



# **PIARC International Seminar**

## **Risk Management for Highway Infrastructure**

October 9<sup>th</sup> to 11<sup>th</sup>, 2013

Mérida, Yucatán – México

**Second Announcement**



The International Seminar “**Risk Management for Highway Infrastructure**”, is organized by the World Road Association-PIARC and the Mexican Association of Road Engineering (Asociación Mexicana de Ingeniería en Vías Terrestres-AMIVTAC), in coordination with DIRCAIBEA (Directores de Carreteras de Iberia e Iberoamérica) and the government of Yucatán.

This Seminar is part of the PIARC Program of International Seminars.

Highways are key for the economy of a country. Highway infrastructure is continuously exposed to natural phenomena mostly because of climate change, as well as man made disasters.

In order to contribute to face this important challenge, the PIARC Technical Committee TC 1.5 “Risk Management” and the Mexican Association of Road Engineering AMIVTAC, have decided to organize the international seminar “Risk Management for Highway Infrastructure”, to share the risk management technics used around the world to solve this problems.

The main goal of this seminar is to provide a platform for experts to share their experience and discuss topics and challenges related to highway infrastructure risk management.

The Seminar is open to international road community members interested in obtaining and sharing knowledge about the best world wide practices in Risk Management for Highway Infrastructure.

## **Methodology**

The seminar will consist of plenary sessions with presentations by leading experts, panel discussion, conclusions and resolutions.

Plenary sessions will include presentations from experts of PIARC Technical Committee TC 1.5 as well as local, regional and international leading experts.

## **Language**

Official language will be English, with simultaneous translation to French and Spanish.

# Program

Tuesday October 8<sup>th</sup>, 2013

19:00–20:00 Registration

Wednesday October 9<sup>th</sup>, 2013

8:00-9:00 Registration

9:00-9:30 Opening Ceremony

9:30-11:20 Session 1. Risk Management role in policy development and decision making.

- **The impact of natural and manmade disasters on highway infrastructure and the effect that it has on the public.** Michael Lowder, Director of the Office of Intelligence, Security & Emergency Response for the U.S. DOT.
- **Highway Agencies Addressing Risk of Climate Change, Economic Development, Storms and Terrorism.** James H. Lambert, Associate Dir. Center for Risk Management of Engineering Systems, University of Virginia, USA.
- **Benefits and challenges of strategic risk management policy and processes in the context of a major transportation project.** Richard Frenette, Vicepresident COSIME Inc., Canada.

11:20-11:35 Coffee Break

11:35-13:20 Session 1. Risk Management role in policy development and decision making (Continued).

- **Risk management versus natural disasters.** Manuel Garrote, Risk Manager OHL Group. Spain.
- **Vulnerability Assessment Techniques for Roads Exposed to Natural Hazards in Costa Rica.** William VARGAS, Civil Engineering School, Costa Rica University. Costa Rica.
- **Hidrometeorology risk in highways.** Victor Magaña Rueda, Atmosphere Science Center Investigator, UNAM. Mexico

13:20-14:00 Session 2. Methodologies and tools for risk assessment and management applied to road operations.

- **Development for a Web Based Tool Box.** Shinjuro Komata, Nippon Koei Co., Ltd. Japan.

14:00-15:30 Lunch

15:30-16:30 Session 2. Methodologies and tools for risk assessment and management applied to road operations (Continued).

- **Methodologies and tools for risk assessment and management applied to road operation.** Brett Gliddon, Transport Agency's Bay of Plenty State Highways Manager, New Zealand.
- José María Tapia Franco, General Director for Risk Management. Mexican Government. Mexico.

16:30-16:45 Coffee Break

16:45-17:15 Session 2. Methodologies and tools for risk assessment and management applied to road operations (Continued).

- **Managing Risks Associated with Climate Change - Mexico Case.** Gustavo Moreno, Founder and CEO SESPEC Insurance Brokers. Mexico.

19:30 Welcome Cocktail Mayan Museum

Thursday October 10<sup>th</sup>, 2013

10:00-12:20 Session 3. Management of emergency situations.

- Chile road Agency presentation.
- **Coordination and cooperation in emergency situation in Japan.** Yukio ADACHI, Hanshin Expressway Co., Ltd. Japan.
- **Risk management tools in the transport sector.** Jan Gruber. Czech Republic.
- **Risk and emergency management as a basis for Road Intelligent Transportation Systems (I.T.S.), planning and operation.** Pedro TOMAS MARTINEZ Maintenance Section Chief – Road, canal and harbor engineer, Movility Management Subsecretary, Spain.

12:20-12:40 Coffee Break

12:40-14:15 Session 4. Risk and emergency management for combined and large hazards.

- **Colapsed Tonalá Bridge – Case study.** Luis Rojas Nieto, Freyssinet Mexico, General Manager. Mexico.
- **Prioritizing road reconstruction after a natural disaster.** Roberto Aguerrebere, Operation Coordinator, Mexican Transport Institute. Mexico.
- **Emergency situation management of high floods and calamity financing aspects on Dornesti Bridge, Suceava Romania – Case Study.** Constantin Zbarnea, Regional Division of Roads and Bridges Iasi, Rumania.

14:15-16:00 Lunch

16:00-17:00 Session 4. Risk and emergency management for combined and large hazards (Continued).

- **Lessons of emergency response in combined difficulties learned from 2011 East Japan Earthquake.** Nobuhiro Arima, Hanshin Expressway Co., Ltd. Japan.
- **Highway Infrastructure Vulnerability, Protection Against Earthquakes.** Carlos Valdéz, Seismology Department Investigator UNAM. Mexico.

17:00-17:45 Closing remarks and ceremony.

20:00 Closure dinner.

Friday October 11<sup>th</sup>, 2013

9:00-17:30 Visit to Chichen Itzá.

## **Registration**

### a. Fees

Participants from upper middle income and high income countries: € 300

Participants from lower-middle income and low income countries: € 100

PIARC members: € 225

Participants from Mexico: € 250

Registration fee includes participation kit, seminar literature and proceedings, local transport (airport – hotel – airport), lunch and tea/coffee during technical sessions and field visit.

b. The registration form will be issued separately.

## **PIARC Special Fund**

The PIARC Special Fund can cover up to 100% of travel expenses or up to 100% of the accommodation costs of participants from developing countries (lower middle income and low income countries). It can cover the cost of one participant per PIARC member subject to the agreement of the First Delegate. Requests for Special Fund assistance should be made by the First Delegate to the PIARC General Secretariat e-mail: [info@piarc.org](mailto:info@piarc.org).

## Accommodation

There are several hotels located near the venue, and assistants may choose where they want to stay depending on their preferences. Organizing Committee recommends the next hotels:

### ***Hotel Presidente Intercontinental \*\*\*\*\****

ROOM TYPE	ROOM RATE PER NIGHT
Simple luxury (1 person)	US \$120
Double luxury (2 people)	US \$120

Avenida Colón #550 entre 60 y 60 Centro  
Mérida, Yucatán  
Phone number: +52 999 9429000

Web:

<http://www.ihg.com/intercontinental/hotels/us/es/merida/midha/hoteldetail?fhqs=view/photosView/locations/CAN+MEX+USA>

### ***Hotel El Marqués \*\*\****

ROOM TYPE	ROOM RATE PER NIGHT
Simple luxury (1 person)	US \$65
Double luxury (2 people)	US \$65

Calle 54 No. 373 entre 33-A y 35  
Centro, Mérida Yucatán  
Phone number: +52 999 927-7252  
Web: <http://hotelmarques.com.mx>

### ***Hotel Hyatt Regency \*\*\*\*\****

ROOM TYPE	ROOM RATE PER NIGHT
Simple luxury (1 person)	US \$100
Double luxury (2 people)	US \$100

Avenida Colón esquina con 60  
Centro, Mérida Yucatán  
Phone number: +52 999 942 1234  
Web: <http://merida.regency.hyatt.com>

## Transportation

Transport from the airport to the venue and from the venue to the airport, as well as transport for technical visit will be responsibility of the Organizing Committee.

## Accompanying Persons Program

Guided tours through Mérida and its surroundings.

## Seminar Venue

The Seminar will take place in Hotel Presidente Intercontinental Villa Mercedes in the city of Mérida, Yucatán – México.

### **Hotel Presidente Intercontinental Villa Mercedes Mérida**

Avenida Colón #550 entre 60 y 60 Centro

Mérida, Yucatán

Phone number: +52 999 9429000

[http://www.ihg.com/intercontinental/hotels/gb/en/merida/midha/hoteldetail?cm\\_mmc=GoogleMaps-\\_-ic-\\_-MXEN-\\_-midha](http://www.ihg.com/intercontinental/hotels/gb/en/merida/midha/hoteldetail?cm_mmc=GoogleMaps-_-ic-_-MXEN-_-midha)

Mérida is the capital city of the state of Yucatán. It is located in the northwest part of the state, 18 miles from the western Yucatán gulf coast and the beach resort Progreso and 200 miles west of Cancún.

During your stay you may use the national currency or us dollars. Credit cards are as well accepted in almost every commerce.

During the seminar dates, the weather forecast is Sunny with slight chance of rain and a temperature between 22 and 31 °C and a relative humidity between 69 and 80%.

## **VISA**

All visa arrangement and information may be consulted in the following URL. For instance if you have an American VISA or belong to the listed countries, you don't need a Mexican VISA.

[http://www.inm.gob.mx/index.php/page/Paises\\_Visa/en.html](http://www.inm.gob.mx/index.php/page/Paises_Visa/en.html)

## **Seminar Contact persons**

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