

HKIE-IEM-CIE TRIPARTITE SEMINAR ON

“Recent Developments in Limit State Design for Geotechnical Works”

Date, Time & Venue

28 November 2014, 9am to 5pm, Jade Ballroom, 2/F, Eaton, 380 Nathan Road, Kowloon, HK

The Seminar

The Tripartite Seminar aims to create a venue for interactive discussions and sharing of experiences in multi-disciplinary engineering amongst the Hong Kong Institution of Engineers (HKIE), the Institution of Engineers, Malaysia (IEM) and the Chinese Institute of Engineers (CIE, Taiwan). The Seminar is hosted in turns among the three professional institutions.

While structural designs had moved to limit state design for many years, it was a norm to design the geotechnical works using a working stress approach with lumped factors of safety in many places around the world. With emergence of Eurocode 7 “Geotechnical Design” in 2004, review on applicability of limit state to geotechnical designs had taken place in various countries. Some countries such as Malaysia had already migrated into limit state design several years ago. Eurocodes will also be adopted in infrastructure projects in Hong Kong starting next year.

With this initiative, speakers from Malaysia, Taiwan and Hong Kong are invited to exchange intelligences on applying the limit state design and possible impacts onto the geotechnical works in particular related to foundation and excavation works. Review on design methodology, case studies will also be covered in the Seminar. A total of eleven papers from three institutions will be presented.

Registration & Enquiry

Registration fee is HK\$1,100. Applications received on or before 28 October 2014 will be qualified for an early bird rate of HK\$1,000. Full-time students are eligible for a student rate of HK\$500. Registration will include a copy of the Proceedings, lunch and coffee breaks. The seminar is designed for one CPD day. Attendance certificate will be provided after the event.

Registration should be made online via [HKIE Geotechnical Division website](#). For enquiries, please contact Ms. Judy Ngan at Tel: 3447 6338 or via Email: judy.ngan@arup.com

2014 Tripartite Seminar

List of Paper Presentations

Author(s)	Institution	Paper Title
Florence W Y Ko	HKIE	Recent Development in Local Geotechnical Standards for Migration to Eurocodes: A Hong Kong Perspective
Thomas Hui	HKIE	Development of Geotechnical Control for Deep Excavations in Hong Kong Using the Limit State Partial Factor Method
Gary Yung	HKIE	Dynamic Analysis of Machine Foundation: when a static force cannot tell the full picture
Sean Arnold	HKIE	Eurocode 7 Implementation in Hong Kong – A Designer’s Perspective
EG Balakrishnan	IEM	Comparison Study of Pile Design between Conventional Approach (Working Stress) and Limit State Approach (EC 7) Based On Case Studies
Swee-Huat Chan	IEM	Assessment of External Stability of Reinforced Soil Wall using British Standard BS 8006 and Eurocode 7
Loh Yee-Eng	IEM	Design and Construction Considerations for Steel Struts in Excavation of KVMRT Project in Malaysia
Yi-Chang Eric, Chai	CIE	Case studies of tunnel lininf adopting limit state design
Chun-Tun, Chen	CIE	Guide of Performance Based Design in Geotechnical Engineering
Dr. Hsiao-chou, Chao	CIE	The Application of Limit State Concept in the Construction Control of Deep Excavation and Protection of Adjacent MRT Bored Tunnels
Fish Gao	CIE	The Influence of Existing Structure Base on Shield Tunnel Passing through under the MRT Station