Applied Technology Group

AUSTRALIA ● NEW ZEALAND ● HONG KONG ● MALAYSIA ● SINGAPORE

Professional course on:

Slope Engineering for Hill-Site Development

Conducted by

Dato' Ir. Dr. Gue See Sew

Petaling Jaya
Armada Hotel
24 November 2018
9.00 am – 6.00 pm

One-day Course on Slope Engineering for Hill-Site Development

COURSE OVERVIEW

In Malaysia, the construction of residential buildings on hill-site has increased tremendously due to lack of suitable flat land and other factors like beautiful scenery, fresh air, exclusiveness, etc. However, the collapse of Block 1 of Highland Towers, one of the first high rise development on hill-site has worried many, particular for those who are staying on a hill-site or planning to purchase a unit of a development. Safety of building on hill-site is often a topic of discussions among engineers and public. The discussion intensifies each time after a landslide being highlighted by media.

To safeguard the safety of the public from landslide hazards, geotechnical input by the engineer is very important. The geotechnical input includes four important stages namely, planning, design, construction and maintenance. With proper engineering input, hill-site development is safe as demonstrated by various such developments in Malaysia and also in land-scarce countries such as Hong Kong, Taiwan, etc. During the seminar, the speaker will explain the methodology for slope stability assessment, the design of slope stabilization as well as how to maintain slopes on hill-site development. The course will be followed up with two practical questions on concept related to slope engineering to gauge participants understanding of the course materials. Participants will be guided by the course presenter in solving the questions to stimulate critical thinking.

BENEFITS OF COURSE

At the conclusion of the course, participants will be able to:

- understand the basic principle of hill-site development
- understand basic soil and rock mechanics related to slope stability
- design slope stabilization and strengthening works
- understand the policy of hill-site development

Special Discount

Early Bird Discount	RM 100	*Register for course and pay before 24 October 2018*

MAIN COURSE PRESENTER

Dato' Ir. Dr. Gue See Sew

Dato' Ir Dr Gue See Sew graduated from three universities; Diploma in Civil Engineering from Universiti Teknologi Malaysia, First Class (Honours) Degree from University of Strathclyde, UK in 1979 and Doctorate from Oxford University with Kuok Foundation Scholarship. Dato' Gue holds an Honorary Doctorate in Science (2006) from the University of Strathclyde, Glasgow, Scotland..

He was the President of the Institution of Engineers, Malaysia (IEM) (2001 to 2003), International Chairman of the Coordinating Committee of APEC Engineers (2001–2005, 2007–2011) and the Head Commissioner of ASEAN Engineers Register (AER) (2003 - May 2007). He is the current Chairman of the International Professional Engineers Agreement (2017 – 2019).

He is the Chairman of Technical Advisory Panel for State of Penang (since 2013) and was member of the Commissioner of Enquiry (2013 – 2014) appointed by the Governor of Penang to investigate the causes of failure of the UMNO Building and collapse of Ramp 2 the Second Penang Bridge. He was also member of the KLIA2 Independent Safety Committee (2014-2015) appointed by the Minister of Transport. In 2017, he was again appointed by the Governor of Penang as member of the Commissioner of Enquiry to investigate the causes of landslide at Taman Sri Bunga in Penang.

Dato' Gue led the Expert Standing Committee on Slope Safety hosted by the Construction Industry Development Board (CIDB) in 2013 to improve the slope management for Malaysia and more recently, appointed as an advisor to the Kedah State Government.

He is now the Chief Executive Officer of G&P Professionals Sdn Bhd, a one-stop engineering specialist service centre and Managing Director of G&P Geotechnics Sdn Bhd, a geotechnical consulting firm.

Dato' Ir. Dr. Gue has presented 260 lectures on Geotechnical Engineering. He has also published 110 Technical Papers related to geotechnical engineering in various conferences and seminars including a number of keynote addresses, theme and special lectures.

TENTATIVE COURSE SCHEDULE

8.30am – 9.00am	Registration
9.00am – 9.10am	Introduction of Speaker
10.00am – 10.45am	SECTION 1: INTRODUCTION • Case histories of landslides and slope failures • Cause of notable landslides and slope failures (inadequate design, relict joints, water table, etc.) • Preliminary study for hill-site development i. Desk study ii. Slope terrain analysis iii. Planning of subsurface investigation for hill-site development) SECTION 2: • Examples of hill-site development guidelines: a. DBKL's guidelines b. Selangor's guidelines c. MPPP's guidelines
10.45am – 11.00am	*REFRESHMENT*
11.00am – 1.00pm	SECTION 3: • Principles of soil mechanics for slope stability assessment SECTION 4: • Methodology for slope stability assessment a. Advantages and limitations of different method of limit equilibrium analysis b. Selection of soil parameters and groundwater level i. Soil shear strength ii. Rock strength and importance of rock joints/discontinuities in rock slope stability iii. Residual soils c. Factors of safety required for different slope conditions
1.00pm – 2.00pm	*LUNCH*

2.00pm – 4.00pm	**SECTION 5:** • **Planning of layout for hill-site development** **SECTION 6:** • **Design of slope stabilization/strengthening works** a. **Cut slope** b. **Fill slope** c. **Rock berm (toe counterweight)** d. **Reinforced concrete retaining wall** e. **Contiguous bored pile (CBP) wall** f. **Reinforced soil wall** g. **Soil nailing** h. **Control of erosion, drainage and seepage** **SECTION 7:** • **Supervision and construction control**
4.00pm – 4.15pm	*REFRESHMENT*
4.15pm – 6.00pm	**SECTION 8:** • **MAINTENANCE OF SLOPES** **SECTION 9:** • **THE WAY FORWARD** a. Slope management and centralized slope agency b. Refinement of guidelines for improved safety and efficiency with R&D catering to local experience i. Public-private partnership ii. Increase competency of local engineers in slope engineering c. Holistic approach including factors such as environmental, social impact, etc. d. Public education e. Information management
END OF THE SEMINAR	

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COURSE REGISTRATION FORM

Course title:
One-day Course on Slope Engineering for Hill-Site Development

(✓ Please tick)

	24 November 2018 **Armada Hotel, Petaling Jaya**

Company Information

Company:	
Address:	
State/ Province:	
Zip/Postal Code:	
Country:	
Contact Person:	
Email:	
Phone:	

Attendee Information

Name (1)	
Job title:	
E-mail:	
Mobile/Tel No:	
Name (2)	
Job title:	
E-mail:	
Mobile/Tel No:	
Name (3)	
Job title:	
E-mail:	
Mobile/Tel No:	

Registration Fee

	Fee
Individual Fee	RM1,100
Group Fee (3 or more delegates)	RM1,000

Closing date: 20 November 2018. An early bird discount of RM100 for payment received before 24 October 2018.

Payment

Payment is to make payable to:
Applied Technology Group Sdn Bhd
Public Bank Berhad (Malaysia)
Account no: 3178247302

Payment terms:
Payment is required before the event. Once received your place is automatically reserved. Registration fee includes lunch, refreshments and full training documentation as specified. Delegates may be refused admission if payment is not received prior to the event. The fee does not include hotel accommodations.

Cancellation Policy

All cancellation of registration must be made in writing.
If you are unable to attend:

a) A substitute delegate is welcomed at no additional charge.
b) Your registration can be credited to a future event.
c) You will receive a full refund less 10% administration charge if cancellation is received in writing more than 14 days before the event.
d) No cancellations will be accepted within 14 days before the event start date. Full course documentation will however be sent to the delegate.

Course Schedule

Course starts at 9.00am and ends at 6.00pm daily. Please arrive at 8.30am on day one to allow time to register and receive course materials.

Please send completed form to:

Fax to: **+603 5637 9945**
or Email to: admin@apptechgroups.net
For enquiry, please call: +603 5634 7905
Or refer to our website www.apptechgroups.net

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