

REGISTRATION FORM (FAX TO 03-58821602) :

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Website : <http://msmam.com>
 Email : escp@msmam.com
 Fax : 603-58821602
 Tel : 603-5882 2085 / 012-7102620
 Post to : No. 18-1a, Jalan Bandar 8,
 Pusat Bandar Puchong,
 47170 Puchong.

Fees: The full Registration Fee includes cost of all sessions, luncheon, coffee/ tea & documentation. This is a BEM endorsed course and accredited with 18 CPD hours.

No of Participants	1 Person	2 Persons	3 Persons
Fees Per Person	RM 2950	RM 2800	RM 2655

ENROLMENT:

STEP 1 - Payment: Select one of the following three payment method.

Method A- Direct Bank- In : Yes, Bank in cash / cheque within 7 day directly to : Maybank Account No: 512343 - 542887 payable to **Dr. Quek & Associates**. Please fill up this section: We have bank in cash / cheque no..... for RM.....onPlease fax this form back with the bank-in slip after making payment.

Method B-Sending cheque : Yes, Enclosed here with Cheque No.....for RM.....payable to **Dr. Quek & Associates**, please Mail / courier a photocopy of this form with payment to us within 7 day.

Method C-Other Payment Method : Yes, if you wish to pay by government LO please send us an official letter.

STEP 2 - Reserve Your Place : Complete this form and fax this registration form to 03 - 5882 1602.

Book Your Place Now By SMS: 012- 710 2620



Ir. Dr. Tew Kia Hui BE (CIVIL), ME (CIVIL), PhD (CIVIL), P.Eng, CPESC.

Dr. Tew obtained his Bachelor and Master's Degree in Civil Engineering in 1994 and 1996 respectively from University Technology of Malaysia. He went on to complete his Ph.D. in University of Malaya in 2005 specializing in geotechnical-erosion aspects. He started his early career as a Research Officer with University Technology of Malaysia and subsequently MARA University of Technology, to carry out specialized research on geotechnical-erosion related problems in environmentally sensitive areas (ESA) particularly the highlands and expressways in Malaysia. He also has gone great depths to carry out in-house and collaborative R&D with local institutions of higher learning as well as related government agencies. His relentless works on his Ph.D. thesis entitled "Development of a near real-time early warning system on erosion risks/hazards" has led to the setting up of a Malaysian public information website, which provides round-the clock free web access on the forecast and real-time early warning on rainfall and erosion risks/hazards in Cameron Highlands, with plans to be extended to other parts of this country in the near future. His invention has been awarded Gold Medals in the University of Malaya Research, Innovation and Invention Expo in 2005 & 2006; IPTA R&D Expo 2005; and Seoul International Invention Fair 2006 respectively. To date, he has more than 60 presented and published research papers; and also authored, co-authored and published 6 technical books. He is a registered Environmental Impact Assessment (EIA) consultant with Department of Environment, Malaysia in the fields of geotechnical studies, soil erosion and general environmental management; a Certified Professional in Erosion and Sediment Control (CPESC); and also a registered Professional Engineer (PE) with Board of Engineers, Malaysia. Presently, he has been appointed as the Vice President (Industrial Networking and Consultancy) of infrastructure university Kuala Lumpur (IUKL).



Ir. Dr. Quek Keng Hong BE (CIVIL), MengSc, PhD (NSW)

If you use MSMA, you probably heard about Dr. Quek. A well known expert on MSMA who has developed numerous applications widely used by engineers around the country. Dr. Quek received all his three degrees from the University of NSW, Australia- a university renowned for its research work in the field of hydrology. The university played a key role in the preparation of the Australian version of MSMA i.e., *the Australian Rainfall and Runoff*. A consulting engineer by practice, he has nearly three decades of experience in urban drainage design and has involved in many major infrastructural projects around the country. An outstanding leader in his field who, despite his busy schedule, still finds time to conduct regular workshops and seminars on MSMA. Dr. Quek was the chairman of the Water Resources Technical Division of IEM for two terms from 2003.

New Requirements on ESCP & Stormwater Management in the Second Edition of MSMA

- Property Development in Environmentally Sensitive Areas.

Target Groups : Engineers, environmental consultants, developers, contractors, town planners, architects and real estate agents.

DATE : November 18 - 20, 2013 (3 days)

TIME : 8.30 AM - 6.00 PM

VENUE : C & S Lecturer Room, IEM, Petaling Jaya.

Accredited by BEM with 18 CPD hours.

KEY TOPICS COVERED:

- ⇒ Strategic Development Layout Planning and Land Conversion.
- ⇒ Geological Terrain Mapping.
- ⇒ Geotechnical and Soil Erosion Assessment.
- ⇒ Erosion Risk Mapping.
- ⇒ Erosion and Sediment Control Planning.
- ⇒ Landslide Hazard Zonation Mapping.
- ⇒ Environmental Impact Assessment.
- ⇒ Drainage and Stormwater Management.
- ⇒ Solid Waste and Wastewater Management.
- ⇒ Environmental Management Planning.
- ⇒ Early Warning System Application.



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SYNOPSIS

Property development in environmentally sensitive areas (ESA), particularly in the highlands and hillslopes, has been mushrooming since 1980s in Malaysia. However, Malaysia has bitter memories of the Highlands Tower landslide tragedy in 1993, and the latest landslide tragedies at Ulu Yam Perdana, Hulu Selangor, Bukit Antarabangsa, Taman Hillview and Setiawangsa where lives were lost and properties damaged.

Such tragedies will certainly persist and worsen unless proper planning and management of land utilization is adopted at the early stage of any proposed property development in these areas.

In these three days we will be looking at various approaches of development control in environmentally sensitive areas. Based on the approaches adopted for development control in these areas, various challenges will be faced, such as limited usage of land due to the nature of the terrain, difficulties in construction and also the management of risks/hazards involved.

With specific approaches taken for development control, it would be beneficial to the industry in moving a step closer towards a better understanding of land development issues and its after-effects in this country, thus ensuring that a more sound and sustainable development could be carried out in future.

KEY BENEFITS OF ATTENDING THE PROGRAM

- ◆ Providing hands-on information on development planning and control in ESA.
- ◆ Understanding of specific requirements so that budget allocation could be provided to secure planning approvals.
- ◆ Equipping property investors with adequate knowledge in selection of the right piece of property for investment in ESA as well as development potential.
- ◆ Equipping property developers with know-how techniques to manage and successfully undertake such developments.
- ◆ Equipping other professionals (i.e. architects, planners, engineers, contractors, risk management insurers) involved in land and property development on development control practices in ESA.
- ◆ Acquiring better planning knowledge in minimizing risks of landslides, soil erosion and flooding issues within ESA.

DAY 1 MONDAY, 18 November 2013.

8:30 am - Session 1/1

INTRODUCTION TO ENVIRONMENTALLY SENSITIVE AREAS (ESA), BY-LAWS AND HISTORY.

- * Overview of the Workshop.
- * New MSMA 2 requirements for Erosion and Sediment Control Plan (ESCP) / Stormwater Management (SWM).
- * What is ESA?
- * Classification and Restriction of Development.
- * Environmental and Engineering By-Laws Relating to Development Control.
- * History of Issues Relating To Development.

10:30 am - Break

10:45 am - (Session 1/2) Development Control Approaches.

DEVELOPMENT CONTROL APPROACHES WITH CASE STUDIES - DRAINAGE AND STORMWATER MANAGEMENT

- * Strategic Development Layout Planning and Land Conversion.
- * Geological Terrain Mapping.
- * Geotechnical and Soil Erosion Assessment.
- * Erosion Risk Mapping.
- * Erosion and Sediment Control Planning.
- * Landslide Hazard Zonation Mapping.
- * Environmental Impact Assessment.
- * Drainage and Stormwater Management.
- * Solid Waste and Wastewater Management.
- * Environmental Management Planning.
- * Early Warning System Application.

1:00 pm - Lunch

2:00 pm - Session 1/3 Mitigation Measures

MITIGATING LANDSLIDES, EROSION AND FLOODING

- * Landslide and Erosion Factors and Tell-Tale Signs.
- * Mitigation Of Landslides and Erosion.
- * Storm Water Management.

3:45 pm - Break

4:00 pm - (Session 1/4) Best Management Practices (BMP)

- * Specifications for slope protection.
- * Best Management Practices on erosion and sediment control.

5:00 pm - Discussion Session.

6:00 pm - End

DAY 2 TUESDAY, 19 November 2013.

8:30 am - (Session 2/1) Practical and Relevant Planning Tools

- * Satellite imageries.
- * Aerial photogrammetric.
- * Survey and spot levels.
- * Geological features and hazards.
- * Site reconnaissance study.

10:30 am - Break

10:45 am - (Session 2/2) Usage and Application of Local Plans.

- * Understanding the local plan.
- * Usage of local plan for development control.
- * Other relevant information.

1:00 pm - Lunch

2:00 pm - (Session 2/3) Case Studies Using Planning Tools

- * SWM Computation.
- * Application of Universal Soil Loss Equation (USLE).
- * Application of erosion risk mapping.
- * Erosion and Sediment Control Plan (ESCP).
- * Google Earth.

3:45 pm - Break

4:00 pm - (Session 2/4) Case Studies Using MSMAware for ESCP/SWM

- * ESCP Software application.
- * SWM Computation using MSMAware application.

6:00 pm - End

DAY 3 WEDNESDAY, 20 November 2013.

8:30 am - (Session 3/1) Practical Case Studies.

UNDERSTANDING DEVELOPMENT CONTROL

- * Layout feasibility.
- * Usable development area.
- * Drainage and erosion control.
- * Landslide hazard and buffer zones.
- * Development practicability.
- * Investment potential.

10:30 am - Break

10:45 am - (Session 3/2) Practical Case Study 1 (ESCP)

1:00 pm - Lunch

2:00 pm - (Session 3/3) Practical Case Study 2 (SWM)

3:45 pm - Break

4:00 pm - (Session 3/4) Discussion

5:00 pm - Summary

6:00 pm - End