucha (Morocco), Julio Cesar Ortiz Andino (Argentina), Jeff Paniati (USA), Virgaudas Puodziukas (Lituania), Christophe Saintillan (France), Claude Van Rooten (Belgium), Friedrich Zötter (Austria)

Strategic Planning Commission
Chairman: Jim Barton, Secretary: Mike Winter (U-K)

General Secretariat
Secretary general: Jean-François Corté
Jean-Marc Philippeau, Véronique Anselin, Céline Le Graciet, Marie Pastol, Hanitra Rabetaliana, Nathalie Sabbah, Cécile Aurousseau
Miguel Caso-Florez, Byeong-Jin Lee, Yasuyuki Matsumoto, Claire Murdoch, Carolina Theolin-Palmell
OPENING CEREMONY

Mexico welcomes you with our arms open!

Monday, September 26th at 9:30. Room: Valparaíso 1, 2 and 3

All Congress delegates and accompanying persons are welcomed to this ceremony where the President of Mexico, Felipe Calderon Hinojosa will do the honor of opening the XXIVth World Road Congress. This will be the starting signal for a 5-day journey through topical themes, innovations and experience to share to create together roads for a better life.

MINISTERS’ SESSION

Monday, September 26th at 15:00. Room: Valparaíso 1, 2 and 3

Transport is a strategic priority for all countries. It is essential to their economic viability and represents a large investment that has long term benefits. Society must reconcile economic benefits and social demands with the environmental and social impacts. Ensuring mobility sustainable has become one of the main goals of road infrastructure administrations and agencies.

These issues will be addressed in a plenary session chaired by the Secretary of Communications and Transport of Mexico, Mr. Dionisio Pérez-Jácome Friscione.

Ministers from all over the world responsible for road policy will share their points of view, in three round tables conducted by a professional moderator, on the following topics:

Round table 1: Sustainable transport financing.
Introductory speech by Mr. José Luis Irigoyen, Director of the Department of Transport, Water and Communications Technology of the World Bank.

Round table 2: Environmentally responsible development
Introductory speech by Mrs. Carole Coune, Secretary General of the International Transport Forum of the Organization for Economic Co-operation and Development.

Round table 3: Safe mobility
Introductory speech by Mrs. Anne-Marie Leclerc, President of the World Road Association.

KEYNOTE SPEECHES

On Tuesday 27th, Wednesday 28th and Thursday 29th, at 12:40, three keynote speeches will be delivered in plenary session after the morning parallel sessions.

Tuesday, September 27th:
Global Road Safety Issues, by Dr Etienne Krug, Director of the Department of Injuries and Violence Prevention of the World Health Organization.

Wednesday, September 28th
Prospective of public road policies in the road sector by Mr. Dionisio Pérez-Jácome Friscione, Secretary of Communications and Transport of Mexico.

Thursday, September 29th
Lessons learned from the great earthquakes of Chile and Japan, by Mr. Mario Fernandez Rodriguez, Director General of Roads, Ministry of Public Works, Chile, and Mr. Shigenobu Kawasaki, Director for Road Engineering Analysis, National Highway and Risk Management Division, Ministry of Land, Transport and Tourism, Japan.
**STRATEGIC DIRECTION SESSIONS**

With the support of National Reports received from a Call for Papers, these sessions will focus on future prospects from a political and strategic vision. They are organized and chaired by the four Strategic Theme Coordinators of the PIARC Strategic Plan 2008 – 2011 and will address:

- Mitigating the impact of the road system on climate change;
- Delivering integrated transport modes and services to customers;
- A strategic approach for safety: putting knowledge into practice;
- Managing road assets in the context of sustainable development and climate change adaptation.

**SPECIAL SESSIONS**

13 special sessions addressing topical issues complementing the Technical Committee sessions have been prepared with other international organizations related to the field of road infrastructure and road transport.

**TECHNICAL COMMITTEE SESSIONS**

These sessions will be dedicated to discussing and sharing the results of activities and work of the Technical Committees of the World Road Association for the 2008 – 2011 period.

**POSTER SESSIONS**

All accepted contributions from individual papers as a result of the Call for Papers will be displayed for half a day each at the Poster Sessions, where the authors will be able to meet and interact with Congress delegates.

**WORKSHOPS**

Workshops will take place on “Airfield Pavements” and on the software HDM-4 dedicated to the analysis of road investments.

**CLOSING CEREMONY**

**Friday September 30th at 14:00. Room: Valparaíso 3**

The Closing Ceremony is the frontier between the end of a four year cycle and the beginning of a new cycle of intensive work which will lead to the next edition of the World Road Congress in Korea in 2015.

In this plenary session, highlights of the congress and the new Strategic Plan 2012 – 2015 of the World Road Association will be presented. This will be followed by introduction of coming congresses and the handover to Korea for the organization of the XXVth World Road Congress.

Anne-Marie Leclerc, President of the World Road Association and Fausto Barajas Cummings, President of the Mexican Organizing Committee will express their gratitude to the congress delegates and formally close the congress.
PROGRAM OF THE CONGRESS

Monday 26 9:00-12:30 hrs.

Opening Ceremony
Monday 26 Morning 9:30-12:00
Palacio de Valparaíso
The opening ceremony will be honored with the attendance of the President of the Republic of Mexico Mr. Felipe CALDERÓN HINOJOSA who will deliver the opening speech. The Opening session will include:
- Welcome speech by Mr. Fausto BARAJAS CUMMINGS, President of the Organizing Committee
- Presentation of the Technical Program of the Congress by Mr. Jean-François CORTE, Secretary General of the World Road Association
- PARC Prize Awards Presentation
- Address by Mr. Dinosio PÉREZ-JACOME FRISCOME, Mexico’s Secretary of State Secretaría de Comunicaciones y Transportes
- Address by Mrs. Anne-Marie LECLERC, President of the World Road Association
- Opening speech by Mr. Felipe CALDERÓN HINOJOSA, President of the Republic of Mexico

Lunch Time 13:30-15:00 hrs.

Monday 26 15:00-17:30 hrs.

Ministers’ Session
Monday 26 Afternoon 15:00-17:30
Palacio de Valparaíso
“Sustainable mobility within social policy” is the theme of the Ministers’ session. Ministers from all around the world will be invited to share their point of view and explain the current challenges facing their countries and the solutions they are implementing. This session will be chaired by the Secretary of Communications and Transport of Mexico
The session will be divided into three panel discussions:
- Transport sustainable financing
- Safe mobility
- Environmentally responsible development

Tuesday 27 9:00-12:30 hrs.

STA “MITIGATING THE IMPACT OF THE ROAD SYSTEM ON CLIMATE CHANGE”
Time: Sep. 27, Tue. 9:00-12:30
Venue: Palacio de Valparaíso 2
Chair: Mr. Hicham NHAMMOUCHA, Road Director, Morocco, Strategic Theme Coordinator

Introduction
Mr. Hicham NHAMMOUCHA
An overview of climate change issues and contribution of the road system
Mr. Simon PRICE, Chair of Technical Committee A1 Preserving the Environment
Examples of national plans
- Norway: Ms. Eva SOUVI, Senior Principal Engineer, Norwegian Public Road Administration, Norway
- United Kingdom: Mr. Tony MARSHALL, ARUP, United Kingdom

Discussion
Break 10:30 - 11:00
Examples of national plans
- Austria: Mrs. Viktoria REISS-ENZ, Ministry of Transport, Austria
- Japan: Mr. Kunihiko OKA, Director, Road Environment Planning Office, Road Bureau, Ministry of Land, Infrastructure, Transport and Tourism, Japan
- USA: Mr. Ian SAUNDERS, FHWA, USA
- Spain: Mr. Francisco Javier ALEJANDRE MINGUEZ, Deputy General Director for Planning, Road Directorate, Ministry of Development, Spain

Discussion
Conclusions
Chair: Mr. Hicham NHAMMOUCHA

TC B.5 “WINTER SERVICE”
Time: Sep. 27, Tue. 9:00-12:30
Venue: Casa del Diezmo 1, 2
Chair: Ms. Gudrun ÖBERG, VTI, Sweden, Chair TC B.5
Co-chair: Mr. Paul PISANO, FHWA, USA
Mr. Didier GILOPPE, DSGI CETE Normandie Centre, France
Mr. José del Pino ALVAREZ, GRUPISA, Spain

Introduction
- Ms. Gudrun ÖBERG

Part 1. A Study of Winter Service Management Systems (WSMS) and Road User Information
- Mr. Martin HOBBIS, Highways Agency, UK
- Mr. Rick NELSON, Nevada Department of Transportation, USA

Part 2. Sustainable Development and Winter Road Service
- Mr. Xavier COGI, Belgian Road Research Center, Belgium
- Ms. Gudrun ÖBERG, VTI, Sweden

Part 3. Impact of Climate Change on Winter Service
- Mr. Mario MARCHETTI, CETE de l’Est-LRPC de Nancy, France
- Ms. Gudrun ÖBERG, VTI, Sweden

Part 4. Communication with Road Users
- Mr. Kuno MANNIK, Estonian Road Administration, Estonia

Discussion
Break 10:30 - 11:00

Part 5. XIII International Winter Road Congress in Québec 2010
- Ms. Gudrun ÖBERG, VTI, Sweden

Part 6. Snow and Ice Data Book 2010
- Mr. Richard CHARPENTIER, Ministry of Transport, Quebec, Canada

Part 7. Snow Plough Championship
- Mr. Didier GILOPPE, DSGI CETE Normandie Centre, France

Part 8. Summary of Seminars in Czech Republic and Mongolia
- Mr. Didier GILOPPE, DSGI CETE Normandie Centre, France

- Mr. Paul PISANO, FHWA, USA

Part 10. Round table – final discussion

Conclusions
- Mr. Paul PISANO
- Chair: Ms. Gudrun ÖBERG

SP 03. “INTEGRATION OF ROAD NETWORKS AND OTHER SURFACE TRANSPORT MODES AT CONTINENT LEVEL AND MODAL SHIFT”
Time: Sep. 27, Tue. 9:00-12:30
Venue: Palacio de Iturbide 2, 3
Chair: Mr. Fausto BARAJAS CUMMINGS, President of the Council of Road Directors for Iberia and Latin America (DIRCAIBEA)

Part 1. Integration of Transport Modes
Promoting modal shift and integration of road with other modes through development of inland dry ports in Asia
- Mr. Madan Bandhu REGMI, officer-in-Charge, Transport Policy and Development Section, Transport Division, UN/ECE/ESCAP

Integration in South America
- Ms. Graciela POORTO, Executive Secretary, Central Corridor, Argentina

Perspective from Europe
- Mr. Szabolcs Geza SCHMIDT, DG Move, European Commission

Break 10:30 - 11:00

Part 2. Modal Shift. What can We Expect?
Potential effects of higher capacity vehicles on road freight activity, intermodal transport and modal shift
- Mr. Stephen PERKINS, Head of OECD/TTF Joint Transport Research Center
- HGV traffic transiting through the Swiss Alps: Model shift from road to rail?
- Mr. Rudolf DIETERLE, Director General, Federal Roads Office, Switzerland

Panel Discussion
Conclusions
- Chair: Mr. Fausto BARAJAS CUMMINGS
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Roads for a better life.

SP 08. “GOOD GOVERNANCE AND INTEGRITY”
Time: Sep. 27, Tue. 09:00 - 12:30
Venue: Casa del Diezmo 3, 4
Co-Chairs: Mr. Heine HARALDSSON, President of the Nordic Road Association and Mr. Carlo MARIOTTA, member of the World Road Association Executive Committee

Part 1. Recent Approaches
Progress as seen from the civil society
- Mr. Eduardo BOHORQUEZ, Executive Director, Transparencia Mexicana, Mexico
- Lessons from review of World Bank projects
- Mr. Marc JUEHEL, Transport Sector Manager, World Bank
- Fighting corruption, creating a level playing field - The contractor’s view
- Mr. Per NIELSEN, Senior Advisor to NCC Sweden, Sweden

Integrity: A daily challenge or a matter of course?
- Mr. Alexander WALCHER, ASFINAG, Austria

Break 10:30 - 11:00

Part 2. Case Studies
Case study El Salvador
- Mr. Gerson MARTINEZ, Minister of Public Works, El Salvador

Best practice in the Romanian national administration in the field of good governance – Institutional integrity
- Mr. Petre DUMITRIU, Director for Quality, National Company of Highways and National Roads of Romania, Romania

Ethics: The cornerstone of good governance
- Mr. Nazir ALLI, Chief Executive Officer, South African National Roads Agency Ltd, South Africa

Conclusions
- Chairs

SP 09. “ROAD SAFETY: THE UN DECADE OF ACTION”
Time: Sep. 27, Tue. 09:00 - 12:30
Venue: Palacio de Valparaiso 1
Co-Chairs: Ms. Susan MARTINOVIČCH, President AASHTO and Mr. Tchona IDOSSOU, Vice President AGEPAR, member of the World Road Association Executive Committee

Part 1. UN Decade of Action
The UN Decade of Action: what is the plan and how do we achieve it?
- Dr. Etienne KRUG, WHO

Adding value to the road infrastructure
- Ms. Karla GONZÁLEZ CARVAJAL, Consultant, Interamerican Development Bank

Youth and road safety issues
- Mr. Floor LIETHOUT, Director YOURS

Declaration from the World Road Association
- Ms. Anne-Marie LECLERC, President, World Road Association

Break 10:30 - 11:00

Part 2. Panel Discussion
(Moderator: Dr. Ahmad Farhan MOHD SADULLAH, USM, Malaysia, Chair TC C.2)
Latin America
- Ms. Susan MARTINOVIČCH, President AASHTO and Mr. Tchona IDOSSOU, Vice President AGEPAR, member of the World Road Association Executive Committee

Asia
- Africa

Conclusions
- Chairs

Terminology
Time: Sep. 27, Tue. 12:00 - 12:30
Venue: Pavilion of the World Road Association (Exhibition hall)

Presentation of work and outputs of the Committee on Terminology and demonstration of the use of the multilingual technical dictionaries, lexicons and translation tools available on the Association’s website.

Tuesday 27 12:40-13:30 hrs.

Keynote speech
Tuesday 27 Morning 12:40-13:30
Palacio de Valparaiso 3
A global perspective on road safety challenges and opportunities: Dr. Etienne KRUG
Director Department of Injuries and Violence Prevention, World Health Organization

Lunch Time 13:30-15:00 hrs.

Tuesday 27 15:00-18:30 hrs.

STC A “A STRATEGIC APPROACH FOR SAFETY: PUTTING KNOWLEDGE INTO PRACTICE”
Time: Sep. 27, Tue. 15:00-18:30
Venue: Palacio de Valparaiso 1
Chair: Mr. Jeffrey PANIATI, FHWA, USA, Strategic Theme Coordinator

Introduction
- Mr. Jeffrey PANIATI

Part 1. Strategic Plans and Approaches
World Bank - Its approach to promoting road safety
- Ms. Tawia ADDO-ASHONG, Program Coordinator, GRSF, Transport, Water, Information & Communication Technologies Department, The World Bank Group

China – Responses to the effects of growth of number of vehicles and recent declines in the number of crashes and fatalities
- Ms. Cheng-cheng LI, Deputy Chief of the Road Safety Research Center of Ministry of Transport, China

United States - Toward Zero Deaths: A National Strategy for Highway Safety
- Ms. Susan MARTINOVIČCH, President, American Association of State Highway and Transportation Officials, USA

Spain - Strategic Plan for Road Safety: Goals and Accomplishments
- Mr. Roberto Llamas RUBIO, Road Safety Coordinator, Road General Directorate, Ministry of Public Works

Break 16:30-17:00

Part 2. The Transfer of Knowledge into Practice
Viet Nam- Developments in its National Road Safety Project
- Mr. Pham Quang VINH, Deputy Director General, Directorate for Roads of Viet Nam

Australia - Application of innovative technologies for mitigation of road safety risks
- Dr. Soames JOB, Chief of the New South Wales Centre for Road Safety and Chair of the National Road Safety Strategy, Australia

France – “Training of professional and non-professional drivers regarding safe behaviour in tunnels”
- Mr. Marc TEISSON, Centre d’Etudes des Tunnels (CETU), France

Mexico – Results on the implementation of training and education efforts listed in its National Report
- Mr. Jesús Manuel CHAVARRIA VEGA, Instituto Mexicano del Transporte, Mexico

Conclusions
- Chair

TC A.3 “ROAD SYSTEM ECONOMICS AND SOCIAL DEVELOPMENT”
Time: Sep. 27, Tue. 15:00-18:30
Panel: Mr. Alberto COMPTE, Cedex, Spain, Chair of TC A.3
Co-chair: Mr. Guillermo TORRES, Mexican Transportation Institute, Mexico

Introduction
- Mr. Alberto COMPTE and Mr. Guillermo TORRES

Part 1. Approaches to assessment of social impacts of road projects
Systematic approaches for the ex ante evaluation
- Mr. Martin PUCHERM, Team leader “Environmental and approval management”, ASFINAG, Austria

Practices followed by the International Financial Institutions
- Mr. Laurent GNALIN, Coordinator of the Programme of Adjustment and d’Investissements du Secteur des Transports en Côte d’Ivoire, Côte d’Ivoire

Contributions from ex post evaluation
- Mr. Maxime JEBALI, Directorate of Transport Infrastructure, Ministère de l’écoologie, du Développement durable, des Transports et du logement, France

Open discussion
- Moderator: Mr. Ernest ALBUQUERQUE, Principal Advisor, New Zealand Transport Agency, New Zealand

Break 16:30-17:00

Part 2. Assessment of road pricing effects
Worldwide situation of road pricing
- Mr. Arpad SIPoss, Toll Strategy Bureau, KKK, Coordination Center for Transport Development, Hungary

Assessment of pricing effects
- Mr. Friedrich SCHWARZ-HERDA, Motorway Tolling, Federal Ministry for Transport, Innovation and Technology, Austria

Open discussion
- Moderator: Mr. Malika SDDI, International Affairs, ASTA – French toll motorway companies association, France

Conclusions
- Chair: Mr. Alberto COMPTE and Mr. Guillermo TORRES

**SP 04. “LARGE CITIES: INTEGRATION OF THE SURFACE TRANSPORT MODES”**  
**Time:** Sep. 27, Tue. 15:00 – 18:30  
**Venue:** Casa del Diezmo 1, 2  
**Co-Chairs:** Mr. Clemente Poon Hung, President of AMITAC and Mr. Claude Van Rooten, member of the World Road Association Executive Committee

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**Part 1. City-wide Strategies**  
City-wide strategies for integration of surface transport modes in large cities:  
- Mr. Anita Curijn, Technical Committee B3, Australia  
- Mr. Adriana de Almeida Lobato, Executive Director, Sustainable Transport Center of Mexico, Mexico  
- Beijing: Towards a world city with the People's, Hi-tech and Green Transportation System  
- Mr. Minwei Li, Beijing Transport Research Center, China  
- Ten years of the Zurich mobility strategy – Lessons learned and outlook  
- Mr. Martin Buck, SNV Ingenieur and Planer AG, Switzerland

**Part 2. Specific Treatments**  
Making existing roads operate better:  
- Mr. Andrew Somers, Business Development Manager ITS, VicRoads Road User Services, Australia  
Road network and mass transit – The challenge of integration in the Montreal metropolitan region:  
- Mr. Michel Velleux, Vice-president, Agence Metropolitaine des Transports, Canada-Quebec  
Urban mobility in the district of Bamako:  
- Mr. Malik Kasse, Direction Nationale des Transports Terrestres, Maritime et Fluviaux, Mali  
Measures for use of public transport in Osaka City:  
- Mr. Satoshi Ariki, Osaka City Government, Japan

**Conclusions**  
- Chairs

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**SP 05. “SUSTAINABLE RURAL ROAD NETWORKS”**  
**Time:** Sep. 27, Tue. 15:00 – 18:30  
**Venue:** Palacio de Valparaíso 3  
**Co-Chairs:** Mr. Esteban Diez, InterAmerican Bank of Development & Mr. Julio Cesár Ortiz Andino, Member of the World Road Association Executive Committee

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**Introductory report**  
- Mr. Terje Tessell, International Labour Organization  

**Part 1. Accessibility and Planning of the Development of Rural Roads**  
- The Pradhan Mantri Gram Sadak Yojana, Program for rural roads development in India:  
  - Mr. P.K. Anand, Director General, Rural Development, Ministry of Rural Development, India  
  - Mr. Victor Arevalo, LAV, International Forum for Rural Transport and Development, University Ricardo Palma, Peru  
  - Mr. Durhaneane Siriphonne, Senior Engineer, Department of Roads, Ministry of Public Works and Transport, Laos

**Conclusions**  
- Chairs

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**SP 07. “PERFORMANCE-BASED MANAGEMENT OF THE ROAD TRANSPORT SYSTEM”**  
**Time:** Sep. 27, Tue. 15:00 – 18:30  
**Venue:** Casa del Diezmo 3, 4  
**Co-Chairs:** Mr. Karim Judin, Chairman REAAA and Mr. Jim Barton, member of the World Road Association Executive Committee

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**Introduction**  
- Mr. Jim Barton, President, Strategic Planning Commission of World Road Association  

**Part 1. Case studies**  
Resource allocation decision making in the New South Wales context:  
- Mr. Brendan Nugent, Department of Transport, New South Wales, Australia  
Governing and paying for England’s roads:  
- Mr. Michael Selfe, RAC Foundation, UK  
Highway system performance management – state of play in the USA:  
- Mr. Kirk Steeple, Michigan DOT, USA

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**Wednesday 28 9:00-12:30 hrs.**

**STB “DELIVERING INTEGRATED TRANSPORT MODES AND SERVICES TO CUSTOMERS”**  
**Time:** Sep. 28, Wed. 9:00-12:30  
**Venue:** Casa del Diezmo 1, 2  
**Chair:** Mr. Keiichi Inoue, Japan, Strategic Theme Coordinator  
**Co-Chair:** Dr. Hirofumi OHNISHI, Japan Society of Civil Engineers, Japan

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**Introduction**  
- Chair: Mr. Keiichi Inoue  

**Part 1. Revolutionary intermodal passenger transport and logistics**  
Optimum utilization of limited financial resources: sweating the asset:  
- Mr. Jim Barton, First Delegate of United Kingdom  
Large City:  
- Mr. Takumi Yamamoto, Director for Road Planning, Planning Division, Road Bureau, Ministry of Land, Infrastructure, Transport and Tourism, Japan  
Appropriate means of transport and goods traffic: results from the Swiss national research programme:  
- Mr. Martin Ruesch, Rapp Trans AG, Zürich, Switzerland  
Intermodal Passenger Transport Centers in Mexico City – Private-public investment project:  
- Mr. Edgar Amador Zamora, Under-Secretary for Financial Planning in the Finance Secretariat of Federal District Government, Mexico

**Conclusions**  
- Presenters  
- Mr. Carlos Santillan, TCB.4 member of Mexico

**Part 2. Innovative measures against traffic congestion**  
Social innovation such as ITS, implemented in Austria:  
- Mr. Markus Messner, Assistant of the General Manager, ASFINAG, Austria  
Social innovation such as ITS, implemented in United Kingdom:  
- Dr. John Miles, Former Chair of TC on Network Operations, United Kingdom  
Improvement of mobility in urban areas – Case study of Mexico City and Chihuahua city:  
- Dr. Cecilia Olaqu, TCB.3 member, Mexico  
Efficient utilization of financial resources:  
- Mr. Cristian Andrei, Romania

**Conclusions**  
- Chair: Mr. Keiichi Inoue
**Program of the Congress**

**TC A.2 “FINANCING, MANAGING AND CONTRACTING OF ROAD SYSTEM INVESTMENT”**

**Time:** Sep. 28, Wed. 9:00-12:30

**Venue:** Palacio de Valparaíso 2

**Chair:** Mr. Henri CHUA, IM Technologies, United Kingdom, Chair TC A.2

**Introduction**

- Mr. Henri CHUA

**Part 1.**

- TC A.2 and Activities 2008-2011
- Mr. Gerardo GAWLANES, Ministry of Development, Spain
- Road Funding in PMRC Countries
- Mr. Takasuki NAMBU, Hanshin Expressway Company, Japan
- Road Funding in Sub-Saharan Africa and the Case of Ivory Coast
- Mr. Olivier KOUDOU, Université d’Abidjan Cocody, Ivory Coast
- PPP’s and Contingent Liabilities: A Texan Case
- Mr. Rafael ALDRETE, Texas Transportation Institute, USA

**Questions and answers**

**Break 10:30 - 11:00**

**Part 2.**

**Introduction**

- Chair: Mr. Mike GODDALL, Ministry of Transport of Ontario, Canada
- Private Sector Roles
- Mr. Jean-Francois LANGUMIER, Autoroutes Paris-Rhin-Rhône (APRR), France
- Contractual Arrangements for Private Sector Maintenance Services in PMRC Countries
- Mr. Brian NOBLE, Main Roads, Western Australia, Australia
- Road Rehabilitation and Maintenance in Colombia
- Mr. Juan Bocarejo SUESCUN, Universidad de los Andes, Colombia
- Integrated Services Arrangements in Western Australia
- Ms. Maria SARUBIN, Main Roads, Western Australia, Australia

**Questions and answers**

**Conclusion**

- Chair: Mr. Henri CHUA

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**TC C.1 “SAFER ROAD INFRASTRUCTURE”**

**Time:** Sep. 28, Wed. 9:00-12:30

**Venue:** Palacio de Valparaíso 1

**Chair:** Mr. Hans-Joachim VOLPPRACHT, Consultant, Germany, Chair TC C.1

**Co-chair:** Mr. GREENHALGH, Amey, United Kingdom

**Introduction**

- Chair: Mr. Hans-Joachim VOLPPRACHT

**Part 1. Incorporating human factors in road design for influencing driver behaviour**

- Ms. Silbety BIRTH, Intelligenz Transfer Portodam, Germany & Mr. Emilio FRANCISCO, Mexico
- Strong feeling of right-of-way and reaction times - Analysis of accidents in intersections
- Ms. Marina HUGHES / Mr. Joël YEPZE, IFSTTAR, France
- An innovative geometric road design for a safer infrastructure
- Mr. Eric LUCQUET, Epo, France


- Mr. Mike GREENHALGH, Amey, United Kingdom
- Mrs. Elizabeth ALCANDERI, FHWA, United States of America
- Mr. Ashfa BAHADUR, India

**Break 10:30 - 11:00**

**Part 3. Urban Development Issues: Linear settlements, vulnerable road users and the implications for urban land use and development**

- Mr. Hans-Joachim VOLPPRACHT, Germany
- Mr. Marion DEEREF, BFH-AHB, Switzerland
- Policies and solutions for preventing linear settlement
- Mr. Abou AYASH, Public establishment for Road Communications, Syria
- Safer Roads in Bangladesh: Addressing the Challenges of Road Infrastructure Safety and Linear Settlements
- Dr. Md. Mrishul HOQUE, Department of Civil Engineering, Bangladesh University of Engineering and Technology, Bangladesh


- The new approach of Road Infrastructure Safety Management - Preconditions, Instruments and Examples
- Dr. Jürgen GERLACH, University of Wuppertal, Germany
- Evaluation of Some Results of the 2010 AASHO Highway Safety Manual
- Mr. Alberto MENDOZA, Mexican Transportation Institute, Mexico
- Innovative tools and pragmatic methods for improvement of safety on the national roads network in France
- Mr. Rodolphe CHASSANNE-MOTTIN, Ministry of Ecology, Sustainable development, Transport and Housing, France
- The Turkish Application of Safety Impact Assessment Tool
- Mr. Cemilur AYDIN, Atılım University, Turkey

**Conclusion**

- Chair: Mr. Hans-Joachim VOLPPRACHT

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**SP 01. “SUSTAINABILITY OF ROAD TRANSPORT. WHERE ARE WE HEADING, HOW DO WE ASSESS SUSTAINABILITY?”**

**Time:** Sep. 28, Wed. 09:00 - 12:30

**Venue:** Casa del Diezmo 3, 4

**Chair:** Mr. Christian LEVY, Ministry of Ecology, Sustainable Development, Transport and Housing, France, Former Vice-President of the World Road Association

**Part 1. Assessment of Sustainability**

- Assessment of road projects: From the classical cost-benefit analysis towards an integrated approach of sustainability
- Mr. Damien GRANGEON, SETRA, Ministry of Ecology, Sustainable Development, Transport and Housing, France
- SDA and e2DA – A new holistic approach to include social impacts in appraisal procedures for road infrastructure investments
- Mr. Gerd SAWMER, University for Natural Resources and Life Sciences, Austria
- Sustainability toolkit for transport projects
- Mr. Marc JUHEL, Transport Sector Manager, World Bank

**Break 10:30 - 11:00**

**Part 2. Case Studies**

- The road towards sustainable infrastructure - A review of dutch experiences with including sustainability aspects in design & build contracts
- Ms. Monica ALTMANN, Deltras, The Netherlands
- Evolving concepts of transport sustainability: U.S. experience
- Mr. Robert SKINNER, Executive Director, Transportation Research Board, USA
- Findings of the socio-economic impact study of the road maintenance and rehabilitation program in Panama New Guinea
- Mr. William ASGAIU, Department of Works, Papua-New Guinea
- Assessing the wider economic benefits of transport projects: the New Zealand experience
- Mr. Ernest ALDUEQUIE, New Zealand Transport Agency, New Zealand

**Conclusions**

- Chair: Mr. Christian LEVY

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**SP 06. “TRANSPORT AND LAND USE PLANNING - HOW WELL INTEGRATED ARE THEY?”**

**Time:** Sep. 28, Wed. 09:00 - 12:30

**Venue:** Palacio de Ibaride 2, 3

**Chair:** Mr. Karim GHELLAB, Minister Equipment and Transport, Morocco

**Part 1. Institutional and Other General Aspects**

- Institutional barriers to integrating land use and transport planning and the way forward - Case study of India and Kuwait
- Mr. O.P. AGARWAL, Sr Urban Transport Specialist, World Bank
- Strategic planning process in Argentina
- Mr. Marta AGUILAR, Ministry of Planning, Public Investment and Services, Argentina
- Perspectives on the Integration of transportation and land use planning in the United States
- Ms. Paula HAMMOND, Washington Dc, USA

**Break 10:30-11:00**

**Part 2. Urban Aspects**

- Introductory presentation: comparative analysis on different large cities
- Mr. André BRUTO, Deputy Director General, Cofiroute, France
- The medium-term strategy to realize multi-modal mobility in Tokyo metropolitan region
- Mr. Takashi YAJIMA, Institute of Behavioural Sciences, Japan
- Viewpoint on greater Paris region situation
- Mr. Simon COITEL, Prospective Department, Cofiroute, France
- The Madrid case study: The HUD-bus system
- Ms. Soledad PÉREZ-GALDÓS, General Director of Roads of Madrid Region, Spain

**Conclusions**

- Chair: Mr. Karim GHELLAB

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**Workshop HDM-4. INTRODUCTION (In English)**

**Time:** Sep. 28, Wed. 9:00-12:30

**Venue:** Montejo 1

**Chair:** Dr. Eric STANNARD, HDMGlobal

**Part 1. Introduction**

- Introduction to HDMGlobal
- Dr. Eric STANNARD, HDMGlobal
- Overview of HDM-4 and main improvements in version 2
- Dr. Eric STANNARD, HDMGlobal
- Current and future developments
- Mr. Ron ROPER, ARRB/HDMGlobal

**Break 10:30 - 11:00**
Part 2. Applications
Illustrations of applications of HDM-4 throughout the world
• Mr. Robert MESSIARD, EGIS/HDMGlobal
• Mr. Mauricio SALGADO, ICH/HDMGlobal
Support for HDM-4 in Latin America(1): Role of Mexican Transport Institute
• Mr. Ricardo SOLORIO, IMT/HDMGlobal
Questions / Answers

Poster sessions
Time: Sep. 28, Wed. 09:00 – 12:30
Venue: Poster corner in Exhibition Hall
Presentation by the authors of accepted papers for:
Topic 20: Sustainable Approaches for Road Tunnels
Topic 23: Road Bridges
Topic 24: Innovations in the Treatment and Use of Marginal Local Materials
Topic 25: Innovations in Construction and Maintenance of Unpaved Roads in Developing Countries

Wednesday 28 12:40-13:30 hrs.

Keynote speech
Wednesday 28 Morning 12:40-13:30
Palacio de Valparaiso 3
“Prospective of public road policies in the road sector”, par Mr. DioniSo PÉREz-JÁCOME FRISCIONE, Secretary of Communications and Transport of Mexico.

Lunch Time 13:30-15:00 hrs.

Wednesday 28 14:00-14:30 hrs.

Terminology
Time: Sep. 28, Wed. 14:00-14:30
Venue: Pavilion of the World Road Association (Exhibition hall)
Presentation of the work and outputs of the Committee on Terminology and demonstration of the use of the multilingual technical dictionaries, lexicons and translation tools available on the Association’s website.

Wednesday 28 15:00-18:30 hrs.

ST D “MANAGING ROAD ASSETS IN THE CONTEXT OF SUSTAINABLE DEVELOPMENT AND CLIMATE CHANGE ADAPTATION”
Time: Sep. 28, Wed. 15:00-18:30
Venue: Casa del Diezmo 3, 4
Chair: Professor Gheorghe LUCACI, University Politechnica of Timisoara, Romania, Strategic Theme Coordinator

Introduction
• Professor Gheorghe LUCACI
Part 1. Sustainable Management of Road Assets
The Perenniaility of infrastructures in the Context of Sustainable Development
• Mr. Richard CHAPENNIER, Ministry of Transportation of Quebec, Canada
Road Management System based on HDM 4
• Mr. Ricardo SOLORIO, Mexican Institute for Transportation, Mexico
The National Account for Road Infrastructures
• Mr. Fernando CRESPÓ DÍAZ, Institute for Road Infrastructure (IRI), Portugal
Discussion
Break 16:30-17:00

Part 2. Climate Change, Sustainability, Quality. Specific Innovative Solutions for Materials and Technologies
Impact of Climate Change on Road Performance
• Mr. L. GASPAR and C. KOPIEN, Szczecin University, Iceland, Hungary
Technical Solutions and Sustainable Policies for Material Recycling
• Mr. Suniel WANKAR, FHA, USA
Recycling Materials from Road Pavements
• Mr. Stefan MARCHENRIK, Research Institute of the Austrian Association of the Cement Industry, Austria
Sustainable Road Pavements. Accelerated Test
• Mr. Radu ANDREESCU, Professor, Technical University “Gheorghe Asachi”, Iasi, Romania
Discussion
Conclusions and future actions
• Chair: Professor Gheorghe LUCACI

TC A.1 “PRESERVING THE ENVIRONMENT”
Time: Sep. 28, Wed. 15:00-18:30
Venue: Palacio de Valparaiso 2
Chair: Mr. Simon PRICE, United Kingdom, Chair TC A.1
Co-chair: Ms. Lisa ROSSITER, New Zealand, English Speaking Secretary of TC A.1

Introduction
• Mr. Simon PRICE
Part 1. Climate change adaptation and mitigation policies and approaches
• Mr. Pierre DORCHIES, Director of Sustainable Development, Sintra, Canada-Quebec
Road system energy – a review of alternatives
• Mr. Ian CLARKE, Associate Director, Environment and Sustainability, Amey, United Kingdom
Environmental Sustainability as a Performance Measure for Assessing Preventive Maintenance Policies
• Mr. Filippo GIUSTOZZI, USA
The challenge of including system effects and system boundaries into the environmental evaluation of road projects
• Mr. Ulrich LETH, Austria
Break 16:30-17:00

Part 2. Monitoring environmental impacts of road transport
• Ms. Agnes JULLIEN, French Institute of Science and Technology for Transport and French Monitoring environmental impacts of road transport
• Mr. Juan D. QUINTERO, USA
The ASF biodiversity conservation program
• Mr. Frederick DEPAPE, Autoroutes du Sud de la France, France
Conclusions
• Chair: Mr. Simon PRICE

TC B.1 “GOOD GOVERNANCE OF ROAD ADMINISTRATIONS”
Time: Sep. 28, Wed. 15:00-18:30
Venue: Casa del Diezmo 1, 2
Chair: Mr. Paul van der Kroon, DWW, The Netherlands, Chair TC B.1

Introduction
• Mr. Paul van der Kroon
Part 1. Best Practice For Good Governance
Corruption in the broader sense (issues, cost and societal implications, and interaction between the cycles of integrity and corruption)
• Mr. Jonathan SPEAR, Atkins Transport Planning and Management, UK
The cost of corruption and the case for integrity
• Mr. Soeren FDGIH, Danish Road Directorate, Denmark
The cycle of integrity – societal considerations
• Mr. Soeren FDGIH, Danish Road Directorate, Denmark
Part 2. Improved Services for Customers
Steps of customer cooperation and the segmentation of customers
The Auckland Motorway Alliance approach focusing on users, neighbours, agencies and citizens: ‘tell us about your motorway’
• Mr. Dave RENDALL, Auckland Motorway Alliance, New Zealand
Changes undertaken to better understand and address the diverse transportation needs of Singaporeans
• Mr. Chandrasekar PALANISAMY, Land Transport Authority, Singapore
Break 16:30-17:00

Key topics: Identify skills gap, attract/recruit/retain, influence education
Recruitment and training processes for the Trans-Maghreb Motorway
• Mr. Alissa BENTABET, Egis, France
Questions and answers
Conclusions
• Chair: Mr. Paul van der Kroon
XXIVth World Road Congress
Mexico City, from 26th to 30th September 2011

Program of the Congress

TC C.2 “SAFER ROAD OPERATIONS”
Time: Sep. 28, Wed. 15:00-18:30
Venue: Palacio de Valparaíso 1
Chair: Dr. Ahmad Farhan MOHD SADULLAH, USM, Malaysia, Chair TC C.2

Introduction
• Dr. Ahmad Farhan MOHD SADULLAH
  Comparison between nations
• Mr. George MAVROIYENI, VicRoads, Australia
  Sustainable Development of a Road Safety Framework
• Mr. Seng Tim HO, Land Transport Authority, Singapore
  Innovative Safety Analysis Resources from the U.S
• Mr. Mike GRIFFITH, Federal Highway Administration, USA
  Vehicle trajectory analysis: a new approach of road safety
• Mr. Bernard JACOB, IFSTTAR, France

Break 16:30-17:00

Part 2. Road Safety Campaigns
Best practices in Road Safety Campaigns
• Mr. Randall CABILE, South African National Roads Agency Limited, South Africa

Part 3. Cost Effectiveness
Cost effectiveness of Safety Measures and Allocation of Resources
• Mr. Wim WIJNEN, SWOV Institute of Road Safety Research, The Netherlands

Part 4. Panel Discussion: Ensuring Safer Road Operations
• Mr. Ahmad Farhan MOHD SADULLAH, Malaysia: Moderator
• Mr. Seng Tim HO, Land Transport Authority, Singapore
• Mr. Wim WIJNEN, SWOV Institute of Road Safety Research, The Netherlands
• Mr. Mike GRIFFITH, Federal Highway Administration, USA
• Mr. George MAVROIYENI, VicRoads, Australia
• Mr. Randall CABILE, South African National Roads Agency Limited, South Africa

Conclusions
• Chair: Dr. Ahmad Farhan MOHD SADULLAH

SP 02: “WHAT ARE THE PERSPECTIVES FOR ROAD TRANSPORTATION SYSTEMS IN DIFFERENT PARTS OF THE WORLD?”
Time: Sep. 28, Wed. 15:00 – 18:30
Venue: Palacio de Iturbide 2, 3
Co-Chairs: Federico PATINO, Banobras and Mr. Menno HENNEVELD, member of the World Road Association Executive Committee

Part 1. Perspectives for Road Transport Systems
For the well-off society and sustainable development: perspectives for road transportation system of China.
• Mr. Xinghua LI, Director General, Transport Planning & Research Institute, China
  Perspective of development of road transport in the UEMOA space: case study of the hinterland countries (Burkina Faso, Mali and Niger)
• Mr. Habou Soufiane MAGAGI, Director Infrastructures, hinterland countries (Burkina Faso, Mali and Niger)
  Perspectives of the road transport system in Mexico
• Mr. Oscar de BUEN RICHARDY, Consultant, Former Undersecretary of Infrastructure, Mexico
  Transport infrastructure development in the Russian Federation.
• Mr. Anatoly CHABUNIN, Director of the Federal Road Agency, Ministry of Transport, Russian Federation

Break 16:30-17:00

Part 2. Perspectives for Road Transport Systems (continued)
The Mesoamérica project: promoting road safety and quality of the road network in Central America
• Mr. Alejandro MOLINA SOLIS, Director of Public Works, Ministry of Public Works and Transport, Costa Rica
  Future of the United States transportation system
• Mr. Victor MENDEZ, Administrator FHWA, USA
  Perspectives from India
• Mr. R. P. INDIRA, Director general, from Ministry of Road Transport and Highways, India

Conclusions
• Chairs

WORKSHOP ON AIRFIELD PAVEMENT, Part 1
Time: Sep. 28, Wed. 15:00-18:30
Venue: Casa Montejo 1
Chair: Mr. Cyril FABRE, AIRBUS, France

Welcome and Seminar Overview
• Mr. Cyril FABRE, AIRBUS, France
  ICAO Perspectives, AP-ADS-G Pavement Subgroup Working program
• Ms. Luisa RICALDE, ICAO Regional Office, Lima, Peru
  Session 1. Functional Requirement / Surface Characteristics of Airfield Pavements
  (Chair: Pr. Imad L. AL-QADI, University of Illinois)
  Balancing Asphalt Rut Resistance with Durability and Safety Requirements on Runway
  Rehabilitations
• Mr. Emile HORAK, Kubu Consultancy Pty Ltd., South Africa
  Slippery Asphalt Runways After Rejuvenation
• Mr. Stephen EMERY, University of Witwatersrand, South Africa

Break 16:30-17:00

A Dynamical Time-Domain Analysis for Heavy Weight Deflectometers Backcalculations
• Mr. Michael BOUTIN, French CAA, France
  Aircraft Cockpit Ride Quality in Ground Maneuvers
• Mr. Gordon HAYHOE, FAA Airport Technology R&D, USA
  Full-scale Traffic Tests on Flexible Pavements with 6- and 10-Wheel Gear Configurations
• Mr. Gordon HAYHOE, FAA Airport Technology R&D, USA
  Day 1 Close

Poster Sessions
Time: Sep. 28, Wed. 15:00 – 18:30
Venue: Poster corner in Exhibition Hall
Presentation by the authors of accepted papers for:
Topic 2: Innovative Road Management Arrangements
Topic 3: Funding of Road Infrastructure
Topic 4: Shadow and Direct User Toll (PPP)
Topic 5: Economic Aspects of Mobility Pricing
Topic 6: New Approaches to Appraisal of Social Impacts of Road Projects

Thursday 29 9:00-12:30 hrs.

TC A.4 “RURAL ROAD SYSTEMS AND ACCESSIBILITY TO RURAL AREAS”
Time: Sep. 29, Thu. 9:00-12:30
Venue: Palacio de Valparaíso 2
Chair: Mr. Enrique LEON DE LA BARRA, Chair TC A.4

Introduction
• Mr. Enrique LEON DE LA BARRA
  Part 1. Sustainability of Maintenance
  Introduction
• Mrs. Manon BARIL, Transports Canada, Canada
  Gravel road maintenance policies define the service level of the unpaved road network in Finland
• Mr. Pasi PATRIKAINEN, Centre for Economic Development, Transport and the Environment for North Savo, Transport and Infrastructure, Finland
  The rural roads program in Berlin: Long lasting maintenance of rural roads
• Mr. Isidore Joseph DISSOUL, COWI, Benin

Break 10:30 - 11:00

Part 2. Involvement of local communities
Introduction
• Mr. Prabha Kant KATARE, India
  Community participation on development of rural roads
• Mr. K.C. DHIMOLE, Chief Executive Officer, Arunachal Rural Roads Development Agency, India
  Towards sustainable maintenance of rural roads unsealed
• Mr. Luc BEAULIEU, Université Laval, Canada-Quebec
  Roads to live better
• Mr. Abraham E. CADENA SANCHEZ, Mexico

Conclusions
• Chair: Mr. Enrique LEON DE LA BARRA
TC B.2 “ROAD NETWORK OPERATIONS”
Time: Sep. 29, Thu. 9:00-12:30
Venue: Casa del Diezmo 1, 2
Chair: Mr. Martial CHEVREUIL, Egis, France, Chair TC B.2

Introduction
Overview of the TC B.2 activities
- Mr. Martial CHEVREUIL

Part 1. Management of congested areas and road corridors
Review of case studies, main lessons learned and recommendations
- Mr. Robert ARNOLD, Office of Transport Operations, USA
- Mr. Phil LAWS, Department for Transport, Energy & Infrastructure, South Australia, Australia
- Ms. Susan SPENCER, ITS, Transport Canada, Canada

Part 2. The ITS and Network Operation handbooks
Presentation of the website
- Mr. John MILES, Asherhold, UK

Part 3. Implementation of B2 recommendations in the next cycle
Questions and answers
- Moderator: Mr. Martial CHEVREUIL

Break 10:30 - 11:00

Part 4. Selected examples of measures for operations
Monash-City Link-West Gate Upgrade - Freeway Management System
- Mr. Andrew SOMERS, VicRoads, Australia
Ensuring An Appropriate Level of Expressway Management by Using Outcome Indicators
- Mr. Katsuhiko NAKAMURA, Japan Expressway Holding and Debt Repayment Agency, Japan
Modelling Toll Plazas using queue theory
- Mr. Felipe SOUSA, Consórcio Univas, Brazil
Towards an eco-comparator of road work’s stealth
- Mr. Gérard VALLAT, Egis Routes, France
Dynamic traffic management equipment for road network optimization
- Mr. Christophe DESNOUAILLES, SETRA, France

Questions and answers
Conclusions
- Chair: Mr. Martial CHEVREUIL

TC C.3 “MANAGING OPERATIONAL RISK IN ROAD OPERATIONS”
Time: Sep. 29, Thu. 9:00-12:30
Venue: Palacio de Valparaíso 1
Chair: Dr. Michio OKAHARA, Advanced Construction Technology Center, Japan, Chair TC C.3
Co-chair: Mr. Hiroyuki NAKAJIMA, Hanshin Expressway Eng. Corp., Japan

Introduction
Dr. Michio OKAHARA

Part 1. Introduce Risk Management Techniques in the Road Sector
Overview of the WG #1 final report
- Mr. Johan HANSEN, Swedish Road Administration, Sweden
Proactive risk management in winter maintenance
- Mr. Kaj TATTARI, The Centre for Economic Development, Transport and Environment for Uusimaa, Finland
Hazard based approach to the management of operational safety risk on highways schemes
- Mr. Ryszard GORELL, Mouchel, U-K

Part 2. Risks Associated with Natural Disasters, Climate Change, Man-made Disasters and Security Threats
Overview of the WG #2 final report
- Mrs. Connie YEW, Federal Highway Administration, USA
The Great East Japan Earthquake Disaster
- Dr. Keiichi TAMURA, Public Works Research Institute, Japan

Break 10:30 - 11:00

Managing Risks Associated with Climate Change in Road Sector
- Mr. Gustavo MORENO, Seguros Especializados, Mexico
Natural risk assessment in Chilean road network
- Mr. Tomas ECHAGÜEGUIREN, Dept. of Civil Eng. Univ. of Concepcion, Chile
Landslide Hazard and Risk Assessment, Management and Mitigation for the Scottish Road Network
- Mr. Mike G. WINTER, TRL, UK

Part 3. Social Acceptance of Risks and Their Perception
Overview of the WG #3 final report
- Mr. Roberto ARDITI, SInA s.p.A., Italy
UN Millennium Development Goals and transport policies: how risk assessment and measures for road safety could play a rewarding role for regions with economies in transition
- Ms. Luciana IORIO, Ministry of Infrastructures and Transport, Italy

Conclusions
- Chair: Dr. Michio OKAHARA

TC D.2 “ROAD PAVEMENTS” (PART 1)
Time: Sep. 29, Thu. 9:00-12:30
Venue: Casa del Diezmo 3, 4
Chair: Mr. Michel BOULET, IFSTTAR, France, Chair of TC D.2

Introduction
- Mr. Michel BOULET

Part 1. Outline of Seminars
International Seminar on Maintenance Techniques to Improve Pavement Performance (Cancun, Mexico, 2009)
- Mr. Rodolfo TELLEZ, Mexican Transportation Institute, Mexico
Concrete Pavements Seminar (Seoul, Korea, 2009)
- Mr. Suneel VANIKAR, FHWA, USA
Latest Advancements in Concrete Pavement Design and Construction (Buenos Aires, Argentina, 2011)
- Mr. Diego CASO, Institute of Portland Cement of Argentina, Argentina

Part 3. Improved Maintenance Methods
Introduction of the Working Group 2 Activities
- Mr. Johan LANG, Benoît PETITOLENC, Canada-Quebec
10 years of concrete pavement maintenance innovation to extend service life
- Mr. David HEIN, Applied Research Associates, Canada
Methodology for determining strategies for pavement preservation
- Mr. Francisco Javier MORENO, Alta Tecnología en Ingeniería de Pavimentos y Seguridad, México
Presentation of the German manual for repair of concrete pavements
- Mr. Stefan HÖLLE, Bundesanstalt für Straßenwesen, Germany

Discussion and Conclusions

TC D.3 “ROAD BRIDGES”
Time: Sep. 29, Thu. 9:00-12:30
Venue: Palacio del Iturbide 2, 3
Chair: Dr. Satoshi KASHIMA, Japan Bridge Engineering Center, Japan, Chair TC D.3
Co-chair: Mr. Brian HICKS, Transport Canada, Canada
Mr. Pablo DIAZ SIMAL, CEDEX – Ministry of Public Works, Spain

Introduction
- Dr. Satoshi KASHIMA

Part 1. Inspection and Assessment of the Condition of Road Bridges
Inspector Accreditation, Non-Destructive Testing and Condition Assessment for Bridges
- Mr. Erica SMITH, Asset Manager Bridges, Main Roads, Western Australia, Australia
Large Road Bridges Management, Monitoring and Maintenance
- Mr. Thierry KRETZ, SETRA, Ministry of Ecology, Sustainable Development, Transport and Housing, France
Rio Papalopán Bridge: Design and Successful Application of Non-Destructive Inspection Techniques
- Mr. José-Alfredo LOPEZ, Mexican Institute of Transport, Mexico
Study on Reduction of Vibration Control Devices for Akashi–Kaikyo Bridge
- Mr. Susumu FUKUNAGA, Long-span Bridge Engineering Center, Honshu-Shikoku Bridge Expressway Co., Ltd., Japan

Discussion

Part 2. Innovative Maintenance/Repair Techniques
Large Road Bridges Rehabilitation, Example of Aquitaine Bridge
- Mr. Thierry KRETZ, SETRA, Ministry of Ecology, Sustainable Development, Transport and Housing, France
Inspection of Prestressed Concrete Road Bridges by the Ultrasound 3D Tomography System
- Mr. Guy PARPORT, Ramboll Finland Oy, Infrastructure & Transport, Bridge Engineering, Finland

Discussion

Adaptation to Climate Change
- Mr. Borre STENSVOLD, Bridge Director, Norwegian Public Roads Administration, Norway
Management of the Bridge Stock
- Mr. Borre STENSVOLD, Bridge Director, Norwegian Public Roads Administration, Norway
Maintenance Plans for Highway Bridges
- Mr. Emilio CRADO, State Road Office, Ministry of Public Works, Spain

Discussion
Conclusions
- Chair: Dr. Satoshi KASHIMA
The System Approach of Human Factors in Road Design and Operations

Session 2. (Part 2) Airfield Design / Full-scale Testing / Modeling
(Chair: Navneet GAARG, FAA)
- Quantification of the Effect of Tire Contact Stresses on Runway Pavement Responses
  - Mr. Hao WANG, University of Illinois at Urbana-Champaign, USA
- Top-down and Bottom-up Cracking Mechanism in Failure Stage Two
  - Mr. Edward GIO, FAA’s Consultant, USA

Session 3. Construction of Airfield Pavement, including PCN Calculation
(Chair: David BRILL, FAA)
- PCN Determination - Case Studies and Observations of the FAA PCN Methodology
  - Mr. Michael ROGINSKI, The Boeing Company, USA

Break 10:30 - 11:00

The New Test Technology for Evaluating the Anti-Cracking Performance of Concrete Runway of the Airport under Construction
- Mr. Yan LIU, China Airport Construction Group Corporation of CAAC, China

Session 4. Maintenance, Restoration and Pavement Management System for Airfield Pavements
(Chair: Andreas LOGOSS, University of Athens)
- Maintaining Operational Efficiency When Resurfacing the Runway or Bilateral Airport with a New Overlay in Three Days
  - Mr. Hans Christian KIRSGAARD, Denmark
- Pavement Sustainability and Performance Improvement: Case Studies
  - Mr. Inwardanu WIYATMOKO, URS/Scott Wilson, UK

Seminar Conclusions & Close

Workshop HDM-4. FOR USERS OF VERSION 2 (in Spanish)
Time: Sep. 29, Thu. 09:00-12:30
Venue: Palacio de la Canal 4
Chair: Mr. Ricardo SOLDORIO, IMT/HDMGlobal

Part 1. Introduction
HDM-4 use in preparing reference projects for granting multi-annual road maintenance projects (PCPC)
- Mr. Carlos ROMERO, Director General of Road Maintenance, Ministry of Communications and Transport, Mexico

HDM-4 applications: The Nicaraguan experience
- Mr. Germán CRUZ, Road Maintenance Fund, Nicaragua

Steps to successfully implementing HDM-4 within a road organisation
- Mr. Mauricio SALGADO, Chilcan Cement and Concrete Institute, Chile

Break 10:30 - 11:00

Part 2. Application Cases
A HDM-4 based pavement management system for the National Infrastructure Fund Road Network
- Mrs. Maris PEREZ, Technical Directorate, CAPULFE, Mexico

Mexican Transport Institute developments related to HDM-4 and Road Infrastructure Management
- Mr. Roberto HERNÁNDEZ, Mexican Transport Institute, Mexico

HDM-4 Usage in South Africa
- Mr. Stephen KRISYMAN, the regional HDM-4 champion for Southern Africa. South Africa

Poster sessions
Time: Sep. 29, Thu. 0900 – 12:30
Venue: Poster corner in Exhibition Hall

Presentation by the authors of accepted papers for:
Topic 15: Linear Settlements: the World-Wide Disaster for Road Safety
Topic 16: Methods for Road Safety Impact Assessments
Topic 17: Road Safety System Approach
Topic 18: The System Approach of Human Factors in Road Design and Operations

Terminology
Time: Sep. 29, Thu. 19:00 – 21:00
Venue: Pavilion of the World Road Association (Exhibition hall)

Presentation of the work and outputs of the Committee on Terminology and demonstration of the use of the multilingual technical dictionaries, lexicons and translation tools available on the Association’s website.

Thursday 29 10:30-11:00 hrs.

TC B.3 “IMPROVED MOBILITY IN URBAN AREAS”
Time: Sep. 29, Thu. 15:00-18:30
Venue: Casa del Diezmo 1
Chair: Mr. Hubert PEIGNÉ, Ministry Ecology, Sustainable Development, Transport and Housing, France, Chair TC B.3

Introduction
- Mr. Hubert PEIGNÉ

Part 1.
Compared strategies on walking and cycling in 41 cities in the world - surveys, results and prospective
Report of Technical Committee TCB.3 working group 3
- Mr. Emese MAKÓ, Professor, Szeged University Győr, Hungary
- Mr. Marc ELLENBERG, Associate Director, CERTU, France

Promoting sustainable cities through sustainable transport options - Cycling in Accra, Ghana
- Mr. Magnus QAARSHIE, Centre for Cycling Expertise, Accra, Ghana

Pedestrian Priority Zones – initial evaluation of results in three cities
- Mr. Giles BLANCHARD, CITE de l’Ouest, Ministry Ecology, Sustainable Development, Transport and Housing, France

Break 16:30-17:00

Part 2.
Strategies for balancing the share of modes to improve mobility and reduce road congestion
Report of Technical Committee TCB.3 working group 1
- Mr. Lajos KISGYÖRGY, Budapest University of Technology and Economy, Hungary
- Ms. Anita CURWIN, VicRoads, Australia

Looking Back and Moving Forward – How to create a legacy of sustainable transportation in an evolving field
- Mr. Trent LETHCO, Associate Principal, ARUP, New York, USA

Introducing V’el Audit – an innovation for cycling infrastructure
- Mr. Giles BLANCHARD, CITE de l’Ouest, Ministry Ecology, Sustainable Development, Transport and Housing, France

Conclusions
- Chair: Mr. Hubert PEIGNÉ

TC C.4 “ROAD TUNNELS SAFETY”
Time: Sep. 29, Thu. 15:00-18:30
Venue: Palacio de Valparaíso 1
Chair: Mr. Pierre SCHMITZ, Brussels Mobility, Ministry of the Region Brussels Capital, Belgium, Chair TC C.4
Co-chair: Mr. Rafael LOPEZ GUARDA, Ministry of Development, Spain

Part 1. Current activities of the C4 committee
Introduction
- Mr. Pierre SCHMITZ, TC C4 Chair

Part 2. Overview of activities in the 2008-2011 cycle
- Mr. Robin HALL, C4 English-speaking secretariat, Mott MacDonald, UK

Part 3. Presentation and discussion of significant topics studied by C4 Working Group 1 : Road tunnel operations
Recommendations for strategic tunnel safety management
Good practice for road tunnel emergency exercises
Management of maintenance and technical inspections of road tunnels
Life cycle aspects of electrical road tunnel equipment
- Mr. Jean-Claude MARTIN, WG1 leader, CeTU, France

Part 4. Presentation and discussion of significant topics studied by C4 Working Group 2 : Manage and improve road tunnel safety
Current practice for risk evaluation of road tunnels
Improving safety in existing tunnels
- Mr. Bernhard KOHL, WG2 leader, IF, Austria

Part 5. Presentation and discussion of significant topics studied by C4 Working Group 3 : Influence users’ behaviour in tunnels
Driver’s education
- Mr. Marc TESSON, WG3 leader, CETU, France
Part 6. Presentation and discussion of significant topics studied by C4 Working Group 4: Air Quality, Fire and Ventilation

Vehicle emissions and air demand for ventilation

Design fire characteristics for road tunnels

• Mr. Ignacio Del Rey, WG4 leader, ET3I - UPM, Spain

Part 7. Presentation and discussion of significant topics studied by C4 Working Group 5: Knowledge management

Road Tunnel Manual

Road Tunnel Dictionary

• Mr. Pierre Schmitz, WGS leader, Brussels Mobility, Belgium

Part 8. Papers submitted on sustainable approaches for road tunnels

• Alexandre DEBS, C4 French speaking secretary, Ministry of Transport, Canada-Quebec

Part 9. Future directions and possible new topics

Where are we? What do we need now?

• Mr. Robin HALL, C4 English-speaking secretary, Mott MacDonald, UK

Part 10. Discussion on future directions and new topics for the new TC on Road Tunnel Operations

• Mr. Ignacio Del Rey, WG4 leader, ET3I - UPM, Spain

Conclusions

• Chair: Mr. Pierre Schmitz

SP 10. “PRACTICAL EXPERIENCES IN PUBLIC-PRIVATE PARTNERSHIPS (PPPs) IN DEVELOPED AND DEVELOPING COUNTRIES”

Time: Sep. 29, Thu. 15:00 – 18:30

Venue: Palacio de Valparaíso 2

Chair: Ms. Inmaculada Rodríguez-Piñero, Secretary General for Infrastructures, Spain

Part 1. Impact of the GFC on road PPPs

Overview of the evolution of financing conditions since 2008

• Mr. Jose Luis IRIGOYEN, Sector Director for the Transport, Water and ICT Department, World Bank

Part 2. Measures Taken by Governments to Facilitate Road PPPs in Response to the GFC

Measures taken by Mexico in response to the global financial crisis to facilitate Public Private Partnership

• Mr. Armando Althe RUBI, Deputy Director of Project Formulation, STC, Mexico

Measures taken by Korean government to facilitate road PPPs in response to the GFC

• Mr. Kheechoo CHOI, professor of AJOU University, Korea

PPPs experiences in Spain in the current economy context

• Mr. José María Pertibera de la UZ, Director General of Highways, Ministry of Development, Spain

Break 16:30 – 17:00

Part 3. Conditions Necessary for Successful Road PPPs in Today’s Market

Presentation as an introduction to the Panel Discussion

• Mr. Henri CHAUX, Chairman of TC A.2

Part 4. Panel Discussion of Lenders/Investors/Public Authorities looking to the Future

(Moderator: Mr. Oscar de BUEN RICHARDAY, Consultant, Former Undersecretary of Infrastructure, Mexico)

Representatives from Road Agency or Road Administration

Representative from Bank

Representative from Investors

Representative from Concessionaire Company

Conclusions

• Chair: Mrs. Inmaculada Rodríguez-Piñero

Break 16:30 – 17:00

Part 5. Monitoring of Innovation

Introduction of the Working Group 4 Activities

• Mr. David HEIN, APA, Canada

Road Foundation Construction Using Tyre Bales – A Lightweight, Low-Energy Alternative

• Mr. Mike WINTER, Transport Research Laboratory, U.K

Photocatalytic applications in Belgium, purifying the air through the pavement

• Ms. Anne BEELDEN, Belgian Road Research Centre, Belgium

Seismic retrofit of asphalt pavements macrotexture for skid resistance evaluation

• Mr. Yinghao MEIQ, Beijing University of Technology, China

The porous-elastic road surface (PERS): a powerful weapon against traffic noise

• Mr. Luc GOUBERT, Belgian Road Research Centre, Belgium

Discussion and Conclusions

• Chair: Mr. Michel BOULET

Break 16:30-17:00

Part 6. Adaptation to Climate Change

Introduction of the Working Group 5 Activities

• Mr. Benoit VERHAEGHE, South Africa

Adapting Road Infrastructure to Climate Change: Innovative Approaches and Tools

• Mr. Yves ENNESSER, Egis, France

Impact of climate change on the development of rutting

• Mr. Alexander ZEBSLE, Institute of Urban Engineering and Road Construction, Germany

Pavement preservation processes in Latin America, energy use and GHG emissions

• Ms. Patricia IRIGANG, USA

Discussion and Conclusions

• Chair: Mr. Michel BOULET

Presentations by National Committees

Time: Sep. 29, Thu. 15:00 - 18:00

Venue: Palacio de Valparaíso 3

Chair: Mr. Friederich ZOTTER, Representative of the National Committees on the World Road Association Executive Committee

Presentation of the role and activities of the National Committees, how to establish a National Committee, questions and answers.

This session is organized in three parts:

15:00 – 16:00 in Spanish

16:00 – 17:00 in English

17:00 – 18:00 in French

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Program of the Congress / exhibition

Break 10:30 - 11:00

Allocation of Resources across Asset Classes  
Networks, France  
High level management indicators  
Topic 9: Capturing and Understanding Customer Needs  
Topic 11: Management of Roads

Part 1. Infrastructure, Australia  
Co-chair: Mr. Mick LOLENZ, Department of Transport, Energy and  
Chair: Ms. Anita KÜNKEL-HENKER, Section of Pavement Design and Road

Part 2. Road asset management in practice  
Learnings from Africa  
• Ms. Sophie TEKIE, Roads Authority, Namibia and Mr. Philippe LEPERT, Institute of  
Science and Technology of Transport, Development and Networks, France  
Asset Management of Japanese Expressways after the Earthquake  
• Mr. Shigeru SHIMENO, Nippon Expressway Research Institute, Japan  
Current Practice of Road Management in Mexico  
• Mr. José Ricardo SOLORO MURILLO, Mexican Transportation Institute, Mexico  
Improved Efficiency in Road Management through Level of Service based Contracts  
• Mr. Pietro GIANNATASIO, University of Rome “Tor Vergata”, Italy  
Moving forwards with Performance based Asset Management  
• Mr. Stephen J. GAL, Federal Highway Administration, USA

Discussion and Conclusions  
• Chair: Ms. Anita KÜNKEL-HENKER

Friday 30 9:00-12:30 hrs.

TC B.4  “FREIGHT TRANSPORT AND INTERMODALITY”  
Time: Sep. 30, Thu. 9:00-12:30  
Venue: Casa del Diezmo 1, 2  
Chair: Mr. Hans SILBORN, Norwegian public roads administration, Norway,  
Chair TC B.4

Introduction  
• Mr. Hans SILBORN

Part 1. Management of freight corridors, intermodal freight terminals and  
urban freight transport, presentation of technical reports from TCB.4  
Management of strategic freight corridors  
• Mr. Don HOGGEN, VicRoads, Australia  
Intermodal freight terminals – challenges and good practice  
• Mr. Martin RUESCH, Rapp Trans AG, Switzerland  
Public sector governance over urban freight transport  
• Prof. Eiichi TANIGUCHI, Kyoto University, Japan  
Part 2. Presentation of individual papers  
Relationships between commodity flow and land use  
• Mr. Mitsuru SATO, Brigham Young University, USA  
Freight movement between Maquiladora industry and ports of entry  
• Mr. Jose VIDANA, Universidad Autonoma de Ciudad Juarez, Mexico and Texas  
Transportation Institute, USA

Break 10:30 - 11:00

Part 3. Existing and future challenges in intermodal freight transport  
• Mr. Jorge MEDINA, Director for Intermodal Sales, Kansas City Southern de México,  
México  
Part 4. Round table discussion: Challenges and measures in freight  
transport for a sound development  
• Mr. Jorge MEDINA, México  
• Mr. Don HOGGEN, Australia  
• Mr. Martin RUESCH, Switzerland  
• Prof. Eiichi TANIGUCHI, Japan  
Moderator: Mr. Benoit CAYOUETTE, Ministry of Transport, Canada-Quebec

Conclusions  
• Chair: Mr. Hans SILBORN

TC B.4  “FREIGHT TRANSPORT AND INTERMODALITY”  
Time: Sep. 30, Thu. 9:00-12:30  
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Chair TC B.4

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• Mr. Martin RUESCH, Switzerland  
• Prof. Eiichi TANIGUCHI, Japan  
Moderator: Mr. Benoit CAYOUETTE, Ministry of Transport, Canada-Quebec

Conclusions  
• Chair: Mr. Hans SILBORN

TC D.4  “GEOTECHNICS AND UNPAVED ROADS”  
Time: Sep. 30, Fri. 9:00-12:30  
Venue: Palacio de la Reforma 2, 3  
Chair: Mr. Martin SAMSON, SRC-Lavalin Inc., Canada, Chair TC D.4

Introduction  
• Mr. Martin SAMSON

Part 1. Innovation in the treatment and use of local materials  
General presentation 1  
• Mr. Martin SAMSON  
Presentation of the technical report « Innovative approaches for the use of local marginal  
natural materials »  
• Mr. Bernard DEYTH, CERF, Belgium and Guy RAOUL, SPTF, France  
Assessment of clay materials stabilized with lime, cement and other products  
• Mr. Natalia PÉREZ, IMF, Mexico  
Use in earthworks of fine soils believed to be unsuitable for treatment – Studies of  
weathered schists in the region Bretagne - Pays de Loire  
• Mr. Jean Claude AURIOL, IFSTTAR, France  
Improvement of local materials on the motorway serving the port of Tangiers  
• Mr. Mohamad CHOUH, Société Nationale des Autoroutes, Morocco

Break 10:30 - 11:00

Part 2. Innovation in the construction and maintenance of unpaved roads in  
developing countries  
General presentation 2  
• Mr. Martin SAMSON  
Presentation of a summary of the seminar in Cotonou-concerning unpaved roads  
• Mr. Tele David OLUDO, Secretary General, Ministry of Public Works and Transport, Benin  
Vulnerability reduction and damage repairs using best practices on low volume roads  
• Mr. Gordon KELLER, USDA Forest Service, USA  
Soil stabilization – An innovative measure for unpaved roads  
• Mr. Mohamad SHIKOR, Public Works Department, Malaysia

Part 3. Adaptation to climate change  
General Presentation 3  
• Mr. Martin SAMSON

Presentation of the technical report “Adaptation to climate change”  
• Mr. Auréle PARRAUX, GECOLP, EPI, Switzerland

Conclusions  
• Chair: Mr. Martin SAMSON

SP 11:  “ROAD USER CHARGING SCHEMES - LESSONS LEARNED AND FUTURE PROSPECTS”  
Time: Sep. 30, Fri. 09:00 - 12:30  
Venue: Palacio de Valparaíso 2  
Co-Chairs: Mr. Skirmantas SKRINSKAS, Director of Lithuanian Road  
Administration, member of Conference of European Directors of Roads  
(CEDR) and Mr. Joseph HAULE, member of the World Road Association  
Executive Committee

Part 1. Lessons Learnt and case studies  
Implementing congestion charges: Efficiency and acceptability  
• Mr. Stephen PERKINS, Head of OECD/ITF Joint Transport Research Center  
Road pricing for managing traffic in Singapore  
• Mr. Chandrasekar PALANISAMY, Land Transport Authority, Singapore  
Road user charging in Norway - Unique in the World? A presentation of the past, present  
and future of RUC in Norway  
• Mr. Arve KIRKEVOLD, Norwegian Public Roads Administration, Norway

Discussion  
• Chair: Mr. Martin SAMSON

Break 10:30 - 11:00

Program of the Congress / Exhibition

Poster sessions  
Time: Sep. 29, Thu. 15:00 – 18:30  
Venue: Poster corner in Exhibition Hall

Presentation by the authors of accepted papers for:  
Topic 1: Environmental Evaluation of Road Projects  
Topic 7: Sustainable Maintenance of Rural Roads  
Topic 8: Project Governance and Institutional Integrity  
Topic 9: Capturing and Understanding Customer Needs  
Topic 10: Human Resources for the Future  
Topic 11: Management of Roads

XXIVth World Road Congress  
Mexico City, from 26th to 30th September 2011  
Roads for a better life.

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Part 2. Case studies
Present and future schemes for Switzerland
  • Mr. Rudolf DIETERLE, Director General, Federal Roads Office, Switzerland
  • Mr. Ulrich JOOP, Federal Ministry of Transport, Building and Urban Development, Germany
Heavy goods vehicle tolls in Germany
  • Mr. Guillaume LAPIERRE, Transport Infrastructures Directorate, Ministry of Ecology, Sustainable Development, Transport and Housing, France

Discussion

Conclusions

• Chairs

SP 12. “INTELLIGENT TRANSPORT SYSTEMS(ITS) FOR SAFER AND MORE EFFICIENT TRAFFIC MANAGEMENT ”

Time: Sep. 30, Fri. 09:00 – 12:30
Venue: Palacio de Valparaiso 1
Co-Chairs: Mr. Gabriel SANCHEZ, Executive Vice-President IRF Washington and Ms. Anne-Marie LECLERC, President of the World Road Association

Part 1. Promising Developments in Vehicle and Communications Technology Presentation from the Joint PIARC/FITSA Task Force on Cooperative Systems
  • Mr. Robert CONE, Consultant, Wales, UK
  • Ms. Shelley ROW, ITS Joint Program Office Director, USA
  • Mr. Paul KUMPNER, ENRICO
  • Mr. Fumihiko KANAZAWA, Head of ITS division, National Institute for Land and Infrastructure Management MLIT, Japan
  • Mr. Jai-Young RYU, Executive Director, KHRIS, Korea

Cooperative ITS: Information services of the future for travellers and infrastructure operators
  • Mr. Paul KUMPNER, ENRICO
  • Dynamic navigation: Car manufacturers and traffic management operators working hand in hand
  • Mr. Martin HAUSCHILD, Leader, Traffic Engineering & Traffic Management, BMW Group

Break 10:30 - 11:00

Part 2. Deployment of ITS for Traffic Management Deployment of Next-Generation ITS - Trend of ITS deployment in Japan
  • Mr. Fumihiko KANAZAWA, Head of ITS division, National Institute for Land and Infrastructure Management MLIT, Japan
  • Mr. Jai-Young RYU, Executive Director, KHRIS, Korea
Perspectives of ITS in the daily life of Korean Expressways – Intelligent and Intermodal
  • Mr. Jai-Young RYU, Executive Director, KHRIS, Korea
Contribution of ITS to safer and more efficient traffic management in Chile
  • Mr. José Miguel ORTEGA, Vice-president of ITS Chile, Chile

Conclusions

• Chairs

Poster sessions
Time: Sep. 30, Fri. 09:00 – 12:30
Venue: Poster corner in Exhibition Hall

Presentation by the authors of accepted papers for:
  • Topic 21: Adaptation of Road Pavements to Climate Change
  • Topic 22: Innovation in Road Pavements

Lunch Time 13:30-15:00 hrs.

Closing Ceremony

Friday 30 Afternoon 14:00-15:30
Palacio de Valparaiso 3

The closing session will include a summary of the congress highlights and a presentation on the future 2012-2015 Strategic Plan which will guide the activities of the World Road Association in the coming years. The host country of the next World Road Congress, Korea, will invite delegates to experience the wonders and innovation of their country during an official handover of the Congress by the Association.

• The Closing Ceremony will consist of the following:
  • Congress highlights
  • Introduction of the next Strategic Plan 2012-2015 for the World Road Association
  • Invitation to coming congresses
    - The 17th IRF World meeting
    - The 14th International Winter Road Congress in Andorra (2014)
    - The 25th World Road Congress in Korea (2015)
  • Handover to the 25th World Road Congress
  • Address by the President of the World Road Association and the President of the Mexican Organizing Committee

Closing remarks
TECHNICAL VISITS

- A reception point for the technical visits will be located on the foyer of Casa del Diezmo and Casa Montejo, see map on page 27.
- All visits depart from and return to Centro Banamex.
- Some visits will have English translation others French please be aware of which one is on your needs.
- A detailed information sheet for each of the visits will be distributed on the bus on the day of the visit.
- For each visit you must present your badge on entering the bus with the coupon which you were given at the time of registration.

V1 Northern Arc
Meeting 9:00 am. Return 17:00 pm.
Visit organizer: SCT

V2 Mexican Institute of Transport
Meeting 9:00 am. Return 18:30 pm.
A light lunch will be offered
Visit organizer: IMT

V3 National Control Center CAPUFE
Meeting 9:00 am. Return 17:00 pm
A light lunch will be offered
Visit organizer: CAPUFE

V4 Suburban Train
Meeting 9:00 am. Return 13:30
Visit organizer: SCT

V5 UNAM’s Engineering Institute Laboratories
Meeting 9:00 am. Return 16:00
Visit Organizer: UNAM
Welcome Cocktail.

Monday September 26th at 18:00 hrs. Room: Exhibition Hall “A” and “B”.

A taste of the country’s beverages will be offered as a welcome greeting. Having a drink is always nice with one condition; not to be alone. The company is essential. The name cocktail implies mixture and combination. It means not only welcoming our guests but to celebrate with joy their willingness to visit us.

The Mexican Organizing Committee has prepared a casual party for all the Congress participants. You are invited to savor Mexican snack service stations that will be placed in the exhibition corridors jointly with folkloric musical groups from different parts of the country so we all colleagues spent a splendidous night in great harmony and friendship.

Congress Dinner.

Thursday September 29th at 17:30 hrs. Room: Exhibition Hall “C”.

In a magnificent environment we will be travelling through music and dance of the Mexican province. Historically, it has been a space for mergers and expressions that despite the intense force of other nations cultures had succeeded in preserving the greatness of its roots. “JAROCHO” a show produced by the University of Veracruz in the central east of the country will be greeting all Congress participants.

During 16 different performances full of history, tradition, color, dance and music interpreted in a contemporary aesthetic the sparkle and excitement that has been shown in different countries will be contagious to the audience with the grace and joy of the artists.

This wonderful experience will be accompanied by the opportunity to get acquainted with the exuberant flavors of the Mexican cuisine in a friendship and cheerful setting.

At 11:30 pm after dinner the buses will be ready to return all Congress delegates and participants to their hotels on a night tour through the streets of the City.
XXIVth World Road Congress
Mexico City, from 26th to 30th September 2011
Roads for a better life.

Centro Banamex

Access 1
Access 2
Access 3
Access 4
Access 5
Access 6
Access 7

Restaurant
Bank Banamex
Access

Exhibition Floor Plan

Nivel palacios E-1

Casa Montejo
A reception point for the technical visits will be located on the foyer of Casa del Diezmo and Casa Montejo.

Casa del Diezmo
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<td>Agua Blanca</td>
<td>Geomembranas y Geosintéticos</td>
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<td>AIPCR Comitato Nazionale Italiano</td>
<td>Global Marketing Corporation</td>
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<td>ALCCH Construcción</td>
<td>Gluyas Construcciones</td>
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