



## HALF-DAY WORKSHOP

## Geotechnical Engineering: from ground investigations to improvements

Jointly organized by
American Society of Civil Engineers (Hong Kong Section)
and
Department of Civil and Environmental Engineering

Department of Civil and Environmental Engineering, The Hong Kong Polytechnic University

**Date:** 19 September 2015 (Saturday)

**Time:** 09:00 - 12:30 (registration starts at 08:30)

Venue: Room V322, Innovation Tower, The Hong Kong Polytechnic University

Language: English

# **Highlights of the Workshop**

• Cone penetration testing for baseline characterization

- Ground improvement works in soft clay and loose sand
- Design of vertical drains
- Application of Vacuum preloading

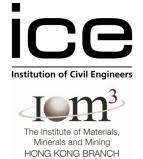
#### **Course Fee**

Fee	Eligibility
HK\$350	Member of ASCE. PolyU CEE Department and Supporting
	Organizations; <u>or</u> Early-bird registration (payment made on or before
	11 September 2015, postmarked); <u>or</u> Group registration ( $\geq$ 4 persons)
HK\$450	Non-member
HK\$150	ASCE Student Member (limited seats)

Fee includes tea/coffee and an attendance certificate.

#### Seats are limited. First-come-first-served!

## **Supporting Organizations (as on 24 August 2015)**







**Program (subject to minor modifications without prior notice)** 

08:30 – 09:00	Registration
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09:00 – 09:05	Welcome address
09:05 - 09:45	Carlton HALL, Fugro Group
	Baseline characterization and validation testing of ground using the
	cone penetration test (CPT) and associated techniques
09:45 – 10:25	Kin Ming CHAN, Bachy Soletanche Group Ltd
	Some local experiences in ground improvement works - soft clay and
	loose sand
10:25 – 10:50	Coffee break
10:50 – 11:30	Albert T. YEUNG, The University of Hong Kong
	Design of surcharging and prefabricated vertical drains for
	improvement of soft clay
11:30 – 12:10	Freda CHU, ARUP
	Vacuum preloading – Shanghai and Macau case history
12:10 – 12:30	Closing remarks and souvenir presentation
12:30	Distribution of CPD certificates

# **Certificate:**

This course is recommended for three CPD-hours.

**Enquiry:** 

Dr Songye ZHU ceszhu@polyu.edu.hk Tel: 3400 3964





## About the speakers

#### Carlton HALL

Carlton Hall is the Site Investigation Manager for Fugro Geotechnical Services Limited. He is a chartered civil engineer and has over 25 years of international work experience across government, geotechnical consultancy and contracting organizations. As a user of geotechnical data he developed particular interest in the effects of field practice on data quality and, subsequently, the accuracy of the engineering ground model. As a business manager of ground investigation he is responsible for the technical and managerial systems that control the manner of geotechnical data acquisition; as such he continues his interest in quality, production and HSE concerns.

#### Kin Ming CHAN

Ir Chan graduated from the University of Hong Kong in 1979 with the award of BSc( Hons) in Engineering, then 2 years further studies in a French National Engineering School major in bridge construction with the French Government Scholarship and graduated in 1982 with the award of the professional diploma in Engineering. Ir Chan joined Bachy Soletanche Group Ltd in 1982 and is now a design manager of the company. He is a CEng, MICE, MIStructE, and MHKIE, and holds RPE(Civil, Structural, Geotechnical). His work experience and interests are foundation, excavation and lateral support, ground improvement works.

#### Albert T. YEUNG

Ir Dr. Albert T. Yeung is on the civil engineering faculty of The University of Hong Kong (HKU). He received his BSc(Eng) in civil engineering from HKU with first class honors, MS and PhD from the University of California, Berkeley. He is the current chair of the Region 10 Assembly of ASCE, and the Immediate Past Region 10 Director and the Chair of the Board of Governors of ASCE Region 10 (International Region). He has more than a hundred and eighty publications to his credit. His notable awards include the IPA Research Grant Awards of the International Press-in Association 2008, 2012, 2014; the 1st Prize of Civil Engineering Papers of the Year Award 2008 of the Hong Kong Institution of Engineers (HKIE); the Peter H.K. Chan Award 2001 for the Best Environmental Paper of HKIE; the Samuel Arnold Greeley Award 1999 of ASCE; the Arthur Casagrande Professional Development Award 1996 of ASCE; the Dow Outstanding New Faculty Award 1994 of the American Society for Engineering Education; the Texas Engineering Experiment Station Select Young Faculty Award 1993; the Kumagai Prize 1994 of HKIE; among many others. He is a CEng and holds FASCE, FICE, FHKIE, RPE(Civil, Environmental, Geotechnical) and PE(Texas).

#### Freda CHU

Freda has 14 years' experience working in a wide range of geotechnical works both in and outside HK. Her particular expertise include foundation systems for super high-rises, soft soil ground treatment and novice designs such as large sheet pile caisson structures used for non-dredged reclamations. She also brings strong social awareness to engineering – seen through her contribution to World Economic Forum report and leadership of the Arup x WZQ Bridge, which received numerous awards including the Edmund Hambly Medal of the Institution of Civil Engineers, London.



19 September 2015 (Saturday)



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Time			12:30 (registration starts	,		
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## Remarks:

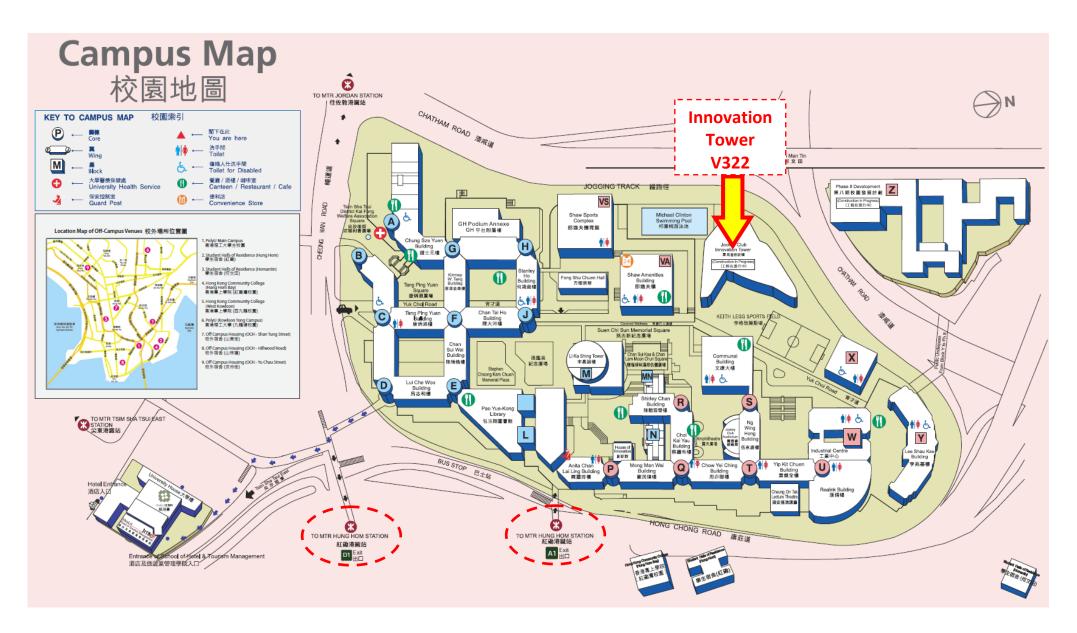
Date:

- Payment is non-refundable once booking is confirmed.
- The cheque should be payable to "<u>American Society of Civil Engineers Hong Kong Section</u>", and post to

Dr Songye ZHU, Department of Civil & Environmental Engineering, The Hong Kong Polytechnic University, Hunghom, Kowloon.

- Seat will only be confirmed when payment is received.
- ASCE Hong Kong reserves the right to cancel or re-schedule the workshop at its discretion.

Enquiry: Dr Songye ZHU (Email: <a href="mailto:ceszhu@polyu.edu.hk">ceszhu@polyu.edu.hk</a>; Tel: 34003964)



Online campus map: http://www.polyu.edu.hk/fmo/eMap/CampusMap.pdf