

DEC 2022 (Saturday)

■ 9 AM - 1 PM

Zoom Meeting (Virtual Mode)

Registration Fee Student Member : RM40 Graduate Member : RM75 Corporate Member : RM125 Non-IEM Members : RM240

BEM Approved CPD: 4 Ref No: IEM22/HQ/271/S

Explore the Application of Geogrids in Civil Engineering:

STABILISATION OF UNBOUND AGGREGATE LAYER WITH THE USE OF GEOGRID FOR **PAVEMENT OPTIMIZATION**



Scan here to stay updated on this talk!

Who Should Attend?

Civil engineers, project management personnel, and any person involved in designing and managing any project in the construction industry.

Designing pavement is both an art and a science. Step away from cookbook designs and design pavements from the ground up, or subgrade up in this case! We will cover the fundamentals of road design, both with and without stabilization, along with AASHTO standards to ensure that your road lasts the distance! In this course, the attendees will learn:

- 1. The benefits of geogrid in pavement performance
- 2. The performance review on mechanically stabilised pavement 3. To design pavements with **AASHTO 1993**



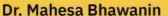
SPEAKER

Ir. Lau Joe Jiunn

(B.Eng. Hons., P.Eng., MIEM)
Design Manager for Tensar International Limited

Ir. Lau Joe Jiunn, received his Bachelor of Engineering with Honours BEng (Hons) 1st Class Honours from the University of Putra Malaysia. He is a registered Professional Engineer with BEM and a corporate member of IEM. Upon graduation, he worked as a Geotechnical Engineer who was actively involved in the design and project management of various infrastructure projects locally and oversea. He deals with various geotechnical works, including shallow and deep foundations, deep excavations and retaining structures, slope stability analyses, and ground improvement works in marine clay. Currently, Ir. Lau serves as the Design Manager for Tensar International Limited, responsible for the APAC region.

SPEAKER



(B.Eng. Hons., PhD.) Regional Technology Support Engineer for Tensar International Limited

Dr. Mahesa Bhawanin is a graduate of the University of Aberdeen, School of Engineering, where he obtained both his bachelor's and post-graduate qualifications. Joined the Tensar regional office in Malaysia in mid-2016 as a Design Engineer, his main responsibilities centred around design and technical support for the Asia Pacific region. Since then, the role has expanded into a business development-centric role, raising the awareness of Geosynthetic applications for the purposes of ground improvement, soil stabilisation and soil reinforcement.





