



**The Hong Kong Institution of Engineers  
Young Members Committee**

**Slope Stability Analysis Workshop**

Date: 29 April 2006 (Saturday)  
Time: 9 a.m. to 12 noon  
Venue: Room W703, Hong Kong Polytechnic University  
Speakers: Ir Dr Y M Cheng and Ir Dr Mark H C Chan

**HIGHLIGHTS:**

Slope design standards, basics of 2D slope stability analysis, search for critical surface, convergence problem and brief introduction to 3D analysis, hands-on practice in computer Laboratory using common slope stability analysis programs. The Workshop is most suitable for engineering practitioners with some experience in slope stability analysis.

**INTRODUCTION OF SPEAKERS:**

***Ir Dr YM Cheng***

Design and construction of many deep excavation works, soft ground and rock tunnelling for Mass Transit Railway Island Line construction. Site formation design for Kornhill Development, design of viaducts of Island Eastern Corridor Link. Temporary works associated with Eastern Harbour Crossing.

Current research includes: pile foundation, finite element modeling, 3D slope stability analysis, tunnel stability, and soil nail modeling.

***Ir Dr Mark H C Chan***

Obtained his Bachelor (with academic award), Master and Doctoral degrees from MIT and has wide international work experience as academic, researcher, engineer and contractor. He worked for Stone & Webster Engineering Corporation on verification of geotechnical computer programs, and is presently a geotechnical engineer in the GEO with duties including the checking of geotechnical computer programs, R&D and geotechnical control. His main research interests are in stress analysis and fracture mechanics (at MIT and at British Petroleum Research Center), and he has worked on major projects including the Test Embankment at Chek Lap Kok, the northern Lantau trunk road and site formation and foundation excavation projects.

**REGISTRATION AND ENQUIRY:**

The total number of places is limited to about 30 and applications will be accepted on a first-come-first-served basis.

**For registration**, please complete the application form below and send it with cheque payable to “*American Society of Civil Engineers – Hong Kong Section*” to the Course Secretariat at the address:

Ms. Barbara Siu  
Department of Civil Engineering,  
The Hong Kong University of Science and Technology, Clearwater Bay, Kowloon, Hong Kong

**For enquiry**, please contact Miss Siu at 2358-7175 or barbara@ust.hk.

## Application Form

Course Title: **Slope Stability Analysis Workshop**  
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Name of applicant(s):  
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ASCE Membership No.  
(if any):  
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HKIE YMC Membership  
No. (if any)  
Company:  
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Contact No.:  
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Fax No:  
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E-mail:  
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Amount (HKD) (\*):  
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Cheque No.:  
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(\* ) HK\$250 for full subscribing ASCE Members, HK\$250 for HKIE YMC members (subject to quota) and HK\$300 for others