CONCRETE BEYOND BOUNDARIES 2026

Advancing Sustainable, Intelligent and Resilient Construction for the Future Built Environment

22nd October 2026



PED PDUs: 8

Supported by:

Centre of Innovation
Built Environment - Advanced Materials
(COI BE-AM)

Centre for Advanced Materials and Structures (CAMS)

Who Should Attend?

- Architects
- Contractors
- Consultants
- Concrete Suppliers
- Developers
- Engineers
- Project Managers
- Site Engineers
- Site Supervisors
- Sub-Contractors
- Technical Officers
- Researchers

Registration Fee

ACI-SC/ SCI/ IES/ ACES/ SRMEG/ RMCAS/ TJ Alumni	
Member	**S$327.00 W/GST**
Non - Member	**S$381.50 W/GST**
Student	**S$163.50 W/GST**

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Introduction

The seminar will bring together distinguished experts, academics, government representatives, engineers and industry leaders from Singapore and overseas to exchange knowledge and perspectives on the future of concrete and the built environment.

The technical programme will address a broad spectrum of emerging developments, including **low-carbon and sustainable concrete materials, advanced reinforcement systems, fibre-reinforced concrete, resilient structural design, innovative construction technologies, smart and self-sensing cementitious materials, and the translation of research into real-world applications**.

As Singapore continues its journey towards a more sustainable, productive and resilient built environment, we believe that close collaboration among **government agencies, industry, academia and professional institutions** is increasingly important. ACI-SC remains committed to supporting this collective effort through technical knowledge sharing, professional development and international collaboration.

The seminar is expected to feature **12 invited presentations** from leading academics and industry professionals from Singapore and the region, organised under four key themes:

1. **Low-Carbon Materials & Sustainable Concrete Solutions**
2. **Advanced Reinforcement & High-Performance Fibre Concrete**
3. **Resilient Structures: From Research to Real-World Adoption**
4. **Smart Technologies & the Future Built Environment**

Date

22nd October 2026
Thursday

Time

Seminar: 8.30am – 18:30pm

Venue



Furama City Centre
60 Eu Tong Sen St, Singapore 059804

Topics and Speakers (More to be confirmed)

Speaker	Topic
Dr Tao Nengfu, President, American Concrete Institute-Singapore Chapter	Welcome Speech
Er Kaliannan Thanabal – Guest of Honour, Commissioner of Building Control, Group Director (Building Resilience), BCA	Opening Address
Prof Johnson Alengaram – University of Malaya	Eco-Friendly Campus Housing: Material & Structural Behaviours, and Construction of Geopolymer Concrete House for Campus Transit Drivers at Universiti Malaya, Malaysia
Prof. Tan Kang Hai, Professor and the Director of the Protective Technology Research Centre (PTRC) at Nanyang Technological University	Co-Gasification Slag as Low-Carbon Aggregate and Binder for Sustainable Construction
Makoto Shoji – Denka Construction Solutions Malaysia Sdn Bhd	Toward Sustainable and Resilient Concrete: Innovations in Functional Additives
Ms Huang Mei Si – CRT Manufacturing Sdn Bhd	Innovating Structural Reinforcement: The Future of GFRP Bars with STARBARS
Assoc. Prof Kum Yung Juan – Singapore Institute of Technology	Beyond CMOD: Principles-Based Alternative SFRC Tests for Quality, Sustainability, and Productivity
Dr Daneti Saradhi Babu – Alliance Concrete Singapore Pte. Ltd. / Vice-President, ACI-SC	Sustainable Steel Fiber Reinforced Concrete for Durable Underground Constructions
Assoc. Prof Zhao Ming-Shan - Singapore Institute of Technology	Carbon Mineralisation: A Practical CCUS Pathway for Waste Valorisation and Low-Carbon Cement
Dr Du Hong Jian & Er Cong Zheng Xia – NUS & Woh Hup	Concrete Beyond Boundaries: From Research Collaboration to Real-World Adoption
Dr Chuchai Sujivorakul – King Mongkut's University of Technology Thonburi	Evolution of Precast Concrete Building Technology in Thailand

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Asst. Prof Dong Wenkui – NTU	Nanogenerator Integrated Self-Powering and Self-Sensing Cementitious Materials for Sustainable and Intelligent Infrastructure
Ms Yina Chua – KPMG	Building Sustainable and Resilient Businesses in the Built Environment
Todd Clarke – BarChip Inc	Improved Sustainability of Railway Infrastructure through Macro Synthetic Fibre Reinforced Concrete Adoption
ACI-Singapore Chapter	Concrete competition Prizes presentation
Lu Jin Ping – Chair, Organizing committee	Closing Remarks

REGISTRATION

Please register early to avoid disappointment.

Registration is only confirmed upon receipt of payment.

No walk-in registration is accepted on actual day.

Please scan QR quote below for registration:

Or click the Registration **LINK**

For corporate registration, please email your contact details and list of participants to liwei@concrete.org.sg for invoice or E-invoice for Government Agencies.

For further enquiries, please contact: The Chair of Seminar: admin@concrete.org.sg

PAYMENT

Payment for the seminar must be made before 01 Oct 2026 by

Paynow:

Crossed cheque payable to "ACI (Singapore Chapter)" and mail to: ACI (Singapore Chapter)
13 Hillview Crescent
Singapore (669437)

Internet banking:
ACI (Singapore Chapter) Bank Name: DBS Bank Code: 7171 Branch Code: 028 Account No: 0280025505

Telegraphic Transfer: DBS Bank Ltd Address: 12 Marina Boulevard, Marina Bay Financial Centre Tower 3, Singapore 018982, Bank Code: 7171, Branch Code: 028, Account No: 0280025505, Swift Code: DBSSSGSG (Please email a copy of the TT slip to us. The payer is responsible for all bank charges incurred)

Withdrawal

There will be no refund for withdrawal but replacements are allowed. Request for withdrawal must be made in writing 3 days before the seminar.
The full fee will be charged for withdrawal or no-show on the day of the seminar.

Cancellation

The organisers reserve the right to amend any details relating to the seminar, revise the seminar fees without prior notice, cancel or postpone the seminar.

Others

The CPD points indicated for the seminar is subject to change and final approval by the relevant professional accreditation bodies.
The materials supplied to the company and individual applicant for the seminar ("Materials") are for their personal reference only and the company and individual applicant are not supposed to otherwise use the Materials.