



Workshop Facilitator:

Dr. Weng Yuen Kam

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Singapore

SCAN ME



For conference website

Er Dr. Weng Yuen Kam is the Business Director for Structural Engineering at Beca Singapore.

He has over 20 years of experience among in international structural and seismic engineering practice across Singapore, New Zealand, and the Netherlands. He has led structural design and retrofit projects with values up to ~USD 1 billion.

In Singapore, he has contributed to major mixed-use developments such as Marine One and is a specialist in seismic and structural engineering, particularly low-to-moderate seismic design and the seismic retrofit of existing and non-structural elements.

Synopsis

This workshop provides a clear introduction to the fundamental principles of earthquake engineering, with a focus on low-to-moderate seismic regions such as Malaysia and Singapore. Participants will learn how earthquakes affect buildings and infrastructure, the basics of structural dynamics for SDOF and MDOF systems, and essential seismic analysis methods. The course covers both conceptual seismic design and the application of Eurocode 8 provisions. Lessons from past earthquake-related building failures and emerging trends in seismic design will also be discussed. By the end of the workshop, participants will gain a solid foundation in earthquake engineering and a strong understanding of how to analyse and design safer, more resilient structures.

17TH INTERNATIONAL CONFERENCE ON CONCRETE ENGINEERING AND TECHNOLOGY (CONCET 2026)

POST- CONFERENCE WORKSHOP

Date: 21 August 2026
Venue: Universiti Malaya
Kuala Lumpur, Malaysia

BEM Approved CPD: 4 hrs
BEM/REG/12 Jld.13 (19)

Workshop Title :

**Right - Sizing Resilience :
Practical Seismic Design for
Low-to-Moderate Seismicity**



Workshop Title :

Right - Sizing Resilience: Practical Seismic Design for Low-to-Moderate Seismicity

Schedule of Events:

- 08:00 am- 08:30 am : Registration & Refreshment
- 08:30 am- 09:30 am : Topics 1, 2 & 3—Earthquake Hazard, Seismic Risk and Building standards, Structural dynamics, and Seismic analysis methods
- Topics 1, 2 & 3 Guest lecture by : **Assoc. Prof. Dr. Daniel Looi Ting Wee**
Sunway University, Malaysia
- 09:30 am- 10:30 am : Topic 4 - Building seismic design to Eurocode-8 (SEN1998) and BCA BC3
Topic 5- Lessons from structural collapse and failures in earthquakes for multi-storey seismic design
- 10:30 am- 10:45 am : Tea-Break
- 10:45 am- 12:00 noon : Topic 6 - Geotechnical seismic behaviour and foundation design
Topic 7 - Engineering trends on seismic design-non-structural elements in mission critical and retrofit, building and community resilience
- 12:00 noon- 12:45 pm : Practical Exercise & Discussion

Organized by:



UNIVERSITI
MALAYA

Co-organizers:



Registration Information:

Please complete the registration via the Google form available at **CONCET 2026** webpage.

Payment:

Refer the conference website for the payment

***Special Offer: First 30 registrants will get RM 50 waiver. Register Now!**

Registration Information

Please click the link below to complete the Google form registration / Scan the QR Code
<https://forms.gle/s5KYVLoNvmKhx5336>



Date : 21 August 2026
Time : 8:00 am -12:30 pm
Venue : Universiti Malaysia
Fee : RM **350** (Early Bird)
RM **450** (Standard)

If anyone attends both workshops, a reduction in registration fees will be applied (The reduced fee will be updated on the [conference webpage](#)).

Terms & Conditions:

No refund will be made for withdrawal participating. However, a replacement will be accepted upon prior arrangement at no extra cost. Please inform us of the changes, if any, by email. The secretariat of **CONCET 2026** reserves the right to cancel the course and fully refund the participants, should unforeseen circumstances warrant it. Every effort will be made to inform participants of any changes.

Confirmation of Registration:

Payment is required prior to the course. Kindly email the bank-in slip together with the completed registration for our reference.

Email: concet@um.edu.my

Confirmation of registration will be provided on a first-come-first-serve basis via email, and you are required to acknowledge it. If you do not receive the said confirmation email, please contact us immediately at **+603-7967-5203** or through the above email.

Closing date: Kindly refer to the conference website.

Conference Theme:

**Advancing Concrete Construction:
Sustainability, Integrity, and Artificial
Intelligence for Smarter Built Environments**