

Workshop Information:

Title: The Future of Concrete Structures: Combining 2nd Generation EC2 Standard with CFRP for Sustainable Reuse and Retrofitting

Date: 18 August 2026 (Tuesday)

Time: 8:00 am – 1:30 pm

Venue: Universiti Malaya, Kuala Lumpur, Malaysia

Fees: RM **350** (Early Bird)/ RM **450** (Late Fees)

If anyone attends both workshops, a reduced fee will be applied. This will be updated on the conference website.

Workshop details

- A significant update to Eurocode 2 (EN 1992-1-1:2023) marks a major milestone in the second generation of standardized European structural and civil engineering standards.
- Key updates include:
 - New methods for shear resistance and punching shear without web reinforcement
 - Direct determination and reduction of partial factors using geometry and material testing
 - Expanded provisions for assessing existing structures
 - Design rules for strengthening concrete structures with CFRP (Carbon Fibre Reinforced Polymer)
- Workshop focus:
 - Detailed review of provisions enabling reuse and life extension of concrete structures
 - Practical guidance on CFRP strengthening, supported by analytical background
 - Code interpretation combined with worked examples
- Audience: Practicing engineers, researchers, and postgraduate students engaged in advanced assessment, retrofitting, and Eurocode evolution



Workshop Facilitator:

Dr. Craig Giacco

BEng (Adelaide), PhD (Monash),
CPEng, FICE,
FIEAust, IntPE

United Kingdom

- Technical Director, Hewson Consulting (bridge & civil infrastructure specialist)
- 30 years international experience in bridge and civil engineering
- Credentials: BEng (Monash), CPEng, FICE, FIEAust, IntPE
- Global projects: UK, Australia, UAE, Saudi Arabia, New Zealand, Ireland
- Key achievements:
 - Queensferry Crossing, Scotland – major role in world's longest three-tower cable-stayed bridge
 - Lower Thames Crossing, UK – led multiple Category 3 design validation packages
- Standards leadership: Contributor to Eurocode 2 (EN 1992-1-1:2023); member of UK National Annex committee
- Thought leader: Published and presented on Eurocode 2 updates & CFRP strengthening



**17th INTERNATIONAL CONFERENCE
ON CONCRETE ENGINEERING AND
TECHNOLOGY**

18 August 2026

Kuala Lumpur, Malaysia

Pre-Conference Workshop

Workshop Title:

**The Future of Concrete Structures:
Combining 2nd Generation EC2 Standard
with CFRP for Sustainable Reuse and
Retrofitting**

Conference Theme:

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

**BEM approved CPD: 5 hrs
(BEM/REG/12 Jld.13 (17))**

Schedule

- 08:00 – 08:30 AM** Registration & Light Refreshment
- 08:30 – 09:30 AM** Session 1: Introduction & Assessment of concrete structures using 2nd Generation EC2
- 09:30 – 10:30 AM** Session 2: Strengthening of Concrete structures to 2nd Gen EC2
- 10:30 – 11:00 AM** Tea Break
- 11:00 – 12:00 PM** Session 3: Practical example of assessment of an existing concrete structure (Could be interactive)
- 12:00 – 01:00 PM** Session 4: Practical example of CFRP strengthening of an existing concrete structure (Could be interactive)
- 01:00 – 01:30 PM** Discussion, and Practical Exercise

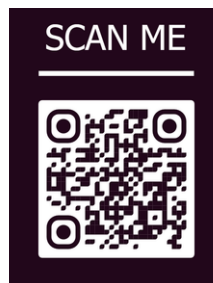
Registration Information

Please click the link below to complete the Google form registration / Scan the QR Code

<https://forms.gle/s5KYVLoNvmKhx5336>

***Special Offer: First 30 registrants will pay 300 RM**

Refer the conference website for the payment



For Conference Website

For Registration



Terms & Conditions

Confirmation of Registration

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

Email: concet@um.edu.my

Confirmation of registration will be informed 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 03-7967-5203, or send us an email.

Email: concet@um.edu.my

Closing date: Kindly refer to website

Refund and Cancellation

No refund will be made for withdrawal. 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 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.

Organized By:



**UNIVERSITI
MALAYA**



Co-organizers:

