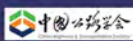


2nd

International Symposium on Disaster Prevention and Mitigation of Infrastructure

June 12-14, 2016
Xi' an, China

Host:

China Highway & Transportation Society (CHTS) 

CCCC First Highway Consultants Co. Ltd. 

Co-Hosts:


Chang'an University

Cold Regions Environment and Engineering Research Center

Road Engineering and Disaster Prevention and Mitigation Technology Research Center

Shanxi Province Key Laboratory of Highway Traffic Disaster Prevention and Mitigation

Supported by:

Transportation Research Board 

Bridge and Structure Engineering Chapter of CHTS

Tunnel Engineering Chapter of CHTS

SHANGXI Provincial Society of Highways

Symposium Profile

On behalf of the organizing committee, China Highway & Transportation Society (CHTS) is pleased to invite you to participate in the 2nd International Symposium on Disaster Prevention and Mitigation of Highway Infrastructure to be held on June 12-14, 2016, in Xi'an, China.

The 1st International Symposium on Disaster Prevention and Mitigation of Highway Infrastructure was held in June 2014, in Chongqing, China, attracting more than 300 domestic and international attendees. Attendees include government officials, engineers, managers and researchers from provincial departments of transportation, highway agencies and operators, agencies of urban roads, expressway operators and management bureaus, design firms, research institutes, consulting firms, construction companies, and transportation product and equipment companies.

The symposium will address the perspectives of roadway networks with regards to corridor design/integration in terms of the engineering process, as well as the challenges and issues related to preventing disasters and mitigating the impacts in all phases of transportation infrastructure development and delivery - planning, design, construction, maintenance and operations. In addition to presentations on the latest concepts and approaches, innovative technologies, and advanced equipment, the most effective strategies against geological hazards, extreme weather, emergencies and other major incidents or events will also be discussed.

The symposium aims to bring together research findings, innovative technologies, case studies and best practices in the field, delivered by academia and practitioners.

Host City

Once known as Chang'an, Xi'an is the political, economic, cultural and transportation center of Shaanxi Province, with its jurisdiction over five counties including Chang'an County. Located in the middle of the Central Plains of the Yellow River Basin, Xi'an stands between Qinling Mountain to the north and the Weihe River to the south. It is an important birthplace of the Chinese nationality as well as one of the places of human origin and prehistoric cultural centers in Asia. Its long history and rich cultural heritage has covered the old city with a mysterious veil. As a world-famous ancient capital, Xi'an has been designated as the capital of 13 ancient Chinese dynasties, all of which have left with Xi'an a lot of cultural relics, including pits of Qin Emperor Shihuang's Terra-Cotta Soldiers and Horses, Wild Goose Pagodas. Located in Xi'an are also a number of universities and research institutions, including Chang'an University, Xi'an Jiaotong University, Northwest University and Northwest Polytechnical University. Xi'an is the biggest processing industrial base and the largest trade center in the central and western part of North China, as well as the starting point of the Silk Road. The Silk Road has become a wide road connecting China and other countries. It is a road to civilization, friendship, trade and cultural tourism.



Topics and Issues Concerned

The symposium will address, but not limited to, the following topics and issues in four tracks:

Track One: Transportation Safety, Emergency Response and System Recovery

- Highway safety design and assessment
- Detection and monitoring technologies for traffic operations and highway corridor environment
- Identification, prevention & control technologies of transportation safety risks
- Transportation safety technology and countermeasures for adverse weather conditions
- Life-cycle highway transportation safety management
- Quick recovery of transportation capacity and traffic mobility
- Emergency management and transportation of hazardous goods
- Winter maintenance and operations

Track Two: Road Engineering Safety and Health in High-Elevation and Cold Regions

- Deformation failure and its controlling of highway embankment in cold and high-altitude regions
- Long-term performance protective technology for pavement under special and severe environment in cold and high-altitude regions
- Disaster risks of bridges and tunnels in cold and high-altitude regions and managing the risks
- Safety monitoring and health diagnosis for engineering construction

Track Three: Monitoring and Prevention of Highway Engineering Disasters

- Early warning and treatment technologies for roadway disaster under adverse weather conditions
- Forecast, monitoring, and support technologies for high slope excavation
- Risk evaluation and treatment technologies of geological disasters
- Health (disease) evaluation and treatment technologies for special soil foundation or sub-grade
- Seismic reduction & isolation technologies for bridge structures
- Anti-collision or collision avoidance technologies for bridge structures
- Structural health monitoring and safety assessment technologies for tunnel structures
- Safety operation technologies for drainage, ventilation and fire fighting in tunnels

Track Four: International Perspectives of Transportation Infrastructure Resilience

- An update on the organizational structure and technical efforts in addressing transportation infrastructure resilience at the TRB(Transportation Research Board)
- Basic science and knowledge regarding transportation infrastructure resilience
- Tools and applications for transportation infrastructure resilience
- Disaster prevention and mitigation practices in the U.S. and other countries
- Integration of disaster prevention and mitigation with the planning, design, construction, operation, and maintenance & rehabilitation of transportation infrastructure (Panel Discussion)

Technical Committee

Professor Zheng Yingren, Chongqing Engineering and Technology Research Center of Geological Hazard Prevention and Treatment

Zhao Yongguo, Dean, Engineering Technology Research Institute, CCCC (China Communications Construction Company) First Highway Consultants Co., Ltd.

Sha Aimin, Vice President, Chang'an University

Wang Fumin, Director, (China) National Mountainous Highway Engineering Technology Research Center

Zheng Jianlong, Director, National Engineering Laboratory for Highway Maintenance

Wang Fangqi, Associate Professor, China Merchants Chongqing Communications Research & Design Institute Co. Ltd. (CCRDI)

Ren Shengjian, Deputy General Manager, CCCC Highway Maintenance Engineering Technology Co., Ltd.

Zhanmin Zhang, Professor, University of Texas at Austin

Herby Lissade, Chief, Office of Emergency Management & Infrastructure Protection, California Department of Transportation

Dong Leihong, Vice Director, Highway Network Operation Division, Highway Network Center of Ministry of Transport

Jeffrey L. Western, P.E., S.E., Western Management and Consulting, LLC

Guo Tengfeng, Director, Transportation Safety and Digital Technologies R&D Center, First Highway Consultants Company Limited.

Liu Jianpei, Chief, Traffic Safety and Digital Technology Research Center, CCCC First Highway Consultants Co., Ltd.

Wang Gongxian, Associate Chief Engineer, Northwest Research Institute Co., Ltd of C.R.E.C

Jiang Shuping, Director/Chief Expert, CCRDI, China Merchants

Zhang LiuJun, Chief, Road Engineering and Disaster Prevention and Mitigation Technology Research Center, CCCC First Highway Consultants Co., Ltd.

Ma Hongsheng, Deputy Chief Engineer, Highway Planning, Survey, Design and Research Institute

Tian Zhizhong, Deputy Chief Engineer, Shanxi Provincial Transportation Planning, Survey and Design Institute

Prof. Bruno Briseghella, Director, Sustainable and Innovative Engineering Research Center, Fuzhou University

Jin Yi, Chief Engineer, Civil Engineering General Contracting Department of Beijing Urban Construction Group

Wang Junjie, Professor, Tongji University

Han Zhenyong, Chief Engineer, Tianjin Urban Construction Design Institute;

Zhao Junli, Deputy Chief Engineer, CCCC Highway Consultants Co., Ltd.

Tang Guangwu, Director, State Key Laboratory of Structural Dynamics of Chongqing Communication Research and Design Institute

Li Yuwen, Vice President, Sichuan Provincial Highway Design Institute

Guo Xiaohong, Chief Engineer, CCCC Second Highway Consultant Co. Ltd.; Vice President, Tunnel and Underground Engineering Division

Lin Zhi, Researcher, Chongqing Merchants, CCRDI

Chen Jianbing, Chief, Cold Regions Environment and Engineering Research Center, CCCC Highway Consultants Co., Ltd.

Zhang Xufu, Vice President, Civil Engineering and Architecture College, Chongqing Jiaotong University

Qiu Yuliang, Director, Underground Engineering Construction and Maintenance Technologies Research Center, CCCC First Highway Consultant Co. Ltd.

Tentative Program Structure

June 12, Sunday, 2016

Duration	Activity
10:00-21:00	Registration
16:30-20:00	Welcome Dinner

June 13, Monday, 2016

Duration	Activity
08:30-12:00	General Session
12:00-13:30	Lunch
13:30-17:00	General Session

June 14, Tuesday, 2016

Duration	Activity
08:30-12:00	Track 1: Traffic Safety, Emergency Response and Transportation Recovery Track 2: Road Engineering Safety and Health in High-Elevation and Cold Regions
12:00-13:30	Lunch
13:30-17:00	Track 3: Monitoring and Prevention of Highway Engineering Disasters Track 4: International Perspectives of Transportation Infrastructure Resilience Sponsored by (TRB)

Call for Paper and Speakers

The Symposium is calling for papers. Please submit the abstracts on issues and topics related. Abstracts and papers will be peer reviewed by the organizing committee. Papers accepted will be included in the symposium proceedings. Authors of certain papers will be given presentation opportunities at the symposium. Those interested in becoming a speaker can also submit their presentation abstracts for review.

Abstract Submission:

- Language: English
- Maximum of 500 words
- Submission to email: dpm2016@chinahighway.com
- Submission for paper abstract: no later than February 29, 2016
- Submission for presentation abstract: no later than March 31, 2016

Important Dates

Abstract Due	February 29, 2016
Notification of Abstract Acceptance	March 20, 2016
Full Paper Due	May 20, 2016
Notification of Full Paper Acceptance	June 1, 2016
Early Bird Registration	April 20, 2016
Conference Dates	June 12- 14, 2016

Sponsorship and Exhibition

Sponsorship and exhibition opportunities are available, for inquiries, please contact Ms. Liping Hou at lippinghou@chinahighway.com

Registration Fee

Early-bird Registration before April 20	350 USD
Regular Registration after April 20	450 USD
On-site Registration	500 USD

*** Included in the registration fees are registration package, lunch for conference days, and one dinner, and a possible half-a-day technical visit.

About CHTS

Overview

China Highway & Transportation Society (CHTS), founded in 1921, is the earliest society of science and technology in highway & transportation area. It is a national, academic, and non-profit social organization composed of the professionals and groups in the field and industry, under the guidance of the Ministry of Transport of China.

Organizational Structure

The current Board of CHTS is the 8th council established in January, 2016. Mr. Weng Mengyong, the immediate past Vice Minister of the Ministry of Transport, is Chairman of the Board.

CHTS has 14 Technical Committees, including Road Engineering, Bridge & Structure Engineering, Tunnel Engineering, Urban Transportation, Freight & Logistics, Maintenance & Operation, and Traffic Engineering etc. The Academic Advisory Committee and the Youth Expert Advisory Committee provide strong support for information exchanges, engineering consultation and project evaluation. In addition, each province and municipal city in China has its local Highway & Transportation Society, They have contributed to the CHTS' extensive membership network of 2,272 group members and 66,241 individual members.

Objectives & Functions

- To provide technical and engineering consultation
- To disseminate best technologies, practices and experiences
- To share information and knowledge
- To recommend projects and talents
- To establish platform for international industry exchange ...

Main Scope of Practices

- Organize domestic & international conferences, symposiums, workshops and training
- Project consulting
- CHTS Science & Technology Award screening and recommendation
- Publications & journals

Contact Information

For registration, submission of presentation proposal and paper abstracts:
dpm2016@chinahighway.com

For general inquiries, please contact:
Ms. Liping Hou at lipinghou@chinahighway.com
Or Ms. Nina Guan at guannina@chinahighway.com