

## Half Day Talk on “Geogrid Stabilisation Solution for Roads over Soft Ground”

(Co-organised with Tensar International Limited)

**Date** : Saturday, 2 August 2025  
**Time** : 9:00 a.m. – 1:00 p.m.  
**Venue** : IEM (Southern Branch) Training Centre, Johor Bahru.  
**Speaker** : Ir. Lau Joe Jiunn, Team Lead and Design Manager of Tensar International Limited

### Synopsis

This technical talk introduces geogrid stabilisation as a practical solution for constructing roads over soft ground. It covers how geogrids enhance load distribution, mitigate differential settlement, and improve bearing capacity through interlocking mechanisms and lateral confinement. Key design considerations and installation practices will be discussed, along with real-world case studies that demonstrate performance benefits, cost savings, and construction efficiency. The session aims to provide engineers, contractors, and decision-makers with a clear understanding of how geogrid stabilisation solutions can improve road performance and sustainability under challenging ground conditions.

Time	Tentative Programme
8:30 a.m. – 9:00 a.m.	Registration
9:00 a.m. – 9:05 a.m.	Welcome Speech by IEM (SB) Organizing Committee
9:05 a.m. – 10:30 a.m.	Session 1 – Enhancing Bearing Capacity of Soft Ground Using Geogrid Mechanical Stabilisation
10:30 a.m. – 10:45 a.m.	Coffee Break
10:45 a.m. – 12:30 p.m.	Session 2 – Sustainable Pavement Design for Soft Soils: Integrating AASHTO design and JKR ATJ 5/85 Standards
12:30 p.m. – 1:00 p.m.	Question & Answer Session
1:00 p.m.	Closing & End of Talk

### About the Speaker:



**Ir. Lau Joe Jiunn** received his Bachelor of Engineering with First Class Honours (BEng Hons) from Universiti Putra Malaysia in 2015. He is a registered Professional Engineer with the Board of Engineers Malaysia (BEM) and an ASEAN Chartered Professional Engineer. He is also a corporate member of the Institution of Engineers, Malaysia (IEM), currently serving as a committee member of the Geotechnical Engineering Technical Division (GETD). Upon graduation, he began his career as a Design Engineer in the geotechnical division of a consultancy firm. His experience spans the design and construction of ground improvement works, shallow and deep foundations, basements, slope stability analysis, retaining structures, and highway alignments. Currently, Ir. Lau is the Team Lead and Design Manager of Tensar International Limited, responsible for the East Asia (EA) region. He conducts workshops to share technical knowledge on geosynthetic applications, with a specialization in soil stabilization and reinforced soil structures.

### Participant Fees:

Grade	Fee
IEM Members	RM 80.00
IEM Members (age > 60 years old)	RM 50.00
Non-IEM Member	RM 150.00

**Closing Date: 29 July 2025**

Registration will be on a first-come-first-serve basis. Kindly return the reply slip to the IEM (SB) office before **29 July 2025** together with a non-refundable cheque for the participant fees made payable to **The Institution of Engineers, Malaysia (Southern Branch)**. Alternatively, you could bank-in the participant fees into the **Institution's Maybank Current Account (No. 5-013920-15708)**, and to email both the Bank-in and Reply Slips to the Institution. The Institution requests all members co-operation in ensuring fees are paid in advance for the seminar. Please also be reminded that fees will not be refunded to absent participants who have paid, and to also note that all reservations must be paid despite participant cancellations. Thank you for your continuous support of the Institution.

Chairman, Sub-Committee on Seminar and Technical Talk, IEM (SB)



For QRPay payment, scan this code with your online banking or e-wallet.

BEM Approved  
CPD Hours: 4.0  
Ref No: IEM25/SB/239/T

#### REPLY SLIP

To: Hon. Secretary, The Institution of Engineers, Malaysia (Southern Branch) **WhatsApp: 07 – 3363406**

#### **Half Day Talk on “Geogrid Stabilisation Solution for Roads over Soft Ground”**

Saturday, 2 August 2025, 9:00 a.m. – 1:00 p.m.

at IEM (Southern Branch) Training Centre, Johor Bahru, Johor.

I wish to attend the above talk. I enclosed herewith a cheque no. .... for the amount of RM.....as payment for the participant fee.

Name of Member: ..... Membership No: ..... I/C No: .....

Address: ..... Tel(O): .....(Fax).....

..... Tel (H/P): .....

..... E-mail: .....

Company's Name: .....

Signature: ..... Date: .....

**Note** : Kindly **email the Reply Slip together with the payment slip to [iemsouthern@gmail.com](mailto:iemsouthern@gmail.com)** for confirmation.

: Attendance by representative will not be issued with the Certificate of Attendance.

#### PERSONAL DATA PROTECTION ACT

*I have read and understood IEM's Personal Data Protection Notice published on IEM's website at [www.myiem.org.my](http://www.myiem.org.my) and I agree to IEM's use and processing of my personal data*