

CIE- HKIE-IEM Tripartite Seminar 2023 on
“Crossover Technologies in Geotechnical Engineering”

Wednesday, 1 November, 2023

Room 103, Howard Civil Service International House

Organizer: Chinese Institute of Engineers
Supervisor: Public Construction Commission, Executive Yuan
Executive Organizer: Chinese Taipei APEC Engineer/ IPEA Monitoring Committee
Co-organizer: Taiwan Geotechnical Society (TGS)
Taiwan Professional Geotechnical Engineers Association

Introduction

The CIE-HKIE-IEM Tripartite Seminar aims to create a venue for interactive discussions and sharing of experiences in multi-discipline engineering among The Chinese Institute of Engineers (CIE), Hong Kong Institution of Engineers (HKIE), and the Institution of Engineers, Malaysia (IEM). The Seminar is hosted in turns among the three professional institutions. This year, the Chinese Institute of Engineers will be hosting this Tripartite Seminar with the theme “Crossover Technologies in Geotechnical Engineering.” A total of 12 papers from three professional institutions will be presented.

Time	Tentative Programme
09:00~09:30	Registration
09:30~09:40	Welcome Remarks -Dr. YANG, Cheng Hong, President of the Chinese Institute of Engineers Opening Remarks -Dr. Andrew Tze-An Wang, Chairman of the Chinese Taipei APEC Engineer/ IPEA Monitoring Committee, CIE
09:40~09:45	Group Photo Taking

Time	Tentative Programme
Session I Chair (CIE): Dr. ZHANG Dewen, Professor, Department of Civil Engineering, Tamkang University	
09:45~10:10	Geotechnical Design and Restoration Challenges of a Distressed Pier at Sultan Yusuf Bridge -Allan Y.L. Chwee, Engineering Manager, GCU Consultants Sdn Bhd, Malaysia (IEM)
10:10~10:35	Excavation of Soil Barrier with Steel Liner Plate Work Wells to Remove Subsurface Obstacles - Yu-Kuei Wu, CECI Engineering Consultants, Inc., Taiwan (CIE)
10:35~10:50	Coffee Break
10:50~11:15	Digitalization, Modularisation and Sensors Application of a Deep Excavation Project in Urban District of Hong Kong - Gavin SH Toh, Chairman of the HKIE Geotechnical Division (HKIE)
11:15~11:40	Analysis of the Taipei MRT Circular Line Pile Load Test: A Case Study and Prospective Developments - Anjerick Topacio, Geotechnical Engineer I, Moh and Associates, Inc. (CIE)
11:40~13:15	Lunch Hosted by the Chinese Institute of Engineers (CIE)
Session II Chair (HKIE): Ir Dr Gavin Toh, Chairman of the HKIE Geotechnical Division	
13:15~13:40	A BIM-Integrated Ground Modelling Approach for Fast-Paced Infrastructure Projects: A Case Study from Siu Ho Wan Depot Property Development - Dennis Wong, Ove Arup & Partners Hong Kong Ltd, HKSAR (HKIE)
13:40~14:05	Integration of BIM and Other Innovative Technologies to Enhance the Sustainable Design of Geotechnical Works - Ir David Mak, Associate Director, AECOM (HKIE)
14:05~14:30	Geotechnical Challenges for Urban Section of the Taoyuan MRT Green Line - Guang Syun Li, Geotechnical engineer of CTCI Resources Engineering Inc. (CIE)
14:30~14:55	Implementation of Building Information Modeling (BIM) and Geotechnics Safety Analysis Trends in Residential Project - Fadhilah Rahmah M J, Civil Engineering Intern Li-Jou and Associated Consulting Engineers Ltd (CIE)
14:55~15:15	Coffee Break
Session III Chair (IEM): Ir. Dr. Gue Chang Shin, Deputy Chairman of the Geotechnical Engineering Technical Division (GETD), Institution of Engineers, Malaysia	
15:15~15:40	The Use of Deep Soil Mixing Technology Over The Ocean In Singapore's First Polder Construction - C. K. LEE, Arup (IEM)
15:40~16:05	Integrated Use of GNSS and InSAR Techniques for Movement Monitoring under Trunk Road T2 and Cha Kwo Ling Tunnel - Stephen Mak (HKIE)

Time	Tentative Programme
16:05~16:30	Predicting Soil Compression Index Using Random Forest and Gradient Boosting Tree - Chia Yu Huat (IEM)
16:30~16:55	Application of Fluid-Mechanical Interaction in Stability Analysis of Underground Connecting Way Excavation - Bair Jin Yueih, Senior Engineer (Manager), CEC Corp (CIE)
16:55~17:00	Closing Remarks -Dr. Andrew Tze-An Wang, Chairman of the Chinese Taipei APEC Engineer/ IPEA Monitoring Committee, CIE

Tripartite 2023 Registration Form

Title: Prof / Dr / Mr / Mrs / Miss / Ms

Surname: First Name:

Organization/

Company: Job Title:

Email: Cell Phone:

I will also Attend

- ☐ 31st Oct. (Tue) 2:00 PM (Tentative)
Technical Visit to the Wanda-Zhonghe-Shulin metro line of Taipei MRT
- ☐ 1st Nov. (Wed) 6:30 PM
Dinner Banquet @ Howard Plaza Hotel Taipei
- ☐ 2nd Nov. (Thu) 10:00-11:30 AM
Visit ACRS (Asian Conference on Remote Sensing) 2023 Exhibition
<https://acrs2023.tw/index.php>

Special Dietary Requirement

- ☐ Vegetarian
- ☐ None

Registration Fee

I understand that the fee is non-refundable if I withdraw after my application is accepted by the Organizing Committee but substitution of participants will be allowed.

CIE/HKIE/IEM Member/ APEC Engineer/ IntPE: ☐ NT\$ 1,500 (=US\$50)

Non-Member ☐ NT\$ 2,400 (=US\$80)

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Correspondence

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