The Institution of Engineers, Malaysia

WEBINAR TALK ON :
RELIABILITY METHODS FOR GEOTECH AND STRUCTURAL ENGINEERING

Jointly Organised by : Civil and Structural Technical Division, IEM & Geotechnical Technical Divison, IEM

Webinar Details

- **6th Feb 2026, Friday**
- **2pm - 4pm**
- **Via Zoom - Virtual Platform**
- **BEM Approved CPD Hours : 2**
  Ref No : Applying
- **Registration Fees**
  IEM Students : Free
  IEM Members : RM15
  Non-IEM Members : RM70

Speaker
Ir. Prof . Dr Low Bak Kong
Senior Professor UTAR,
Fellow ASCE

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Synopsis

The traditional global safety factor design method has evolved recently into partial factor design approaches, including the Eurocode for EU and the Load and Resistance Factor Design (LRFD) for the USA. This seminar explains practical reliability methods which can oversome some limitations and potential pitfalls of the partial factor design approaches. Focus is on intuitive understanding, efficient implementation, and insights and revelations from reliability methods which can enhance the partial factor design approaches. Examples will be drawn from geotechnical and structural engineering.

Speakers Biodata

Ir. Prof. Dr Low Bak Kong is a senior professor at the Universiti Tunku Abdul Rahman (UTAR) main campus of Perak. Dr Low earned a PhD at the University of California, Berkeley, and a BS and an MS at the Massachusetts Institute of Technology. He has taught at Nanyang Technological University (Singapore) for 35 years (1985-2020) and is a Fellow of the American Society of Civil Engineers. He also remains a registered professional engineer of Malaysia. In 2019, Dr Low received the Thomas A. Middlebrooks Award from ASCE. Dr Low has been listed among the world's top 2% scientists in the annual lists compiled by Stanford University