



Malaysian Geotechnical Society

Webinar – Talk On “Sustainable Practise using Stabilisation Geogrids in Pavement Engineering” By Ir. John Figueroa

24th May 2022 (Tuesday) 4.00 p.m. to 6.00 p.m.

BEM Approved CPD Hours: 2 Ref. No.: Ruj Kami: BEM/REG/12 Jld.9 (303)

PEB No. of PDUs: 2

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Synopsis

This webinar aims to help engineers understand geogrid benefits and relevant mechanisms in pavement performance. Common pavement testing used in the industry to evaluate pavement structural capacity i.e. APT, APLT, PLT and LWD will be discussed in detail, together with case references based on full scale pavement monitoring and field monitoring data. Apart from testing, engineers will be exposed to relevant M-E software that performs such evaluations. Lastly, contribution of geogrid in carbon footprint will be presented.

This webinar will cover the following topics:

1. Understanding geogrids and relevant mechanisms for improved pavement performance
2. The use of APT (Accelerated Pavement Testing) to evaluate stabilisation geogrid performance & resistance to deformation
3. The use of APLT (Automated Plate Load Testing) to evaluate stabilisation geogrid performance & resistance to deformation
4. Use of software to evaluate pavement structural capacity
5. The use and relevance of LWD (Light Weight Deflectometer) to measure pavement surface modulus
6. Carbon footprint assessment based on actual case studies

About The Speaker



Widely recognised pavement engineering specialist in flexible and rigid pavements. Fellow Chartered Professional Engineer with more than 30 years of experience in pavement engineering and project management. Involved in many of the major highway and motorway upgrades delivered in NSW over the past few years as Subject Matter Expert, Discipline Leader and Technical Advisor. Currently involved in the implementation of pavement optimisation tools for mechanical stabilisation of pavements using geogrids.

Actively involved in industry board activities. Past Member of the Australian Society for Concrete Pavements Executive Board and also Past President. Represented RMS as a member of the Austroads Asphalt Research Reference Group. Director of John Figueroa Consulting (JFC) formed in 2016 as an independent consulting practice to provide technical advice on pavements.

Registration Fee:

MGS / IEM / GeoSS / CTGS Members: **FREE**

Non Members: **RM20.00 per person**

Payment Methods:

1) Online Bank Transfer

Bank Name: **Hong Leong Bank Berhad**

Account Name: **Pertubuhan Geoteknikal Malaysia**

Account No: **28100012316**

2) **PayPal** (account: mgs@mygeosociety.com)



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After the payment has been completed, please email the transaction receipt to mgs@mygeosociety.com.

Each approved registrant will receive a unique Zoom link.

Ir. Dr. Dominic Ong Ek Leong
President
Malaysian Geotechnical Society

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