



The Institution of
StructuralEngineers

IES/IStructE Joint Committee

The Institution of Structural Engineers (IStructE) Chartered Membership Examination Preparatory Course

Venue: Block E4, #04-05
National University of Singapore
4 Engineering Drive 3, Singapore 117583

Date/Time: 31 May and 28 June, 2025
9am to 5pm

Fee: SGD \$150 (*Price inclusive of GST*)

This course is intended to assist participants to prepare for the Institution of Structural Engineers Chartered Membership Examination (CME) and Singapore Supplementary Examination (SSE), in accordance with the Institution's guidelines. We have revamped the course contents to align with the recent changes in the examination format and requirements, such as demonstration of sustainability, embodied carbon calculations and other changes.

By the end of the course, the participants should be able to: (i) describe the general principles and techniques to successfully complete the examination; (ii) demonstrate these principles by discussing real questions on different types of structures; (iii) judge the requirements of the examination and what the examiners expect to see.

University students enrolled in civil engineering course are also welcome to learn about practical solutions to real structural design problems.

The course will be conducted by 3 current marking examiners for the CME and SSE over two sessions on **31 May 2025** and **28 June 2025** covering the following areas:

- Overview, aims and objectives of the CME/SSE
- Understanding of client's brief
- Preparation of two structurally efficient scheme design options, and propose a recommendation based on sustainability
- Demonstrating communication skills by writing to client on how to deal with design changes and to reduce the amount of material used
- Demonstrating the schemes meet with current design parameters and calculating embodied carbon
- Providing sufficient and adequate graphical information such that the scheme can be costed
- Outlining the method of construction
- Preparatory activities leading up to the exam
- Structural scheming with practical examples of conceptual design
- Critique of sample solutions
- Examiner's point of view on do's and don'ts
- Discussion on some past examination questions and sample solutions
- Mock examination / workshop – Attempt parts of past examination questions, followed by discussion on the solutions

SPEAKERS PROFILE

ER. REVE CHIN, Senior Project Manager and Qualified Person with Jacobs Engineering; graduated from Nanyang Technological University with Bachelor (Hons) and Master of Science in Civil Engineering.

Er. Chin has over 20 years of working experience in various design roles and project management in engineering consultancy MNC. He is a Professional Engineer in Singapore and Chartered Member of IStructE since 2010 and is a CME marking examiner for several years.

He has worked on diverse range of industrial, commercial and residential projects including manufacturing, chemicals, water treatment, desalination, waste management, power plants, HV substations, MBS Integrated Resort, hotels, convention centre, MRT stations, watermains, canals & major drainage, condominiums, HDB apartments, landed houses; as well as climate resiliency studies.

ER. WIJAYA WONG, Director of WYN (South East Asia) Pte Ltd graduated from Tarumanagara University and National University of Singapore with BEng (Civil) and MSc (Civil), respectively.

Er. Wong has more than 30 years of working experience in various design and project delivery of infrastructure, industrial, commercial, residential and institutional projects in Singapore, Indonesia, Malaysia, Hong Kong and China. The highlighted project under his portfolio is Marina Bay Sands Integrated Resort, for which he was the Qualified Person (Design) for the hotel towers.

He is a registered Professional Engineer in Singapore since 2009 and a Chartered Member of IStructE since 2006 and he is currently a marking examiner for the IStructE CME.

ER. STEVE YEUNG, Head of Engineering of HBA Future Energy Pte Ltd graduated from the University of Sydney, Australia with Bachelor (Hons) and Master of Engineering Degrees.

Er. Yeung has over 30 years of working experience in the offshore oil-&-gas, mining and power generation industries. He has worked as structural design engineer, project engineer, project manager and engineering manager. He commenced his career in Australia before relocating to Singapore in 1999.

He is a registered Professional Engineer (Civil) in Singapore and Chartered Member of IStructE. He has been a marking examiner for IStructE since 2007.

TERMS & CONDITIONS

Registration

All registrations shall be submitted online via URL:

<https://form.jotform.com/250678554239467>

Payment modes:

1. Online payment by Visa/Master Card, or

For interbank and telegraphic transfer, please remit your payment to:

Account Name: INSTITUTION OF ENGINEERS SINGAPORE – THE ISTRUCTE SINGAPORE

Bank Account No : 689-752-533-001

Bank Name : OVERSEA-CHINESE BANKING CORPORATION LIMITED

Bank Code : OCBC

Branch Code : 689

Swift Code : OCBCSGSGXXX

Bank Address : 460 North Bridge Road #01-00, Singapore

Registration will only be confirmed upon receipt of full payment by IES.

The closing date for registration is **Wednesday, 28 May 2025**.

Confirmation of Event

Confirmation of event will be given 5 working days prior to the course. In the event that you are not able to attend, please inform us in writing at least 3 working days before the course commencement date. Otherwise, the full payment will still be applicable even if you did not turn up for the workshop.

We reserve the right to allow only confirmed registrants to attend the course.

Course Cancellation/Postponement

Changes in venue, dates, time and speakers for the course can occur due to unforeseen circumstances. The Committee reserves the full right to cancel or postpone the course under such circumstances without prior reasons. Every effort, however, will be made to inform the participants or contact person of any cancellation or postponement.

Fees will be refunded in FULL if the course is cancelled by the Committee.