

**REGISTRATION FORM**  
**ONE DAY SHORT COURSE ON**  
**CONE PENETRATION TEST**

**Tuesday, 9<sup>th</sup> April 2019**

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Name of Organisation: \_\_\_\_\_

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

E-mail: \_\_\_\_\_

Mobile: \_\_\_\_\_ Tel(O): \_\_\_\_\_ Fax: \_\_\_\_\_

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

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

I / We\* wish to enrol the following person(s) for the above-mentioned Course. Details are as follows:

Name(s)	Membership No. & Grade	Fees (RM)
	6 % SST	
	Sub Total:	
	Total Amount Payable:	

**PAYMENT DETAILS**

Enclosed herewith:

Cash (RM \_\_\_\_\_)

Cheque no. \_\_\_\_\_ for the amount of RM \_\_\_\_\_  
 (non-refundable) and made payable to "THE INSTITUTION OF ENGINEERS, MALAYSIA"  
 account and crossed 'A/C Payee Only'.

**I/We\* understand that the fee is not refundable if I/We withdraw after my/our\* application is/are\* accepted by the Organising Committee but substitution of participant will be allowed. If I/We\* fail to attend the Course, I/We will still pay the registration.**

**Terms & Conditions**

- For ONLINE REGISTRATIONS, only ONLINE PAYMENT is applicable [via Credit Card]
- Payment via CASH / CHEQUE / BANK-IN TRANSMISSION / BANK DRAFT / MONEY ORDER / POSTAL ORDER / LO / WALK -IN will be considered as NORMAL REGISTRATION
- For online registrations, please note that **payment MUST be made before the closing date** at the latest.
- If payment is not received and verified within the stipulated time, the registration fee will be reverted to the normal registration fee.
- **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. If the participant failed to attend the course, the fee paid is non refundable. Registration fee includes lecture notes, refreshment and lunches.
- The Organising 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.

**Cancellation Policy**

**IEM reserves the right to postpone, reschedule, relocate or cancel the Course. Cancellation of registration will not be entertained; however, replacement or substitute can be made at least 3 days prior to the event date (additional fees may be applied if grade of member is different from the initially registered grade).**



Organised by:  
 Geotechnical Engineering Technical Division,  
 The Institution of Engineers, Malaysia

**ONE DAY SHORT COURSE ON**  
**CONE PENETRATION TEST**

Date/Day: 9<sup>th</sup> April 2019, Tuesday

Time: 8.30am – 6.30pm

**Presenters:**

**Tom Lunne, Dr. John Powell & Ir. Liew Shaw Shong**

**Venue**

**Four Points by Sheraton Puchong**

**REGISTRATION FEE (SUBJECT TO 6% SST):**

Grade	Normal Fee (by fax & email) Payment by cash, credit card and bank-in	Online IEM Registration with Payment Fee (Log-in for registration & payment: <a href="http://www.myiem.org.my/member/login.aspx">www.myiem.org.my/member/login.aspx</a> )
IEM Student Member	RM 250.00	RM 200.00
IEM Member	RM 400.00	RM 350.00
Non-IEM Member	RM 800.00	RM 700.00

**(Closing Date: 31<sup>st</sup> March 2019)**

**BEM APPROVED CPD/PDP: 7.5 HOURS**

**REF. NO.: IEM18/HQ/014/C**

## SYNOPSIS

The Cone Penetrometer Test (CPT) has become the geotechnical industry's preferred in-situ site investigation testing system for most soil conditions both on land and overwater. This one day short course covers data acquisition and processing procedures, and most importantly, data quality assessments. The main emphasis is on the interpretations of the CPT results for typical geotechnical applications. The book entitled "Cone Penetration Testing in Geotechnical Practice" will be the primary reference for the short course.

This short course is tailored to provide geotechnical practitioners with the necessary training to specify, manage, interpret and the necessary quality control for CPT in soil investigations. The short course discusses the equipment, test procedures and data processing. Guidance is given on interpretation of CPT data in terms of soil parameters for a range of soil types. The short course is based on updated materials previously presented in a number of countries, and has been applauded as providing the most thorough and informed publically available guidance on the subject. Local case studies are also included in this short course, from the perspective of onshore and offshore applications.

## BIODATA OF SPEAKERS



**Tom Lunne** is a technical expert at the Norwegian Geotechnical Institute (NGI) and a world leading expert in Cone Penetration Testing. Mr. Lunne graduated from Heriot-Watt University in Edinburgh (1970), Scotland. After 5 years at NGI he spent one year at University of California, Berkeley to obtain his MSc before going back to NGI. Mr. Lunne's main technical interests has centered around characterisation of offshore soils through sampling, laboratory testing and in situ testing. He has conducted a large number of consulting and R&D projects in this field. He is a nominated member of the TC102 on In-Situ Testing of the International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE). He has published in numerous distinguished publications, keynote lectures, and professional journals. He is also the lead author of the well known book: Cone Penetration Testing in Engineering Practice, together with Peter Robertson, and John Powell. He has taken part in preparing International Standards (ISO) on the CPT and offshore soil investigations and also delivering courses in many countries.



**Dr. John Powell** is currently the Technical Director of Geolabs Limited as well acting as an Associate at Building Research Establishment Ltd (BRE) and undertaking private consultancy. John graduated from Imperial College London (1972), where he went on to also obtain his MSc(Eng) (1974) and DSc(Eng) from London University and is also a Fellow of the Institution of Civil Engineers in the UK. John spent much of his career at BRE where he was responsible for their research and consultancy related to the evaluation and assessment of ground properties and their use in geotechnical design. The topics have been extensive and at the forefront of understanding; examples include studies on the use and development of in-situ and laboratory testing, sampling and sample quality, semi empirical design of foundations from in situ tests, advances in piling, the monitoring and

back analysis of full-scale foundation behaviour and the re-use of foundations. At Geolabs, he is developing further the areas of advanced testing of soils and rocks for both on land and offshore applications as well as managing and developing in-house and collaborative research. Throughout his work, both at Geolabs and BRE, the topic of ensuring the quality of testing and derived geotechnical parameters from field and laboratory tests has been high on his agenda. He is a member of and chairs UK, EC and International Technical and Standards Committees. He has authored many papers and is a co-author of the book 'Cone Penetration Testing in Geotechnical Practice' with Tom Lunne and Peter Robertson.



**Ir. Liew Shaw Shong** obtained his Bachelor of Science Degree in Civil Engineering with First Class Honours from National Taiwan University in Taipei in 1991 and worked as a geotechnical engineer in Sino Geotechnology Inc. in Taipei for a year. In 1992, he continued his post-graduate study at the University of New South Wales in Sydney, Australia where he obtained his Master of Engineering Science in 1993. He then returned to Malaysia to work as geotechnical engineer in a multi-discipline engineering consulting firm. In 1999, he jointly established a geotechnical specialist consulting firm with another two partners to continue the consultancy practice till now. He is now a senior director and founder of G&P Geotechnics Sdn Bhd. In the past twenty six years of his professional career, he has involved in numbers of forensic investigations of landslide problems at mountainous roads. Ir. Liew was the past chairman (for Sessions 2010 to 2013) and the advisor (for Session 2014 to 2015) of Geotechnical Engineering Technical Division of the Institution of Engineers, Malaysia (IEM), and also presently the deputy president of Malaysian Geotechnical Society. He is a committee member of Asian Regional Technical Committee (ATC6): "Urban GeoEngineering" under International Society of Soil Mechanics and Geotechnical Engineering (ISSMGE) since 2014.

Supported by:

**Joehan Rohani** obtained his Bachelor of Engineering in Civil Engineering from Queensland University of Technology, Australia in 1996 and Master of Science from University of Warwick, UK in 2006. He has extensive experience in offshore geotechnical engineering as well as offshore structures. He has over 20 years of experience and has lead both Geotechnical and Structural Engineering consultancy and projects both locally and internationally. Besides consultancy projects, he has been involved in various research projects in the area of pile ageing, remoulded soil properties, improved lateral soils, predictive analytics etc. Joehan Rohani has published in various international and local conferences and also involved in reviewing international journals and conference papers. He is a working member in the ISO Marine Soil Investigation, API-ISO WG10-Foundations and in SIRIM.

## PROGRAMME

8:30am	-	8:50am	Registration
8:50am	-	9:00am	Opening Address
9:00am	-	9:40am	Session 1: Introduction, CPT data processing, corrections and accuracy, available Standards and data quality by <b>Tom Lunne</b>
9:40am	-	10:20am	Session 2: CPT interpretations on soil layering, soil identification with examples by <b>Dr. John Powell</b>
10:20am	-	10:40am	Coffee/Tea Break
10:40am	-	11:25am	Session 3: CPT interpretations on clay by <b>Dr. John Powell</b>
11:25am	-	12:15pm	Session 4: CPT interpretations on sands and other soils by <b>Tom Lunne</b>
12:15pm	-	12:30pm	Q & A Session
12:30pm	-	2:00pm	Lunch
2:00pm	-	3:00pm	Session 5: Case Study from onshore applications by <b>Ir. Liew Shaw Shong</b>
3:00pm	-	4:00pm	Session 6: Case study from offshore applications by <b>Joehan Rohani</b>
4:00pm	-	4:20pm	Coffee/Tea Break
4:20pm	-	4:55pm	Session 7: Direct application of CPT for design and practical examples by <b>Tom Lunne</b>
4:55pm	-	5:30pm	Session 8: Other add-on sensors by <b>Dr. John Powell</b>
5:30pm	-	6:00pm	Session 9: Demonstration of equipment by <b>William Bond</b>
6:00pm	-	6:30pm	Q & A Session
6:30pm			Closure