

## NEWS ON RECENT CONFERENCE

### International Geotechnical Seminar on Recent Developments, Construction, Challenges and Forensic Investigation of Geotechnical Works, Singapore

Reported by  
Mr. T.S. Chua (GeoSS) and Askar Zhussupbekov (Asian VP)

The International Geotechnical Seminar on Recent Developments, Construction Challenges and Forensic Investigations of Geotechnical Works took place in Singapore from 24 to 25 October 2012. This event was jointly organized by the Geotechnical Society of Singapore (GeoSS) and BCA Academy with the support of the International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE). It aimed to examine how geotechnical engineers had overcome various challenges when working in complex projects under difficult subsoil conditions. Sharing of the knowledge will develop into important lessons and help engineers prepare for future challenges especially when working in different parts of the world. Using case studies, prominent geotechnical experts from overseas and Singapore will be able to understand complexities of geotechnical design as well as construction, and make use of solutions that are available for complex problems.

This seminar attracted more than 100 participants from Singapore and Malaysia, and 11 papers were presented. The conference theme of construction challenges and forensic investigation attracts a lot of interest from the engineering discipline because of the presence of distinguished speakers and construction boom in this region.

The invited lectures were delivered as follows:

Speaker name: Prof. Pedro S. Pinto (Portugal)

Title of lecture: New Developments in the Design of Pile Foundations: Case-studies on Guadiana and Tagus Bridges; and Jet Grouting Plug and Combined Pile Raft Foundations - Case-study on Kilamba Building Project at Luanda, Angola.

Speaker name: Prof. Askar Zhussupbekov (Kazakhstan)

Title of lecture: Foundation Systems on Challenging Ground Conditions- Case-studies of Mega-Structures' Design; and Construction in Kazakhstan and Chernobyl Nuclear Power Plant Disaster - Impact Assessment on Geotechnical and Structural Issues

Speaker name: Prof. Charles W.W. Ng (Hong Kong)

Title of lecture: Centrifuge and Numerical Investigations of Pile Performances subjected to Stress Relief due to Deep Excavations; and The Three-Dimensional Centrifuge Modelling on the Effects of Twin-Tunnel Construction on Existing Piles/Pile Groups

Speaker name Dr. Wei F. Lee (Chinese Taipei)

Title of lecture: Geotechnical Impacts of "Close Construction" Works on Safety and Maintenance of Subway Tunnels; and Lessons Learnt from Kaohsiung MRT Tunnel Construction Failure in Taiwan: Forensic Investigation & Retrofit Works

Speaker name: Prof. C.F. Leung (Singapore)

Title of lecture: Forensic Analysis in Geotechnical Works - Case-studies from Singapore

Speaker name: Dr. T.Y. Poh (Singapore)

Title of lecture: Bored Tunnelling Works in Singapore: Requirements and Case Study

Speaker name: Mr. T.S. Chua (Singapore)

Title of lecture: Lessons Learnt from Analysis and Supervision of KPE, the Longest Road Tunnel in Singapore

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Photographs taken during the conference are shown below.



Photo 1 Conference Participants

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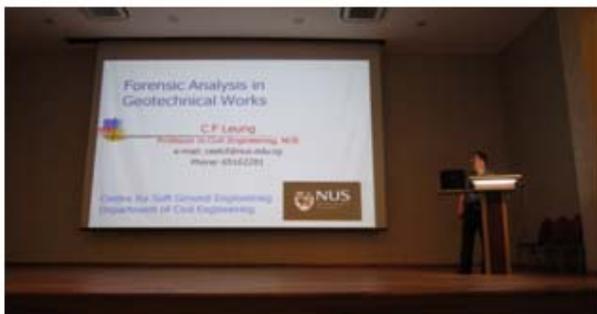
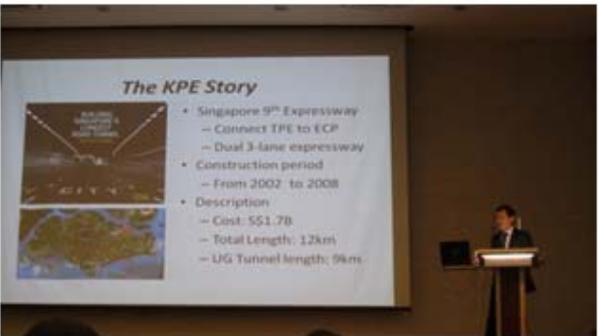


Photo 2 Invited speakers delivering their lectures (Prof. Pedro S. Pinto, Prof. Charles W.W. Ng, Prof. Askar Zhussupbekov, Dr. Wei F. Lee, Dr. T.Y. Poh, Mr. T.S. Chua and Prof. C.F. Leung)

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Photo 3 Souvenir from Prof. Askar to GeoSS, received by T.S. Chua and Prof C.F. Leung



Photo 4 International friendship with GeoSS and BCA in Singapore