

Chairman,  
Geotechnical Engineering Technical Division,  
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## REGISTRATION FORM

One-Day Workshop on  
Cone Penetration Testing (CPTu) in Geotechnical Practice  
Date : 7 August 2023 (Monday)

No	Name(s)	M'ship No.	Grade	Fee (RM)*
SUB TOTAL				
ADD SST @6%				
Total Payable				

\*Fees MUST be fully paid BEFORE the CLOSING DATE. Seats could only be confirmed upon payment. Enclosed herewith a crossed cheque No: \_\_\_\_\_ for the sum of RM \_\_\_\_\_ issued in favour of "The Institution of Engineers, Malaysia" and crossed 'A/C payee only'. I/We understand that the fee is not refundable if I/We withdraw after my/our application is accepted by the Organising Committee as stated in the cancellation term. If I/We fail to attend the seminar, the paid registration fee will not be refunded.

Contact Person: \_\_\_\_\_ Designation: \_\_\_\_\_

Name of Organization: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone No.: \_\_\_\_\_ (O) \_\_\_\_\_ (Fax)

\_\_\_\_\_ (H) \_\_\_\_\_ (HP)

Email: \_\_\_\_\_

Signature & Stamp

Date

Photocopies are acceptable

**CLOSING DATE: 2<sup>nd</sup> August 2023**

### CANCELLATION POLICY

IEM reserves the right to postpone, reschedule, allocate or cancel the course. Full refund if cancellation is received in writing more than 7 days before start date of the event. No cancellation will be accepted prior to the date of the event. However, replacement or substitute may be made at any time with prior notification and substitute will be charged according to membership status.



# One-Day Workshop on Cone Penetration Testing (CPTu) in Geotechnical Practice (Hybrid Event)

JOINTLY ORGANISED BY:  
Geotechnical Engineering Technical Division,  
The Institution of Engineers, Malaysia (IEM GETD), Malaysia Geotechnical Society (MGS), University Tun Hussein Onn Malaysia, Johor, Malaysia & The Malaysian Site Investigators Association (MSIA)

**Speakers: Mr. Ross Quaite William, Prof. Dr. Paulus P. Rahardjo, Ir. Yee Thien Seng, Ir. Liew Shaw Shong**  
**7<sup>th</sup> August 2023 (Monday)**  
**9.00 am – 6.00 pm**  
**Venue: Geomil Asia Sdn Bhd**

CPD & REF NUMBER: BEM/IEM Approved CPD: 7 Ref. No.: IEM23/HQ/265/W(h)

### COMMITMENT FEES (SUBJECT TO 6% SST & NON-REFUNDABLE)

	Physical Participation (8.45 am to 6.00 pm)	Online Participation (8.45 am to 1.00 pm)
IEM / MGS / MSIA Member	RM250.00	RM125.00
Non-IEM / MGS / MSIA Member	RM 350.00	RM 240.00

Supported by: **Geomil**  
asia sdn bhd

## SYNOPSIS

The Cone Penetration Test (CPTu) is fast becoming a primary in-situ test for soils. This 1-Day workshop will describe the test equipment, procedures, data collection and Calibration guidance of the CPT for typical geotechnical applications. The workshop materials include a copy of the Practical Use of Cone Penetration Testing (CPT) Equipment with focus on Geomil Technology.

## PROGRAMME

Time	Activity & Topic	Speaker
8.00 am - 8.45 am	Registration & Morning Coffee	
8.45 am - 9.00 am	Opening Address	
9.00 am - 10.00 am	History & Role of CPT; Equipment & Procedures	Mr. Ross Quaite William
10:00 am - 10:45 am	CPTu, Interpretation and Application for Engineering Practice by Case Studies	Prof Dr. Paulus P. Rahadjo
10.45 am - 11.00 am	Coffee Break	
11.00 am - 11.45 am	CPTu Application: Determination of Soft Clay Pre-Consolidation Pressure by CPTu	Ir. Yee Thien Seng
11.45 pm - 12.30 pm	Wish List of Adopting AI with Machine Learning in CPTu Data Acquisition, Data Processing and Interpretation for Geotechnical Applications	Ir. Liew Shaw Shong
12.30 pm - 1.00 pm	Q&A	
1.00 pm - 2.00 pm	Lunch	
2.00 pm - 3.30 pm	Calibration Laboratory Visit	Training by Mr. Yoong Kien Khong (Assisted by Mr. Mahendran)
3.30 pm - 3.45 pm	Coffee Break	
3.45 pm - 5.15 pm	Demonstration of CPT Testing	Training by Ir. Lim Keh Seng (Assisted by Mr. Fairuz)
5.15 pm - 5.45 pm	Q&A	
5.45 pm – 6.00 pm	Appreciation to Speakers, Photo Session & Closure	

### PERSONAL DATA PROTECTION ACT

I have read and understood the IEM's Personal Data Protection Notice published on IEM's website at <http://www.myiem.org.my> and I agree to IEM's use and processing of my personal data as set out in the said notice.

"IEM reserves the right to alter or cancel the programme due to unforeseen circumstances at its discretion'. For intending participants who choose to 'walk in without prior registration', IEM SHALL NOT be responsible for any direct or consequential losses".

## BIODATA OF SPEAKER

**Mr. Ross Quaite William** is currently the Regional Manager for Asia-Pacific of Geomil Equipment BV (Netherlands). Graduated from University of Birmingham in M.Eng. Mechanical Engineering with Honours in 2013. Mr Ross has been working on customised crane design projects across South East Asia, producing design calculations, 3D models and manufacturing drawings using Autodesk Inventor. Supported a transition to designing in 3D within the company, developing a modelling and drafting standard for use across the team. In addition to supporting the design teams' use of Product Lifecycle Management Software (Teamcenter) to generate Bills of Materials and etc.

**Prof. Dr. Paulus P. Rahadjo** is a Head of Geotechnical Research Centre at Universitas Katolik Parahyangan, Indonesia (Unpar). He pursued graduate study in highway engineering at Bandung Institute of Technology (ITB), then Master's Degree and Ph.D degree from Virginia Tech (USA). He has been actively engaged in teaching, research as well as hundreds of geotechnical consultancies. He works for design and advising clients on many geotechnical problems including building foundations, highways, tunnels, bridges, jetties and wharfs, dams, coal minings etc. among his specialties with intense experience in research and practice are in the field of insitu testing and landslides or slope protection.

**Ir. Yee Thien Seng** graduated in civil engineering from the University of Malaya in 1978 and has over the years worked on projects largely involving heavy plant and building foundations as well as large infrastructures. He had also carried out numerous works on distress evaluations and rehabilitation engineering. In 1994, Ir. Yee set up his own practice, Geo.Consult, to support the construction industry with both expert and specialist advice; in particular on geotechnical engineering aspects. His participation in recent projects of significance are the Kuching Deep Water Port, Shah Alam Expressway, North-South Expressway, Kuantan Port Inner Harbour Development, Kuantan-Kerteh Railway and the Rawang-Ipoh Double Tracking Railway. He is also a non-active partner at ICON Consulting Engineers Sdn. Bhd. He has authored/co-authored more than a dozen technical papers in local and international conferences. Ir. Yee is an expert witness and accredited checker registered with the Board of Engineers Malaysia for the design of geotechnical engineering works. Ir. Yee was the Chairman of the Geotechnical Engineering Technical Division of The Institution of Engineers, Malaysia (IEM) for Session 2016/2017.

**Ir. Liew Shaw Shong** obtained his Bachelor of Science Degree in Civil Engineering with First Class Honours from National Taiwan University at Taipei in 1991 and worked as a geotechnical engineer in Sino Geotechnology Inc. at Taipei for a year. In 1992, he continued his post-graduate study in University of New South Wales in Sydney, Australia and obtained his Master of Engineering Science in 1993. He then returned to Malaysia to work as geotechnical engineer in a multi-discipline engineering consultant firm. Ir. Liew was the past chairman of Geotechnical Engineering Technical Division of the Institution of Engineers, Malaysia (IEM) for Session 2010 to 2013 and is also the retired advisor of Geotechnical Engineering Technical Division of the Institution of Engineers, Malaysia (IEM) for Session 2014 to 2016. He was the President of Malaysian Geotechnical Society (MGS) for Session 2019 to 2021 and Immediate Past President for Session 2021 to 2022. He is Nominated Member of TC221- Tailing and Mine Wastes of International Society for Soil Mechanic and Geotechnical Engineering (ISSMGE) for Session 2021 and Committee Member of Malaysian National Committee on Large Dam (MYCOLD). He is now also the member of Professional Fellow Member, Engineers Australia (EA). He has published more than 70 technical papers on geotechnical engineering in local and overseas conferences and seminars. In 2005 & 2022, he won twice the Ir. Tan Sri Hj. Yusoff Prize for the best IEM Technical Paper Award.

- For **ONLINE REGISTRATIONS**, only **ONLINE PAYMENT** is applicable [via RHB and Maybank2u –Personal Saving & Personal Current; Credit Card - Visa/Master].
- Payment via **CASH / CHEQUE / BANK-IN TRANSMISSION / BANK DRAFT / MONEY ORDER / POSTAL ORDER / LO / WALK -IN** will be considered as **NORMAL REGISTRATION**.
- **FULL PAYMENT** must be settled before commencement of the course, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participants fail to attend the course, the fee is to be settled in full.
- Fee paid is not refundable. Registration fee includes lecture notes, refreshment.
- The Organizing Committee reserves the right to cancel, alter, or change the program due to unforeseen circumstances. Every effort will be made to inform the registered participants of any changes. In view of the limited places available, intending participants are advised to send their registrations as early as possible so as to avoid disappointment.

