

Registration Form

Name of Organisation:

Mailing Address:

Email: Hand Phone:

Tel (Office): Fax:

Contact Person: Designation:

I/We wish to enrol the following person(s) for the above-mentioned Seminar:

Name	M/ship No.	Reg. Fee (RM)
Total payable:		

Enclosed herewith a crossed cheque No. for the sum of RM issued in favour of "The Institution of Engineers, Malaysia" and crossed 'A/C payee only'. I/We understand that the fee is not refundable if I/we withdraw after my/our application is/are accepted by the Organizing Committee but substitution of participant will be allowed. If I/we fail to attend the workshop, I/we will still pay the registration fee in full.

Signature: Date:

Registration Fee

IEM/CIE/HKIE MEMBERS: RM400
NON IEM/CIE/HKIE MEMBERS: RM600
STUDENT MEMBERS FROM IEM/CIE/HKIE: RM200

Accommodation

Options of accommodation (near to the Seminar venue):

- (A) Armada Hotel (<http://www.armada.com.my/reservation.php>)
- (B) PJ Hilton (<http://www3.hilton.com/en/hotels/malaysia/hilton-petaling-jaya-hotel-PETHITW/index.html>)
- (C) Crystal Crown Hotel (<http://www.crystalcrown.com.my/petaling-jaya/>)

Please make your room reservation directly with the hotel of your choice early to avoid disappointment.

Correspondence

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HKIE THE HONG KONG
INSTITUTION OF ENGINEERS
香港工程師學會

IEM-CIE-HKIE TRIPARTITE SEMINAR ON "GEOTECHNICAL FORENSIC ENGINEERING AND CASE HISTORIES"

Date : 23 October 2012 (Tuesday)
Time : 8:00 am – 5:30 pm
Venue : Atlanta Ballroom (Level 3), Armada Hotel, Petaling Jaya,
Selangor Darul Ehsan

Organised and hosted by
Geotechnical Engineering Technical Division
The Institution of Engineers, Malaysia

BEM Approved
CPD/PDP HOURS: 5.5
Ref No. :
IEM12/HQ/276/S

Introduction

The IEM-CIE-HKIE Tripartite Seminar aims to create a venue for interactive discussions and sharing of experience in multi-discipline engineering among The Institution of Engineers, Malaysia (IEM), Chinese Institute of Engineers (CIE, Taiwan) and Hong Kong Institution of Engineers (HKIE). The Seminar is hosted in turn among the three professional institutions. This year, the IEM Geotechnical Engineering Technical Division (GETD) will be hosting the One-Day IEM-CIE-HKIE Tripartite Seminar with the theme "Geotechnical Forensic Engineering and Case Histories". A total of nine papers with three papers from each professional institution will be presented.

Tentative Programme

08:00 – 08:45	Registration
08:45 – 09:00	<i>Opening Speech by the President of IEM</i>
09:00 – 09:40	Failure of Geotechnical Works in Coastal Soft Ground (<i>Chean Sin Chen, IEM</i>)
09:40 – 10:20	Case Studies of Investigation and Planning of Disaster Prevention in Slope Land Villages Impacted by Typhoon Morakot (<i>Chung-Ren Chou and Chung-Jung Yu, CIE</i>)
10:20 – 10:40	Tea Break
10:40 – 11:20	Lessons Learned from Recent Natural Terrain Landslides in Hong Kong (<i>D O K Lo and J C W Leung, HKIE</i>)
11:20 – 12:00	Underlying Failure Mechanisms of 2 high Slopes with Upper and Lower Level Walls Investigated (<i>See Teik Tan, IEM</i>)
12:00 – 12:40	Cause of the Heaving of the Kitchen Floor at Chungshan Great Hall (<i>Chew-Chin Koh and Shu-Ken Ho, CIE</i>)
12:40 – 14:00	Lunch
14:00 – 14:40	A Case Study of Soft Ground Tunnel Construction and Adjacent Pile Responses (<i>Anson KK Cheung, Leslie W H Tsang, Abby Y T Liu & W L Chan, HKIE</i>)
14:40 – 15:00	Tea Break
15:00 – 15:40	On the Investigation and Reconstruction of the Alishan Highway after the Attack of the Morakot Typhoon (<i>Shun-Min Lee and Jiunn Ding Chen, CIE</i>)
15:40 – 16:20	Geotechnical Forensic Engineering and Case Histories in Hong Kong (<i>S J Williamson, G P R S De Silva & A K L Ng, HKIE</i>)
16:20 – 17:00	Geotechnical Investigation of Excessive Pile Deviation on Reclaimed Land over Soft Clay (<i>Chee Meng Chow & Yoke Woh Lam, IEM</i>)

1. Failure of Geotechnical Works in Coastal Soft Ground (Chen Chean Sin, IEM)

Ir. Chen graduated from the Department of Civil Engineering of National Taiwan University, Taiwan in 1988. He then joined a Geotechnical Consultancy firm, Sino Geotechnology Incorporation, Taiwan, as a Geotechnical Engineer. In 1991, he continued his further study in the University of Illinois at Urbana-Champaign, USA. After obtained his Master Degree in Geotechnical Engineering in 1993, he continued his professional career in Sino Geotechnology Incorporation, Taiwan and later became a Professional Geotechnical Engineer (Taiwan). He returned to Malaysia in late 1996 and joined SSP Geotechnics Sdn Bhd. He had involved in many local and overseas projects including hill site development, marine projects, soft ground treatment, land reclamation, deep basement excavation, failure investigation, remedial design works and others. He had published and presented a number of technical papers in local and international conferences and journals. Currently, he is the Technical Director of SSP Geotechnics Sdn Bhd.

2. Case Studies of Investigation and Planning of Disaster Prevention in Slopeland Villages Impacted by Typhoon Morakot (Chung-Ren Chou and Chung-Jung Yu, CIE)

Mr. Chou earned his B.S. at Chung-Yuan Christian University in 1992 and M.S. degrees from Civil Engineering Department at University of Texas in 1995. From 1996 to 1998, he worked as a tunnel engineer at Taiwan Area National Expressway Engineering Bureau and was assigned to supervise the construction works of Hsueh-shan tunnel of National Freeway No. 5. Since 1998, Mr. Chou became as a geotechnical engineer in the Geotechnical Engineering Department of Moh and Associates, Inc. Mr. Chou has more than 17 years geotechnical experience in planning, design, and construction implementation. Mr. Chou has dedicated a keen research interest in areas of geotechnical, pile foundation, deep excavation, shield tunnel, ground settlement, and slope protection. His research achievement is manifested by numerous well-received articles published in technical journals and conference proceedings. He is the member of Taiwan Geotechnical Society and AVS-Associate Value Specialist, Value Management Institute of Taiwan. His major field are Geotechnical Engineering, Value Engineering, Project Management, Risk Management.

3. Lessons Learned from Recent Natural Terrain Landslides in Hong Kong (D O K Lo and J C W Leung, HKIE)

Ir. Raymond Law obtained his Bachelor Degree in Civil Engineering from the Hong Kong University of Science and Technology in 2005 and Master of Philosophy in Civil Engineering from the same university in 2008. He joined Geotechnical Engineering Office (GEO), Civil Engineering & Development Department, Hong Kong Special Administrative Region upon completion of his 3-year full-time research on granular flow mechanics for his Master of Philosophy. He is currently a Geotechnical Engineer of GEO. Raymond has extensive experience in the design and construction supervision of man-made slope upgrading works and natural terrain hazard mitigation measures. Also, he was involved in a number of public works projects, such as the detailed design of the artificial island for the Hong Kong Boundary Crossing Facilities and the supervision of the Central-Wan Chai Bypass construction work. Apart from taking up various engineering duties, he is currently pursuing a part-time doctoral degree in HKUST to improve the understanding of the mechanics of debris flow and its interaction with protection structures.

4. Underlying Failure Mechanisms of 2 high Slopes with Upper and Lower Level Walls Investigated (Tan See Teik, IEM)

Ir. Tan See Teik obtained his Bachelor of Engineering (Civil) from University of Melbourne in 1969. He continued with his post-graduate study in University of Melbourne in subjects such as geotechniques, numerical computation methods, shell structures, and coastal engineering but elected not to fulfill his thesis re-submission process. He started his professional career in early 1972 in Kuala Lumpur with training in geotechnical engineering design for high-rise building foundations and highways, field surveying for the Karak Highway, and structural engineering design for industrial and medium-rise buildings, and supervision of the KL-Seremban Expressway before obtaining his IEM and ICE (UK) memberships in 1976. Since then his work has been concentrated on highway design, bridge design and assessment and geotechniques, particularly soil and material investigation, pavement, drainage, ground treatment, geotechnical analysis and foundation design for major highway projects, contract documentation and management, and development of software for foundation analysis, (bridge deck) grillage analysis, reinforced concrete analysis and design. His overseas experience includes assignment as Highway and Drainage Engineer for the World Bank financed Indonesia's Kalimantan Transnugrasi Project and Highway Design Engineer for Tai Wo Hau Road Realignment, Hongkong.

5. Cause of the Heaving of the Kitchen Floor at Chungshan Great Hall (Chew-Chin Koh and Ho Shu-Ken, CIE)

Mr. Koh Graduated from Chung Yuan University with the B.Sc. in Civil & Hydraulic Engineering in 1987 and then obtained his M.Eng. in Soil Engineering, Geotechnical & Transportation Program from Asian Institute of Technology, Thailand in 1996. He joined Sino Technology, Inc. since 1988 and now is the Manager for the Department of Construction Management). He is the registered Professional Geotechnical Engineer of R.O.C. and also member of Taipei Professional Geotechnical Engineers Associations, Taiwan Geotechnical Society, Taiwan Disaster Prevention Society, Taiwan Geosynthetics Society, Southeast Asian Geotechnical Society, International Society for Soil Mechanics and Foundation Engineering.

Mr. Koh has significant experience in hillside development & slope projects, environmental geotechnology & waste management, instrument monitoring and geotechnical engineering investigations (laboratory and field testing).

6. A Case Study of Soft Ground Tunnel Construction and Adjacent Pile Responses (Anson KK Cheung, Leslie W H Tsang, Abby Y T Liu & W L Chan, HKIE)

Ir. Cheung joined Ove Arup & Partners Hong Kong Limited since graduation from the University of Hong Kong in 1994. He is currently a senior engineer of Arup. He has extensive experience in geotechnical engineering designs, including site investigation, shallow and deep foundations, site formation, slope inspection, slope and retaining wall assessment and design, as well as excavation and lateral support design for deep basements in urban environment. Apart from design, Ir. Cheung has also been involved in site supervision of several large scale infrastructure projects including the one presented in his Paper which consists of diaphragm wall cofferdam, deep excavation, various foundations and the soft ground TBM tunnelling construction and mined tunnelling using ground freezing method.

7. On the Investigation and Reconstruction of the Alishan Highway after the Attack of the Morakot Typhoon (Shun-Min Lee and Jiunn Ding Chen, CIE)

Dr. Lee graduated from National Taiwan University in 1978 and received his Ph.D. degree from MIT in 1995. He is an Assistant Vice President, CECI Engineering Consultants, Inc., Taiwan. He rejoined CECI Engineering Consultants, Inc., Taiwan after receiving the Ph.D. degree from MIT in 1995. He has been an APEC Engineer in Civil/Geotechnical Engineering since 2005. As a certified Project Management Professional (PMP), he is also an adjunct professor of Chiao Tung University for the project management course. He had been appointed as the secretary general of the Association of Engineering Consultants of Taiwan in recent years.

8. Geotechnical Forensic Engineering and Case Histories in Hong Kong (S J Williamson, G P R S De Silva & A K L Ng, HKIE)

Dr. Ng Kwok Leung Axel obtained his Bachelor Degree in Civil Engineering from University of Manchester, UK in 1985, Master of Philosophy in Geotechnical Engineering from the University of Hong Kong in 1990 and his PhD in geotechnical engineering at the University of Sydney in 1997. He has over 20 years of geotechnical experiences from projects in Hong Kong and other parts of Asia; China, Vietnam, and Korea. His experiences include slope engineering, deep excavation, site formation, tunnel, reclamation, foundation and landfill. He is currently a Technical Director in the geotechnical business line of AECOM Asia Company Limited. Axel has been the company representative of ISSMGE Corporate Associate and was a member of ISSMGE Technical Committee on Forensic Geotechnical Engineering. Axel's forensic experience started in 2005 when he investigated a major landslide near a village in Hong Kong, which resulted in evacuation of the whole village at night, and damage of many houses. Since then he has investigated many landslides in Hong Kong as well as failures of deep excavation. At present, Axel is the Project Manager of the on-going Landslide Investigation Consultancy where he oversees all the investigations of landslides occurring in the New Territories and Kowloon in Hong Kong between 2012 and 2013.

9. Geotechnical Investigation of Excessive Pile Deviation on Reclaimed Land over Soft Clay (Chow Chee Meng & Lam Yoke Woh, IEM)

Ir. Chow Chee Meng obtained his Bachelor of Engineering (Civil) from University of Malaya and won the Chan Sai Sook prize for the best engineering undergraduate thesis for his work on finite element modelling of strain-softening geomaterials. He is currently the Director of G&P Geotechnics and is a committee member of the Geotechnical Engineering Technical Division of the Institution of Engineers, Malaysia (IEM) since 2008. He has written numerous papers on engineering subjects ranging from R&D to geotechnical engineering in international and local conferences and journals and his research interests include deep excavation, jack-in pile, piled raft and soil nails. To date, he has published more than 25 technical papers in local and international conferences and journals.