

中交第一公路勘察设计研究院有限公司

CCCC FIRST HIGHWAY CONSULTANTS CO., LTD

PIARC International Seminar on Disaster Prevention and Mitigation
Technologies and Inputs from ITS in Network Operations
Xi'an, 12-13/11/2014, Second Announcement

【Sponsors】

The World Road Association (PIARC)
CCCC First Highway consultants co.,LTD (FHCC)

【Organizers】

The World Road Association (PIARC) TC1.5
The World Road Association (PIARC) TC2.1
Key Laboratory of Cold and Arid Regions Highway Engineering
Key Laboratory of Shaanxi Provincial Highway Traffic Disaster Prevention and Mitigation
Shaanxi Provincial Highway Institute

【Co- Organizers】

National Engineering Laboratory for Surface Transportation Weather Impacts Prevention (NELSTWIP)
National Center of ITS Engineering & Technology
Key Laboratory of Highway Construction in Permafrost Regions and Maintenance Technology
Key Laboratory of Mountain Hazards and Earth Surface Processes
Branch Company of Qinling Zhongnanshan Tunnel
China Transportation Construction Engineering Bridge Design Branch

【Seminar Venue】

Shaanxi Hotel in the city of Xi' an, China

【Introduction】

The PIARC international seminar on ‘Disaster Prevention and Mitigation Technologies and Inputs from ITS in Network Operations’ will be hosted by The World Road Association-PIARC and CCCC First Highway consultants co.,LTD. The seminar will be held in Xi' an during 12 and 13/11/2014. There will be two themes, which are disaster prevention and mitigation technologies and inputs from ITS in network operations, discussed during the seminar.

This seminar is part of the PIARC Program of International Seminars. It will make the results of PIARC' s work more widely known in Asia and meet the increasing demand of highway disaster prevention and mitigation risk management and ITS application in network operations in China. It will bring together representatives of governments and related organizations as well as industry experts and researchers from many countries to share knowledge and expertise, to exchange ideas and experiences, to transfer information and technology and to study a wide range of issues particularly related to disaster prevention and mitigation technologies and inputs from ITS in network operations.

The seminar will be organized jointly with the PIARC Technical Committee TC1.5 ‘Risk Management’ , TC2.1 ‘Road Network Operations’ and the CCCC First Highway consultants co.,LTD. Key Laboratory of Highway Construction in Permafrost Regions and Maintenance Technology, Key Laboratory of Mountain Hazards and Earth Surface Processes and Shaanxi Provincial Highway Institute will also be involved.

【Participants】

1. PIARC TC1.5 and TC2.1 members
2. Speakers on thematic speech
3. Representatives of CCCC First Highway consultants co.,LTD
4. Other Professional and technical staff

It is expected that there will be 140 participants: 40 international delegates and 100 Chinese delegates

【Program】

The seminar tentatively sets 3 major themes, 11 specific topics and 20 general presentations in total. Each presentation is assigned with 20/30 minutes (general/keynote). Each theme is assigned with 20 minutes discussion time.

Theme 1 : Risk management for roads and traffic operations under natural and man-made hazards

1. Formation mechanism and impact of typical meteorological disasters (fog, icing, blizzard, sandstorm) on roads and traffic operations;
2. Theory and methodology of risk management for roads and traffic operations;
3. Monitoring and pre-warning on large scale hazards for roads and traffic operations;
4. Practices and case studies of risk management for roads and traffic operations

Theme 2: Emergency management for roads and traffic operations under natural and man-made hazards

1. Theory and methodology of emergency management for roads and traffic operations;
2. Practices and case studies of emergency management for roads and traffic operations;
3. ITS application in roads and traffic operations for emergency management;

Theme 3 : Inputs from ITS in Network Operations

1. Highway network operation monitoring technology;
2. ITS frame structure;
3. Development and applications of dynamic transportation information sensing system;
4. Application of information technology in full life cycle project management and asset management operations

【Languages】

Official language of the seminar will be English, Simultaneous interpretation will be provided between English and Chinese.

【Technical Visit】

Technical visit to Qinling Zhongnanshan tunnel operator monitoring system on

14/11/2014

【Registration fee】

PIARC TC1.5 and TC2.1 members are exempted from registration fee;

Rest PIARC Member: € 240;

International participants: € 300/150 (Developed Country/ Developing Country) ;

Chinese participants: ¥1500;

A light working meal is provided at the seminar venue

Accommodation is not included.

We welcome all related fields of professional and technical staff and technical management representatives' participation! Please fill out the registration form and submit to the seminar contacts before October 31, 2014.

【Hotel fee】

Pay upon your arrival at the Hotel front desk by visa card or cash.

Room Rate(Euro/Day)	Single Bed Room	Two Bed Room
Building 18	82	75
Building 12	56	50

【Seminar Contact persons】

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Appendix:

Transportation Guild

Xianyang international airport→Shaanxi hotel

Option A: Picking up shuttle

We will arrange pick-up service at the airport according to the collected flight information.

Option B: Shuttle

Xianyang international airport to Shaanxi hotel: Ride **airport shuttle bus clock tower line** (aboard at *Terminal 2*, after 2 station, depart at *Xigang business hotel Station*), transfer to the **Route 502**(aboard at *Caoyangcun Station*, after 11 stations, depart at *Zhangba hotel Station(which is Shaanxi Hotel)*), walk to the west by 573 meters.



Option C: TAXI

Average cost around 91 RMB to arrive at Shaanxi Hotel by taxi.

Seminar Program

Schedule

PIARC Xi' an Seminar, 2014/11/12-13				
First day of Seminar : 2014/11/12				
Start	End	Duration	Event	Speaker
Morning Stage 1				
			Welcome Speech and Keynote	
8:30	8:42	0:12	Welcome Speech	Chinese Official
8:42	9:54	0:12	Welcome Speech	Keiichi Tamura
9:54	9:06	0:12	Welcome Speech	Jacques Ehrlich
9:06	9:18	0:12	Welcome Speech	Chinese Technical Official
9:18	9:30	0:12	Welcome Speech	FHCC Leader
9:30	10:00	0:30	Tea Break	
10:00	10:30	0:30	Keynote: Risk Analysis and Mitigation Measures against Mountain Road Disasters	Cui Peng
10:30	11:00	0:30	Keynote: Highway Health and Safety Monitoring System at Cold and High Altitude Areas	Wang ShuangJie
11:00	11:30	0:30	Keynote : STORMS BY CLIMATE CHANGE	Gustavo MORENO
11:30	12:00	0:30	Keynote: Construction and Application of Monitoring and Emergency Response System in China National Highway Network	Li aimin
12:00	14:00	2:00	Lunch	
Afternoon Stage 2: Risk management for roads and traffic operations under natural and man-made hazards				
			Part 1	
14:00	14:30	0:30	Zhongnanshan Tunnel Safety Operations and Risk Management System	Qiao Huaiyu
14:30	14:50	0:20	Operational Safety on the English Strategic Road Network	Lucy WICKHAM
14:50	15:10	0:20	Risk Analysis for the Adaptation of Road Infrastructure to Extreme Weather	Jürgen Krieger
15:10	15:30	0:20	SMART Bridge Load Rating/Testing for preventing bridge collapses	Choi/HyeokJin
15:30	16:00	0:30	Tea Break	
			Part 2	
16:00	16:20	0:20	Highway Traffic Safety Prevention and Control Measures under Storm Weather Conditions	Liu Jianbei
16:20	16:40	0:20	Practices of Traffic Information Management after Disasters in Japan	Kenichi Kouchi / Yoshiyuki Kato
16:40	17:00	0:20	Question & Discussion Time	

17:00			End of First Day of Seminar	
17:30			Dinner	
Second Day of Seminar : 2014/11/13				
Morning Stage 3: Emergency management for roads and traffic operations under natural and man-made hazards				
			Part 1	
8:30	9:00	0:30	Wenchuan earthquake restoration and reconstruction of highways and secondary disasters Analysis	Ma Hongsheng
9:00	9:20	0:20	Highway special geotechnical hazards and countermeasures	Zhang Liujun
9:20	9:40	0:20	Emergency management against large and combined disasters	Constantin ZBARNEA/ Yukio ADACHI
9:40	10:00	0:20	Watering damage in Mali	Mary TRAORE
10:00	10:30	0:30	Tea Break	
			Part 2	
10:30	10:50	0:20	Planning for a Resilient State Highway Network	Brett Gliddon
10:50	11:10	0:20	Suitability analysis of adaptive urban traffic control systems in China's context	Liu Xiaodong
11:10	11:30	0:20	Question & Discussion Time	
11:30	14:00	2:30	Lunch	
Afternoon Stage 4: Inputs from ITS in Network Operations				
			Part 1	
14:00	14:30	0:30	China Intelligent Transportation	Li bin
14:30	14:50	0:20	ANAS network operations: an ITS framework for monitoring and control	Pierluigi De Marinis
14:50	15:10	0:20	The implementation of a single traffic management platform for management of South Australia's arterial road network	Andrew Excell
15:10	15:30	0:20	Probe vehicle: a low cost innovative and promising solution for road networks monitoring	Jacques Ehrlich,
15:30	16:00	0:30	Tea Break	
			Part 2	
16:00	16:20	0:20	Research and Application of Video Technology Based Highway Toll revenue compensation	Yang Xiaodong
16:20	16:40	0:20	Question & Discussion Time	
			Closing Ceremony	
17:00	17:15	0:15	Summary	Wang Zuo
17:15	17:30	0:15	Acknowledgements	Wang Zuo
17:30			End of the Seminar	

