大地工程國際學者演講公告

GEOTECHNICAL SEMINAR

日期：民國 105 年 11 月 22 日(星期二)　15:00 - 17:00

地點：國立臺灣科技大學(台北市基隆路四段 43 號)國際大樓演講廳 201 室(IB-201)

主辦單位：中華民國大地工程學會、國立臺灣科技大學營建工程系、國立臺灣大學土木工程學系、國立高雄應用科技大學土木工程系、英國土木工程學會(Institution of Civil Engineers, UK)

時間	主題	講者
14:45-15:00	報到	
15:00-16:30	**Recent developments in the design and understanding the performance of embedded retaining walls** (開挖式擋土牆力學行為與設計考量之最近研究與發展成果)	  **Professor William Powrie** **University of Southampton**
16:30-17:00	問答與交流	

本活動免費，歡迎踴躍參加，並提供公技師訓練積分申請(請提供身分證號碼)，

相關問題，請聯絡:

國立台灣科技大學 楊國鑫教授(0983717261/ khy@mail.ntust.edu.tw)

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報名回條 報名表請 mail:tgstw999@gmail.com

會員編號#_____, 姓名：_____, 單位：_____

連絡電話：_____, Email：_____

Recent developments in the design and understanding the performance of embedded retaining walls

William Powrie, Professor of Geotechnical Engineering and Dean of the Faculty of Engineering and the Environment, University of Southampton

SYNOPSIS

Over the past 15 years, considerable insights have been gained into aspects of the design and performance of embedded retaining walls through field monitoring supported by numerical and other analysis. The talk will present and discuss three of these:

- The prediction of temporary prop loads in large braced excavations, with respect to measurements and analysis carried out in relation to the London Underground Jubilee Line Extension stations at Canary Wharf and Canada Water
- Installation effects and post-construction behaviour of embedded bored pile retaining walls in an overconsolidated deposit, with reference to a case study on the UK high speed rail line HS1 at Ashford, Kent
- The effect of wall stiffness in reducing bending moments below those calculated using a modern factored limit equilibrium type calculation, by means of a “Mobilizable Strength Design” method for flexible embedded walls.

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