



**IEM ACADEMY SDN BHD** 1016575-D  
 GST ID No. 002028294144 SST REG. NO. B16-1901-32000008  
 (Wholly owned subsidiary of The Institution of Engineers, Malaysia)  
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## INTERNATIONAL SYMPOSIUM ON PRACTICAL APPLICATIONS OF GROUND ENGINEERING FOR EMBANKMENTS ON SOFT SOILS, 2021

# GEES2021

JOINTLY ORGANISED BY:  
 GEOTECHNICAL ENGINEERING TECHNICAL DIVISION, THE INSTITUTION OF ENGINEERS, MALAYSIA (IEM GETD) & IEM ACADEMY SDN BHD

EVENT MANAGED BY: IEM ACADEMY SDN BHD

EVENT DATE:  
 23 – 25 MARCH 2021  
*(rescheduled from 1-3 December 2020)*

TIME: 08.00 AM – 06.00 PM

VENUE:  
 DORSETT GRAND SUBANG, SUBANG JAYA, SELANGOR, MALAYSIA

Ref. No: IEM/21/xxx/S, with CPD Hours approved: Pending

SUPPORTED BY:  
 LEMBAGA LEBUHRAYA MALAYSIA (LLM)  
 PLUS MALAYSIA BERHAD



### ORGANISING COMMITTEE

<b>Chairman</b>	:	Ir. Dr Ooi Teik Aun
<b>Co-Chairman</b>	:	Ir. Sin Peng Tean
<b>Secretary</b>	:	Ir. Yee Thien Seng
<b>Treasurer</b>	:	Ir. Kenny Yee Kwong Sing
<b>Editors</b>	:	Ir. Yee Thien Seng
	:	Ir. Dr Ooi Teik Aun
<b>Committee Members</b>	:	Ir. Balakrishnan s/o Etty Gaunder
	:	Ir. Lee Peir Tien
	:	Ir. Dr Mohd Farid Hj. Ahmad
	:	Ir. Abdul Hadi bin Abdul Aziz
	:	Ir. Dr Soo Kian Sin
	:	Ir. Som Pong a/l Pichan
	:	Dr Ismacahyadi Bagus Mohd Jais
	:	Mr. Loh Wooi Chuan
	:	Mr. Richard Ong Tiam Hwa
	:	Mr. Mike Dobie
	:	Cik Rohaya Abdullah
<b>IEMASB Symposium Secretariat</b>	:	Nurul Aida Mustafa
<b>IEM GETD Secretariat</b>	:	Siti Aisyah Saie

# INTRODUCTION

The Trial Embankments Malaysia programme was initiated in 1987 by Lembaga Lebuhraya Malaysia and it comprised fully instrumented full scale prototype embankment trials involving 14 different ground engineering techniques. The results of this trial programme were presented at the International Symposium on Trial Embankments on Malaysian Marine Clays in Kuala Lumpur on 6 to 8 November 1989.

The Geotechnical Engineering Technical Division of The Institution of Engineers, Malaysia (IEM GETD) is hosting the Symposium on Practical Applications of Ground Engineering for Embankments on Soft Soils and Exhibitions, in conjunction with the 31<sup>st</sup> Anniversary of the Trial Embankments Malaysia (TEM) at Muar, in Kuala Lumpur.

The Symposium will help delegates understand the technologies and techniques for soft soil engineering necessary for satisfactory construction of embankments (or earthworks), especially to support high speed transportation facilities, over soft foundation soils comprising:

- (a) Science and soil mechanics for soft soil engineering
- (b) Issues concerning engineering, construction and performance
- (c) Design and applications of ground engineering techniques and innovations for embankments on soft soils
- (d) Best practice in construction techniques and sustainable ground engineering of soft soils
- (e) Case studies on performance and behaviour of constructed works
- (f) Maintenance and rehabilitation of facilities constructed over soft soils
- (g) Challenges of long term maintenance of instrumentation and settlement prediction techniques
- (h) Other related geotechnical soft ground engineering

The Symposium aims at promoting the sharing of scientific knowledge, experience, skills, ideas and achievements in the designing, financing and contracting as well as construction, operation and maintenance and the rehabilitation of embankments for high speed transportation facilities amongst the ASEAN and other countries on an organised basis and with structured aims.

The Symposium shall also present the latest update on monitoring measurement data and behaviour of various surviving schemes that are maintained at the 33 years old world famous TEM program. Interested authors are invited to submit Abstracts and Papers.

# SUBMISSION OF ABSTRACT & PAPERS

The Symposium theme is **PRACTICAL APPLICATIONS OF GROUND ENGINEERING FOR EMBANKMENTS ON SOFT SOILS**.

The Organising Committee on GEEMSS2021 cordially invites you to submit abstract(s) of not more than 200 words for the Symposium by email to: [manager@iemasb.com](mailto:manager@iemasb.com)

The Symposium covers a broad range of themes related to geotechnical engineering, including but not, limited to:

- (a) Geotechnical engineering
- (b) Ground engineering
- (c) Embankments on soft soils
- (d) Others are also welcomed.

The Symposium language written and spoken shall be in English.

## IMPORTANT DATES :

<b>Submission of Abstracts</b>	15 October 2019
<b>Closing date for submission of Abstracts</b>	31 December 2019
<b>Notification to authors on acceptance of Abstract</b>	15 January 2020
<b>Deadline for full paper submission</b>	15 August 2020
<b>Notification of acceptance of full paper</b>	15 October 2020
<b>Deadline for submission of camera-ready papers</b>	15 December 2020

# TENTATIVE SYMPOSIUM CONTENTS

## DAY 1:

- (a) Soft soil engineering for high speed transportation embankments including highways, high speed rails and airport runways and its infrastructure.
- (b) Infrastructures constructed on soft ground often encounter settlement problems that impaired their serviceability. A case in point is the KLIA2 runway, taxiway and parking apron settlement nightmares.
- (c) The lessons learnt from the TEM in Muar must have been forgotten although the international scale conference was held in 1989 in Subang Jaya with great enthusiasm.
- (d) The case of TEM in Muar has been quoted frequently by experts in their works for embankment on soft clay.

Young engineers should be interested to know about the behaviour of embankment on soft clay; particularly the marine clay of coastal areas like Muar as well as to gain exposure on effective ground engineering techniques available to ensure satisfactory post-construction performance.

## DAY 2:

- (a) Settlement predictions for scheme 3/2 and 6/6 on June 2020. (Delegates interested to make predictions shall be provided with settlement monitoring data between September 1989 and August 1991 for the 2 schemes).
- (b) Trial Embankment Malaysia (TEM) in Muar; a 33rd Anniversary update.
- (c) Case histories of embankments from the TEM in Muar.

Long term behaviour of High Speed Transportation infrastructures on soft clay.

## DAY 3:

- (a) Technical Visit to TEM Site.

Limited to the first 120 paid participants on first-come first-serve basis.

## TENTATIVE SYMPOSIUM PROGRAMME

**GEESS2021 @ Selangor Ballroom, Dorsett Grand Subang,  
Subang Jaya, Selangor, Malaysia**

<b>MONDAY, 22 MARCH 2021</b>	Time / Venue	Melati Room @ Mezzanine Floor		
	18:00 - 20:00	Registration		
	Time / Venue	Foyer of Selangor Ballroom		
	After 22:00	Setting-up of Exhibition Booths		
<b>TUESDAY, 23 MARCH 2021</b>	Time / Venue	Selangor Ballroom		
	07:30 - 08:30	Registration		
	08:30 - 09:00	Opening Ceremony		
	09:00 - 09:45	Opening Keynote Lecture by Prof. Charles WW Ng, <i>President of International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE)</i>		
	09:45 - 10:30	Mustafa Ahmad Memorial Lecture by YBhg. Dato Ir. Mohd Shuhaimi bin Hassan, <i>Director General, Malaysian Highway Authority</i>		
	10:30 - 11:00	Morning Coffee / Tea Break		
	11:00 - 11:45	Keynote Lecture 1 by Prof. Chu Jian		
	11:45 - 12:15	Keynote Lecture 2		
	12:15 - 12:45	Special Lecture 1		
	12:45 - 13:45	Lunch		
	13:45 - 14:15	Special Lecture 2		
	14:15 - 14:45	Special Lecture 3		
	14:45 - 15:30	1) 2) 3)	Technical Papers (15 minutes each)	
	15:30 - 16:00	Afternoon Coffee / Tea Break		
	16:00 - 18:00	4) 5) 6) 7) 8) 9) 10) 11)	Technical Papers (15 minutes each)	
		END OF DAY 1 SYMPOSIUM		

## TENTATIVE SYMPOSIUM PROGRAMME

**GEESS2021 @ Selangor Ballroom, Dorsett Grand Subang,  
Subang Jaya, Selangor, Malaysia**

<b>WEDNESDAY, 24 MARCH 2021</b>	Time / Venue	Selangor Ballroom		
	08:00 - 08:30	Registration		
	08:30 - 09:15	Keynote Lecture 3 by Emeritus Prof. Dennes T. Bergado		
	09:15 - 10:00	Keynote Lecture 4 by Lei FANG		
	10:00 - 10:30	Keynote Lecture 5 by Mr. Mike Dobie		
	10:30 - 11:00	Morning Coffee / Tea Break		
	11:00 - 11:30	Special Lecture 4		
	11:30 - 12:00	Special Lecture 5		
	12:00 - 12:30	Special Lecture 6		
	12:30 - 13:30	Lunch		
	13.30 - 14.00	Special Lecture 7		
	14:00 - 15:30	12) 13) 14) 15) 16) 17)	Technical Papers (15 minutes each)	
	15:30 - 16:00	Afternoon Coffee / Tea Break		
	16:00 - 17:45	18) 19) 20) 21) 22)	Technical Papers (15 minutes each)	
	17:45 - 18:00	Closing Ceremony		

## TENTATIVE TECHNICAL SITE VISIT PROGRAMME

<b>THURSDAY, 25 MARCH 2021</b>	Time / Venue	Selangor Ballroom	
	08:00 - 08:30	Registration	
	08:30 - 10:00	Departure for the Technical Site Visit	
	10:00 - 13:00	Briefing and Technical Site Visit	
	12:45 - 13:45	Lunch	
	13:00 - 15:30	End of Technical Site Visit	

# REGISTRATION

Category	Registration Fees (Ringgit Malaysia) <i>(All fees inclusive of 6% SST)</i>			
	Normal Registration <i>(submission before 23 March 2021)</i>		Walk-in Registration <i>(submission after 23 March 2021)</i>	
Participants	Online (RM)	Manual (RM)	Online (RM)	Manual (RM)
IEM Student & Local Student	636.00	689.00	848.00	901.00
Overseas Student	1,060.00	1,113.00	1,484.00	1,537.00
Presenting Author(s) / Co-Author(s)	1,060.00	1,113.00	1,484.00	1,537.00
IEM Member <i>(with valid IEM membership)</i>	1,272.00	1,325.00	1,908.00	1,961.00
Non-IEM Member	1,908.00	1,961.00	2,597.00	2,747.00
Technical Site Visit*	424.00	474.00	530.00	580.00

\* Not entitled to attend the Symposium, or receive any Symposium booklet, USB pendrive and bag.

## CANCELLATION POLICY

IEMASB reserves the right to postpone, reschedule, allocate or cancel the event. Full refund less 30% if cancellation is received in writing more than 30 working days before the commencement of event date. No cancellation will be accepted prior or 7 working day to the date of the event. However, replacement or substitute may be made.

## TERMS & CONDITIONS

- We wish to remind that all registration fees must be FULLY paid before commencement of the course. IEM Academy Sdn. Bhd. reserves the right to refuse entry for participant(s) who have not paid their registration fees to event. THIS REQUIREMENT WILL BE STRICTLY ENFORCED.
- 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 event, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participants fail to attend the event, the fee is to be settled in full.
- Fee paid is not refundable. Registration fee includes lecture notes, refreshment.
- IEM Academy Sdn Bhd 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.

## REGISTRATION PAYMENT FORM

INTERNATIONAL SYMPOSIUM ON PRACTICAL APPLICATIONS OF  
GROUND ENGINEERING FOR EMBANKMENTS ON SOFT SOILS, 2021

23 – 25 MARCH 2021

DORSETT GRAND SUBANG, SUBANG JAYA, SELANGOR, MALAYSIA

Name(s)	Mobile No.	Membership No. / Grade	Amount (RM)	Contribution to Prediction (√) or (X)
<i>(ALL FEES INCLUSIVE OF 6% SST)</i>		<b>Total Amount Payable:</b>		

## Information and Instructions for Settlement Predictions at the International Symposium on Practical Applications of Ground Engineering for Embankments on Soft Soils, 2021 (GEESS2021) Introduction

The International Symposium on Practical Applications of Ground Engineering for Embankments on Soft Soils, 2021 (GEESS2021) shall include an update on the monitored behaviours of the set of prototype scale trials that were featured exclusively at the International Symposium on Trial Embankments on Malaysian Marine Clays, Kuala Lumpur 1989. The prototype scale trials are called the Malaysian Trial Embankments.

To encourage an active participation at the Symposium, a settlement prediction exercise is included for interested delegates to the Symposium and invited Predictors. Settlements at the end of June 2020 since surface settlement measurements at the top of the completed embankments commenced in September 1989, are required to be predicted at the centres of the two Control embankments at the Malaysian Trial Embankments program. The results of the predictions shall be announced at GEESS2021 and compared to the settlement values measured at the end of June 2020.

# GEESS2021 - ADVERTISEMENT BOOKING FORM

<b>Paying Advertisers</b> <i>(All fees inclusive of 6% SST)</i>	<b>Advertisement Rate</b>	<b>Amount (RM)</b>
<b>Outside back page</b> <input type="checkbox"/>	RM5,300.00	
<b>Inside front page</b> <input type="checkbox"/>	RM4,770.00	
<b>Inside back page</b> <input type="checkbox"/>	RM4,240.00	
<b>Inside full page</b> <input type="checkbox"/>	RM3,180.00	
	<b>TOTAL:</b>	

**[All advertisement artwork must be accompanied with payment upon submission of booking form. Advertisement rate is inclusive of 6% SST and one complimentary registration for each advertisement category.]**

We wish to advertise in the Symposium Souvenir Programme book as indicated (√) above and enclose herewith Banker's Cheque/Local Cheque No. \_\_\_\_\_ issued to "IEM Academy Sdn. Bhd." for the sum of Ringgit Malaysia \_\_\_\_\_.

## **REGISTRATION POLICIES**

All fee paid is not refundable; however substitution in same category is allowed and subject to prior confirmation by the Symposium Organising Committee.

## Contact Information (For Invoice and Payment Purposes):

<b>Contact Name:</b>			
<b>Organisation:</b>			
<b>Position:</b>			
<b>Mailing Address</b>			
<b>Email Address:</b>			
<b>Contact No.:</b>	Office		Mobile

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

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

Company Stamp:

# EXHIBITION

A Technical Exhibition will be organised as an integral part of the Symposium. Project experience, design solutions, and application of geotechnical technology and state-of-the-art information can be highlighted. The standard shell scheme booth includes 3 metres by 3 metres (3m x 3m) or 4sqm standard booth with 2.44mHt rear and dividing pifex system and partition in white panel. The following items will be provided:

NO.	ITEM	DESCRIPTION	UNITS
1.	<b>Electrical</b>	Fluorescent lights	2
2.	<b>Furniture</b>	Information desk	1
		Folding chairs	2
		Waste paper basket	1
3.	<b>Graphics</b>	Overhead fascia board c/w inkjet sticker for company name and stand number	1

Exhibitors are entitled to the following:

- Two (2) Exhibitor Name\* Tags for taking charge of exhibition booth only.
- One (1) complimentary participant\* for attending the 2-day Symposium.
- Coffee and tea breaks as well as lunch will be provided during the 2-Day Symposium exhibition.
- One (1) coloured full A4 size advertisement\* in the Symposium Souvenir Programme book.

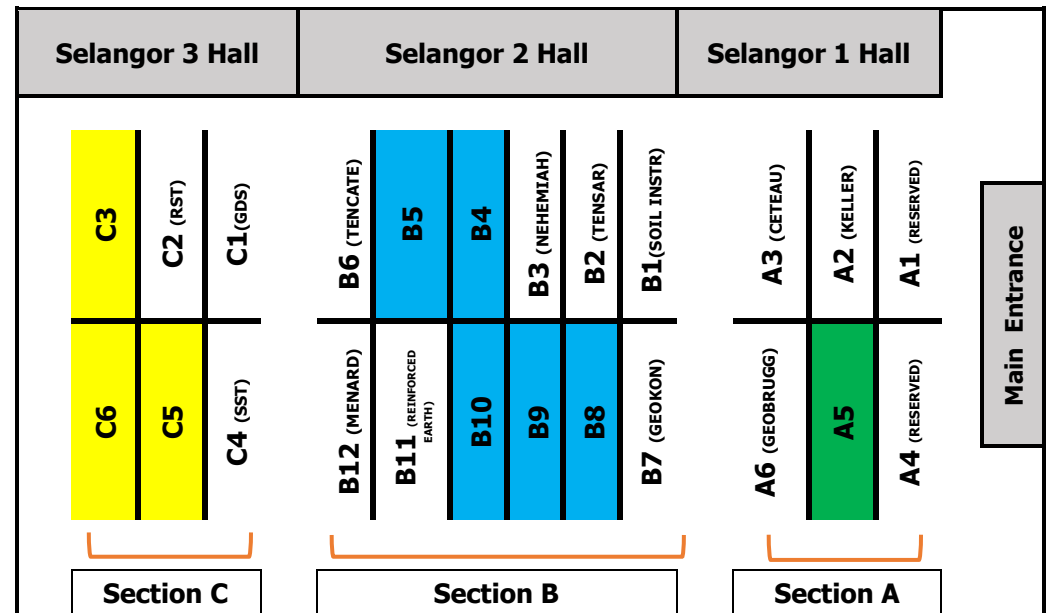
*Note: \* To be submitted by 5<sup>th</sup> January 2021*



# COST OF EXHIBITION BOOTH

Section	Cost per Booth	No. of Booth(s)
<b>Premier A</b>	<b>Reserved</b>	
<b>A</b>	<b>RM15,900.00</b>	
<b>B</b>	<b>RM12,720.00</b>	
<b>C</b>	<b>RM10,600.00</b>	
<i>(All fees inclusive of 6% SST)</i>		

## LAYOUT PLAN FOR FOYER, SELANGOR BALLROOM, DORSETT GRAND SUBANG HOTEL



# GEESS2021 (EXHIBITION BOOKING FORM)

Exhibition booth booking details:

Section	Cost per Booth	Booth Selection	Amount (RM)
<b>Premier A</b>	<b>RM31,800.00</b>	<b>RESERVED</b>	
<b>A</b>	<b>RM15,900.00</b>	A5	
<b>B</b>	<b>RM12,720.00</b>	B4 / B5 / B8 / B9 / B10	
<b>C</b>	<b>RM10,600.00</b>	C3 / C5 / C6	
<i>(All fees inclusive of 6% SST)</i>		<b>TOTAL PAYABLE:</b>	

Dear Organising Chairman,

We wish to confirm as indicated above and enclose herewith our cheque no. \_\_\_\_\_ for the sum of MYR \_\_\_\_\_ (non-refundable) made payable to:-

## **PAYMENT METHODS**

1. Banker's cheque made payable to  
**"IEM ACADEMY SDN BHD"**
2. Bank Transfer (Please forward soft copy of payment advise)

Account Name	: <b>IEM ACADEMY SDN BHD</b>
Account Number	: <b>21403500139397</b>
Bank Name	: <b>RHB Bank Berhad</b>
Bank Address	: <b>No. 5, Jalan 52/18, PJ New Town, 46200 PJ.</b>
Swift Code	: <b>RHBBMYKL</b>

Contact Information (For Invoice and Payment Purposes):

<b>Contact Name:</b>				
<b>Organisation:</b>				
<b>Position:</b>				
<b>Mailing Address</b>				
<b>Email Address:</b>				
<b>Contact No.:</b>	Office		Mobile	

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

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

Company Stamp:



# GEESS2021 – SPONSORSHIP BOOKING FORM

Category <i>(All fees inclusive of 6% SST)</i>	Amount (RM)	Complimentary	Amount (RM)
<b>Diamond</b> <input type="checkbox"/>	<b>RM127,200</b>	1 inside full page ad. + 5 participants + Acknowledgement in Souvenir Programme book	
<b>Symposium Bag</b> <input type="checkbox"/>	<b>RM106,000</b>	1 inside full page ad. + Acknowledgement in Souvenir Programme book	
<b>Platinum</b> <input type="checkbox"/>	<b>RM63,600</b>	1 inside full page ad. + 3 participants + Acknowledgement in Souvenir Programme book	
<b>Gold</b> <input type="checkbox"/>	<b>RM47,700</b>	1 inside full page ad. + 2 participants + Acknowledgement in Souvenir Programme book	
<b>Silver</b> <input type="checkbox"/>	<b>RM31,800</b>	1 inside full page + 2 participants + Acknowledgement in Souvenir Programme book	
<b>Bronze</b> <input type="checkbox"/>	<b>RM21,200</b>	1 inside full page ad + 1 participant + Acknowledgement in Souvenir Programme book	
<b>CD / DVD/ Pendrive</b> <input type="checkbox"/>	<b>RM21,200</b>	Acknowledgement + CD souvenir	
<b>Name Tags &amp; Lanyard</b> <input type="checkbox"/>	<b>RM5,300</b>	Acknowledgement in Souvenir Programme book	
<b>Lunch + Signage for Technical Visit</b> <input type="checkbox"/>	<b>RM5,300</b>	Acknowledgement in Souvenir Programme book	
<b>Donations</b> <input type="checkbox"/>	<b>RM3,000</b>	Acknowledgement in Souvenir Programme book	
		<b>TOTAL:</b>	

We wish to sponsor in the Symposium Programme as indicated (√) above and enclose herewith Banker's Cheque/Local Cheque No. \_\_\_\_\_ issued to "IEM Academy Sdn. Bhd." for the sum of Ringgit Malaysia \_\_\_\_\_.

## PAYMENT METHODS

1. Banker's cheque made payable to  
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<b>Organisation:</b>			
<b>Position:</b>			
<b>Mailing Address</b>			
<b>Email Address:</b>			
<b>Contact No.:</b>	Office		Mobile

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

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

Company Stamp: