

Chairman,  
Geotechnical Engineering Technical Division,  
The Institution of Engineers Malaysia,  
Lots 60 & 62, Jalan 52/4, P.O. Box 223 (Jalan Sultan),  
46720 Petaling Jaya, Selangor Darul Ehsan  
Tel: 03-7968 4001/2 Fax to 03-7957 7678 (Email : [sitiaisyah@iem.org.my](mailto:sitiaisyah@iem.org.my))



## REGISTRATION FORM

### One Day Short Course On Recent Developments in Soft Soil Improvement Methods Date : 17 October 2022 (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 can 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: 12 OCTOBER 2022**

"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".



# One Day Short Course On Recent Developments in Soft Soil Improvement Methods

(In conjunction with GEESS2021)

ORGANISED BY:  
GEOTECHNICAL ENGINEERING TECHNICAL DIVISION, THE  
INSTITUTION OF ENGINEERS, MALAYSIA (IEM GETD)

Supported & Managed by: IEM Academy Sdn Bhd

**Speaker: Prof. Chu Jian**  
**17 October 2022 (Monday)**  
**9.00 am – 5.30 pm**  
**Malakoff Auditorium**  
**Ground Floor, Wisma IEM, Petaling Jaya**

**BEM/IEM Approved CPD: 6 Ref. No.: IEM20/HQ/204/S**

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

	ONLINE	NORMAL
IEM Student Member	RM200.00	RM250.00
IEM Member	RM350.00	RM400.00
Non-IEM Member	RM 700.00	RM800.00

### 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.

## SYNOPSIS

This course will cover the following topics:

- 1) A brief update on the recent developments in various soft soil improvement methods will be given. These include different preloading methods, deep cement mixing methods and the use of geosynthetics and columns.
- 2) Latest methods with the design and use of prefabricated vertical drains (PVDs) and fill surcharge will be presented. Specific issues and considerations related to the selection of PVDs, design methods, design parameters, construction methods, smear effect and quality control tests for PVDs will be discussed. Other topics such as instrumentations, consolidation settlement calculation and prediction using field monitoring data will also be covered. Case histories on use of PVDs and preloading for soil improvement projects will be presented.
- 3) The latest development in vacuum preloading methods will be introduced. The advantages and disadvantages of each method will be highlighted. Technical issues such as mechanisms of vacuum preloading and dewatering, instrumentations, improvement depth, vacuum pressure distribution in soil, and methods for evaluating the degree of consolidation will be discussed. Methods for assessing the effectiveness of vacuum preloading methods will be introduced. Case histories on the use of vacuum preloading for soft soil improvement projects will be presented.
- 4) Different methods for construction on very soft ground will be introduced. In particular, methods for the formation of a working platform on very soft ground will be presented. The use of column supported load transfer platform and different types of columns will also be introduced with examples.
- 5) Methods for the evaluation of the undrained shear strength of soft soil and its variation with pore pressure changes will be discussed.
- 6) A few methods of using soft or excavated soil for land reclamation will be presented.

- 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.

## PROGRAMME

8.15 am	-	9.00 am	Registration
9.00 am	-	9.05 am	Opening Remarks
9.05 am	-	10.00 am	Update on various soft soil improvement methods
10.00 am	-	10.30 pm	PVDs and preloading methods
10.30 am	-	10.50 am	Tea Break
10.50 am	-	12.15 pm	PVDs and preloading methods (cont'd)
12.15 pm	-	1.00 pm	Lunch
1.30 pm	-	3.00 pm	Vacuum preloading methods
3.00 pm	-	3.20 pm	Tea break
3.20 pm	-	5.10 pm	Construction methods on very soft ground. Land reclamation using soft soils
5.10 pm	-	5.30 pm	Questions and Discussions
5.30 pm			Closure

## BIODATA OF SPEAKER

**Professor Chu Jian** is the Chair of School of Civil and Environmental Engineering and the Director of the Centre for Urban Solutions at Nanyang Technological University (NTU) in Singapore. He also worked for Iowa State University, USA, as professor and James M. Hoover Chair in Geotechnical Engineering from 2011 to 2014. Currently, Prof Chu is the President of the Geotechnical Society of Singapore and the Chair for ISSMGE Technical Committee TC217 on Land Reclamation. His other involvements include being a Committee Member for ISSMGE Technical Committees TC211 on Ground Improvement and chair for ISSMGE Technical Committee TC39 on Geotechnical Engineering for Disaster Mitigation and Rehabilitation from 2005 to 2009. Prof Chu has delivered over 60 keynote or invited lectures at international conferences. He is an editor for a high impact geotechnical journal and associate editor or editorial board member for other 8 international journals. As a consultant, Prof Chu has also involved in several large scale construction projects in Singapore or overseas. He received the R. M. Quigley Award from the Canadian Geotechnical Society in 2004 and the Outstanding Geotechnical Engineer Award from the Geotechnical Society of Singapore in 2018 among other honours.

### 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.

Chairman,  
 Geotechnical Engineering Technical Division,  
 The Institution of Engineers Malaysia,  
 Lots 60 & 62, Jalan 52/4, P.O. Box 223 (Jalan Sultan),  
 46720 Petaling Jaya, Selangor Darul Ehsan  
 Tel: 03-7968 4001/2 Fax to 03-7957 7678 (Email : [sitiaisyah@iem.org.my](mailto:sitiaisyah@iem.org.my) / [iemacademy2@gmail.com](mailto:iemacademy2@gmail.com))



## ADVERTISEMENT RATE

Tick (√)	Location	Advertisement Rate *	Amount (MYR)
	Full Page of the E- Proceeding (Colour)	MYR2,120	
		<b>TOTAL:</b>	

\* inclusive of SST at prevailing 6%.

[Advertisement artwork must be accompanied with payment before printing of course notes]

Dear Organising Chairman,

We wish to confirm as indicated below and enclose herewith our cheque no. \_\_\_\_\_ for the sum of MYR \_\_\_\_\_ (non-refundable) made payable to **THE INSTITUTION OF ENGINEERS, MALAYSIA.**

## SPONSORSHIP

Amount	Entitlements	Amount (MYR)
MYRM5,300	Acknowledgement in the E-Proceeding & complimentary of 2 pax of registrations	
	<b>TOTAL:</b>	

## CONTACT INFORMATION (FOR INVOICE AND PAYMENT PURPOSES)

Contact Person:			
Organisation:			
Position:			
Email Address:			
Mailing Address:			
Contact No.:	Office		Mobile

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

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

Company Stamp:

