

## Webinar Talk on “Innovating Structural Reinforcement: The Role of STARBARS (GFRP bars) in Modern Construction”

(Co-organised with CRT Manufacturing Sdn. Bhd.)

**Date** : Thursday, 23 April 2026  
**Time** : 9:30 a.m. – 1:00 p.m.  
**Venue** : Online Platform – Google Meet  
**Speaker** : Ms. Huang Mei Si – Co-Founder / Deputy Managing Director, CRT Manufacturing Sdn. Bhd.

### Synopsis

This talk introduces STARBARS (GFRP bars) as an innovative reinforcement solution in modern construction. It highlights the limitations of conventional steel reinforcement and explains how GFRP technology offers enhanced corrosion resistance, durability, and structural performance. The session also touches on key applications, design considerations, and the role of STARBARS in supporting sustainable and long-lasting infrastructure.

Time	Tentative Programme
9:00 a.m. – 9:30 a.m.	Registration
9:30 a.m. – 9:35 a.m.	Welcome Speech by IEM (SB) Organizing Committee and CRT Manufacturing
9:35 a.m. – 10:30 a.m.	<b>Module 1 – Introduction to GFRP Reinforcement &amp; Industry Trends</b>
10:30 a.m. – 10:45 a.m.	Coffee Break
10:45 a.m. – 12:30 p.m.	<b>Module 2 – ACI Code Provisions for GFRP-Reinforced Concrete</b> <b>Module 3 – Practical Applications &amp; Industry Case Studies</b>
12:30 p.m. – 1:00 p.m.	Question & Answer Session
1:00 p.m.	Closing & End of Talk

### About the Speakers:



**Ms. Huang Mei Si** is the patent inventor of Grant No: MY-208473-A and Co-Founder of CRT Manufacturing, the company behind STARBAR™, an eco-friendly nanotechnology Glass-Fiber Reinforced Polymer (GFRP) rebar designed as a sustainable alternative to steel reinforcement. A strong advocate for green construction, she works closely with CIDB, SIRIM Berhad, JKR, MIDA, and municipal councils to drive Malaysia’s transition toward composite reinforcement. Since 2020, she has contributed to SIRIM’s Working Group on Reinforcing Material for Construction, and since 2022, she has served in the JSM Working Group for Structural Reinforced Concrete with GFRP Bars (NSC 04/TC 21/WG 11). Under her leadership, STARBAR™ obtained ASTM D7957/D7957M–22 certification via SIRIM and the MyHijau Certification with ISO 14025 Type III ECO Labels, underscoring her commitment to sustainability. Recognized as a thought leader, she is frequently invited to speak at major platforms such as International Construction Week 2023, the International Green Building Conference 2024, and the CIDB C4.0 Road Tour 2024, while also collaborating with the Institution of Engineers Malaysia (IEM) on webinars and technical site visits.

### Participant Fees:

Grade	Fee
IEM Members	RM 50.00
Non-IEM Member	RM 80.00

**Closing Date: 20 April 2026**

Registration will be on a first-come-first-serve basis. Kindly return the reply slip to the IEM (SB) office before **20 April 2026** together with a non-refundable cheque for the participant fees made payable to ***The Institution of Engineers, Malaysia (Southern Branch)***. Alternatively, you could bank-in the participant fees into the **Institution's Maybank Current Account (No. 5-013920-15708)**, and to facsimile both the Bank-in and Reply Slips to the Institution. The Institution requests all members co-operation in ensuring fees are paid in advance for the seminar. Please also be reminded that fees will not be refunded to absent participants who have paid, and to also note that all reservations must be paid despite participant cancellations. Thank you for your continuous support of the Institution.

Chairman, Sub-Committee on Seminar and Technical Talk, IEM (SB)



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To: Hon. Secretary, The Institution of Engineers, Malaysia (Southern Branch) **Fax: 07 – 3363406**

**Webinar Talk on “Innovating Structural Reinforcement: The Role of STARBARS (GFRP bars) in Modern Construction”**

Saturday, 23 April 2026, 9:30 a.m. – 1:00 p.m.

Via Online – Google Meet.

*The link will be provided at least one day before the day of the event.*

I wish to attend the above talk. I enclosed herewith a cheque no. .... for the amount of RM.....as payment for the participant fee.

Name of Member: ..... Membership No: ..... I/C No: .....

Address: ..... Tel(O): .....(Fax).....

..... Tel (H/P): .....

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Signature: ..... Date: .....

**Note** : Kindly **email the Reply Slip together with the payment slip to [iemsouthern@gmail.com](mailto:iemsouthern@gmail.com)** for confirmation.  
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