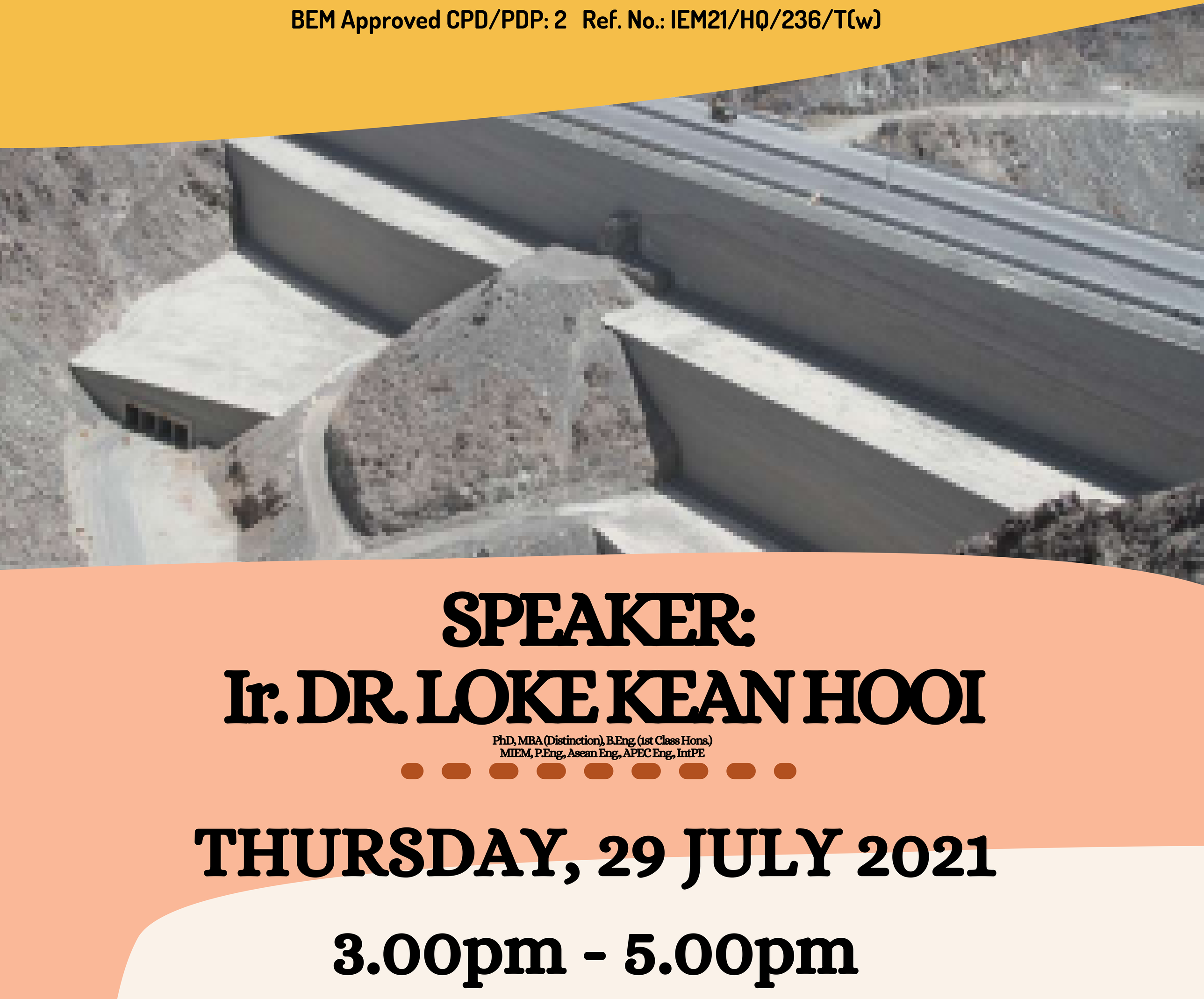
JOINTLY ORGANISED BY CIVIL AND STRUCTURAL ENGINEERING TECHNICAL DIVISION (CSETD)
&
GEOTECHNICAL ENGINEERING TECHNICAL DIVISION (GETD)

WEBINAR ON FUNDAMENTALS OF GEOSYNTHETICS ENGINEERING

BEM Approved CPD/PDP: 2 Ref. No.: IEM21/HQ/236/T(w)



SPEAKER:
Ir. DR. LOKE KEAN HOOI

PhD, MBA (Distinction), B.Eng. (1st Class Hons.)
MIEM, P.Eng., Asean Eng., APEC Eng., IntPE

THURSDAY, 29 JULY 2021

3.00pm - 5.00pm

Registration Fees
(effective 1st August 2020)
IEM Members : RM 15.00
IEM Non Members : RM 70.00

Register online | www.myiem.org.my

SYNOPSIS

Geosynthetics engineering is a branch of engineering discipline cross linked with other disciplines such as civil, geotechnical, highway and environmental engineering. Although geosynthetics engineering has been used in the civil construction industry for over 30 years, the knowledge among engineers of the above discipline remains superficial. This is because geosynthetics engineering is never a taught discipline or subject at undergraduate level in most universities thus, leaving engineers ill-informed and unprepared when they enter the construction industry.

This course is intended to provide engineers with basic grounding on geosynthetics and their applications. Engineers will learn the types of geosynthetics and their functions. The course will focus on two key applications, namely road constructions and reinforced soil structures using geogrids. The course will highlight the latest development in geogrid technology and research findings. Engineers will be taught on the design using current design methods and shown the value proposition of using geosynthetics in these structures. Lastly, the course will emphasize on proper specifications to ensure performance of geosynthetics for the intended structure. Case references will be presented to show the viability and workability of geosynthetics solutions.

OBJECTIVES

- To provide engineers with basic knowledge and grounding of geosynthetics engineering.
- Design roads and reinforced soil structures using current design methods with geogrids.
- Familiar with correct specification to ensure performance of geosynthetics and avoid pitfalls.

S P E A K E R ' S P R O F I L E

Ir. Dr. Loke Kean Hooi, graduated Doctor of Philosophy (PhD) in Geosynthetics Engineering in 1991 and Bachelor of Engineering (Civil), with First Class Honours, from the University of Strathclyde, United Kingdom in 1987 . Later in his career, he graduated Master of Business Administration (MBA) with Distinction, also from the University of Strathclyde, UK.

He has been involved in the research, manufacturing, consulting, design and teaching of geosynthetics for more than 25 years. He worked with several multi-national companies dealing with geosynthetics in senior management position and has been instrumental in the development of geosynthetics applications in Malaysia. He has conducted many courses on geosynthetics applications and technology to public and universities. He is also active in the development of Malaysia test standard for geosynthetics serving as Chairman in working group, WG6 of Standard Malaysia.

Ir. Dr. Loke Kean Hooi has authored and co-authored more than 50 technical papers in national and international publications. He is a certified trainer (with PSMB) and was a lecturer at the University of Strathclyde UK, Business School for its MBA program.