

正本

檔號：

保存年限：

中國工程師學會

中華台北亞太工程師監督委員會 函

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密等及解密條件或保密期限：普通

附件：如文

主旨：本委員會與馬來西亞工程師學會、香港工程師學會及中華民國大地工程技師公會共同舉辦「地下近接施工之管制及案例探討」-The Management and Case Study on Adjacent Underground Construction」研討會，議程及報名表如附件，敬請貴單位踴躍派員報名參加，敬請惠覆。

說明：

一、本次研討會宗旨如下：

都市的建設，常伴隨著公共運輸建立成都市的發展中心，往往須緊鄰著公共運輸工程進行開發，而為了使開發案達到最高經濟價值，極限的土地利用及更深的地下開挖，成為都市建設中所必要面對的課題。此外，都會區的下水道等公共管線工程，在既有構造物進行鄰近工程施工，將使地層之應力改變及產生變形，造成既有構造物之位移或損壞。此等地下鄰近施工，如果產生損壞或災害，將造成社會成本重大損失及失去民眾對公共工程的信任，因此許多國家對地下近接施工之管制均已建置嚴格的禁限建管制規定。

台灣近二十年來捷運系統建設及高速鐵路新建等高運量公共

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運輸陸續完成，針對緊鄰之開挖管制，從設計、申請及施工均已建立一套完整的近接施工管制措施及規範；除此在台北市之污水下水道主要管線已完成近126.92km地下管線工程，因此台灣近年來的實際執行中累積了很多地下近接施工之實務經驗，也確保了公共工程及公共運輸之安全。鑑於諸多亞洲國家都市開發及公共建設的蓬勃發展，藉由本次研討會的平台，進行『地下近接施工之管制及案例探討』的研討及心得交流，將是一個難得的經驗與機會，也期待在本次的盛會中能給與會的各國工程師一個共同成長的不同的感受與體驗。

二、舉辦時間：102年11月15日

地 點：公務人力發展中心福華國際文教會館，台北市新生南路三段30號。

報名費：CIE/HKIE/IEM MEMBERS: NT\$900、

NON CIE/HKIE/IEM MEMBERS: NT\$1200、

STUDENT MEMBERS FROM CIE/HKIE/IEM: NT\$700

三、本研討會之主題雖係大地工程，但其討論之內容足作為未來各項公共工程及公共運輸之安全設計之參考，與貴單位業務相關，敬請惠予派員報名參加。

四、報名截止日期：10月20日，本研討會有申請公務人員及技師訓練積分登錄。

正本：各相關單位

副本：行政院公共工程委員會、中國工程師學會、本監督委員會

主任委員

莫若梅



中國工程師學會信用卡刷卡單

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CHINESE INSTITUTE OF ENGINEERS, TAIWAN, ROC

Credit Card Payment

“The Management and Case Study on Adjacent Underground Construction”
15 November 2013 in Taipei **(Friday)**

mm/ dd/ /yy

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刷卡聯絡人：李宥萱小姐

Registration Form

Name of Organisation:

Mailing Address:

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Cell Phone:

Tel (Office):

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Contact Person:

Designation:

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

Name	Society & m/ship No.	Reg. Fee (NT\$)
Total payable:		

Enclosed herewith the signed CIE credit card payment form. 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:

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Registration Fee

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NON CIE/HKIE/IEM MEMBERS: NT\$1200
STUDENT MEMBERS FROM CIE/HKIE/IEM: NT\$700

Accommodation

Options of accommodation (near to the Seminar venue):

HOWARD CIVIL SERVICE INTERNATIONAL HOUSE, TAIPEI (<http://www.intl-house-howard-hotels.com.tw>)
☐ **Make your room reservation via CIE.** (Please check the hotel reservation in credit card payment form)

Correspondence

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ONE-DAY CIE-HKIE-IEM TRIPARTITE SEMINAR ON

"The Management and Case Study on Adjacent Underground Construction"

Date : 15th November 2013 (Friday)
Time : 08:00 a.m. – 16:40 p.m.
Venue : Howard Civil Service International House Taipei, Room 103

Organised and hosted by
Chinese Institute of Engineers (CIE)

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, Taiwan), 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 the One-Day CIE-HKIE-IEM Tripartite Seminar with the theme "The Management and Case Study on Adjacent Underground Construction". A total of ten papers from three professional institutions will be presented.

Tentative Programme

08:00 – 08:30 **Registration**
08:30 – 09:00 Opening Speech by Chairman
09:00 – 09:30 Challenging Case Histories of Shield Tunnel in Taiwan: Review and Prospective (Fu-Lai Su, Hui-Wen Cheng, Chi-Hsin Su, Lung-Chun Chang, **CIE**)
09:30 – 10:00 Design and Construction of Access Shafts for an Underground Railway in Western Hong Kong (Ian Askew and Helen Li, **HKIE**)
10:00 – 10:30 **Tea Break**
10:30 – 11:00 Substructure Constructions for Multi-phases Platinum Park Development at Kuala Lumpur City Centre, Malaysia (Loh Yee-Eng, Liew Shaw-Shong, **IEM**)
11:00 – 11:30 Protection Control for Adjacent Buildings and MRT Structures in Taipei Rapid Transit System (Lai, Yung-Feng, **CIE**)
11:30 – 12:00 Back Analysis for a Deep Excavation in Soft Alluvial Deposits for High Rise Development next to a Metro Station in Shanghai (S.L. CHIU, Eric YUNG and Johnson Ho, **HKIE**)
12:00 – 13:30 **Lunch**
13:30 – 14:00 Excessive Movement of Temporary Steel Sheet Pile Wall Supported by Diagonal Struts in a Basement Excavation (Chan Swee Huat, Lim Chee Siong and Yap Kim Chuan, **IEM**)
14:00 – 14:30 A Case Study for Applying Island Type of Methodology in Loose Ground Excavation (Hsiuan Lin, Fish Gao, **CIE**)
14:30 – 15:00 A Systematic Approach and Methodology for the Design of Underground Works for Metro System in Highly Urbanised Districts in Hong Kong (Jack Yiu & Peter Thompson, **HKIE**)
15:00 – 15:30 **Tea Break**
15:30 – 16:00 River Diversion Using Permanent Continguous Micropile Close Proximity to Existing Bridge Pier Foundations (EG Balakrishnan, Tan Chee Yen & Chong Hon Yeau, **IEM**)
16:00 – 16:30 Countermeasure and Monitoring Feedback for Adjacent Underground Construction of Taoyuan Airport MRT Project CU02A Lot (Cheng-Hsun Chen, Daniel H. JU, Wen-Long Wu, Shun-Min Lee, Kung-Tai Chou, **CIE**)
16:30 – 16:40 **Closing**