

Agenda

Wednesday, 18th October

8:00-10:00 Opening Sessions

Introduce the delegates and guests on the stage

Speech given by Chairman of CHTS Juchang Li

Speech given by Engineering Technology Section Chief of Road Department of Chinese Ministry of Communications Baosheng Zhang

Speech given by Chinese representative to C3.3 Liu Wei

Speech given by Chairman of C3.3 Didier LACROIX

Speech given by Vice-Mayor of Chongqing China Yuanmu Yu

Speech given by Director of CCRDI Zhang Li

10:00-10:30 Group Photo and coffee break

10:30-12:00 Session 1: Safety Standards for Road Tunnels

10:30-11:00 EU-Directive and Implementation in Germany (Juergen Krieger)

11:00-11:15 Discussion

11:15-11:45 USA NFPA 502 and Comparison with Other Standards (Art Bendelius)

11:45-12:00 Discussion

Lunch Time and Break

14:00-16:30 Session 2: Reducing the cost of road tunnel operation

14:00-14:30 PIARC Report on Reduction of Operational Cost of Road Tunnels (Erik Norstrom and Jens Thomsen)

14:30-14:45 Discussion

14:45-15:15 Research on Illumination Energy Saving Technique of Highway Tunnel (Han Zhi)

15:15-15:30 Discussion

15:30-15:45 Coffee Break

15:45-16:15 Method on Ventilation Calculation of Tunnel Operation Based on Ranking of Highway Service Level (Qu Zhihao)

16:15-16:30 Discussion

16:30-18:00 Session 3: Disaster prevention and ventilation control in very long 2-tube tunnels

16:30-17:00 Ventilation of Very Long Tunnels in Europe (Bernard Falconnat)

17:00-17:15 Discussion

17:15-17:45 Design of Ventilation System for Cangling Super-Long Highway Tunnel Wu Dexing

17:45-18:00 Discussion

Thursday, 19th October

8:00-9:30 Session 3: Disaster Prevention and Ventilation Control in Very Long 2-tube Tunnels

8:00-8:30 R&D of Tunnel Technology and the Need of Full Scale Testing: The Runehamar Test Tunnel and Fire Safety (Harald Buvik)

8:30-8:45 Discussion

8:45-9:15 Experimental Research on the Flow Pattern of Short Section Model in Blowing and Exhausting Longitudinal Ventilation System of Qinling Zhongnanshan Highway Tunnel (Xie Yongli)

9:15-9:30 Discussion

9:30-9:45 Coffee Break

9:45-12:00 Session 4: Evaluation and Upgrading of Safety in Existing Tunnels

9:45-10:15 Risk Analysis and Implementation in Austria (Rudolf Hoerhan)

10:15-10:30 Discussion

10:30-11:00 Study on Assessment of Fire Damage in Tunnel Structure (Zhou Renqiang)

11:00-11:15 Discussion

11:15-11:45 Experience from Upgrading Safety of Existing Tunnels (Bernard Falconnat)

11:45-12:00 Discussion

Lunch Time and Break

14:00-17:15 Session 5: Tunnel Management and Safety Improvement

14:00-14:30 State of the Art in France in Equipment Maintenance Management (Jean-Claude Martin)

14:30-14:45 Discussion

14:45-15:15 Life Cycle Analysis of Tunnel Equipment- Basis for Safe Operation (Urs Welte)

15:15-15:30 Discussion

15:30-15:45 Coffee Break

15:45-16:15 Study on Scheme of Linked Control Technology for Single Extra-Long Highway Tunnel (Li Zhuwei, write by He Chuan)

16:15-16:30 Discussion

16:30-17:00 Experimental Research on Chengyu Highway Tunnel Operation Management (Liu xianming)

17:00-17:15 Discussion

17:15-18:00 Closing Session

Speech given by Mr. Manuel Romana Ruiz, secretary of C3.3

Speech given by Jiang Shu Ping, Chairman of TESC