



The Institution of Engineers, Malaysia



CSC STEEL



ONE-DAY SEMINAR ON HIGH STRENGTH COLD-FORMED STEEL: MATERIALS AND STRUCTURAL DESIGN

by Assoc Prof. Dr Tan Cher Siang
& Ir. Tu Yong Eng

LIMIT
120 SEATS
only

DATE : 28 SEPTEMBER 2024 (SATURDAY)

PLATFORM :PHYSICAL

PHYSICAL - AUDITORIUM MALAKOFF, GROUND FLOOR, WISMA IEM, PETALING JAYA.

TIME : 9.00 A.M. - 5.30 P.M.

CPD HOURS : 7 HOURS

CPD REF NUMBER : IEM24/HQ/439/S

Cancellation Policy

No cancellation will be accepted prior to the date of the event. However, replacement or substitute may be made at any time with 7 days prior notification and substitute will be charged according to membership status.

CLOSING DATE : 23 SEPTEMBER 2024

In Collaboration with :

Civil and Structural Engineering Technical
Division (CSETD), IEM & CSC STEEL SDN BHD

BIODATA OF THE SPEAKERS

Assoc Prof. Dr Tan Cher Siang



Dr. Tan Cher Siang is an accomplished Associate Professor in the Faculty of Civil Engineering at Universiti Teknologi Malaysia (UTM). His expertise spans structural steelworks, with a strong focus on cold-formed steel applications. He holds a Bachelor of Civil Engineering, Master of Engineering (Structures), and PhD (Civil Engineering) from UTM. Prior to joining UTM, Dr. Tan gained valuable experience as an academic staff member at Universiti Tunku Abdul Rahman (UTAR) and as a post-doctoral scientist at the Swiss Federal Institute of Technology Lausanne (EPFL) in Switzerland. Dr. Tan boasts over 15 years of teaching experience, evident in his 90 publications and guidance of numerous undergraduate, master's, and PhD students. His research contributions have been instrumental in shaping the understanding of steelwork design and applications. He actively serves as a technical committee and working group member in the Department of Standards Malaysia, focusing on cold-formed steel and steel production for construction.

Additionally, Dr. Tan has conducted numerous training sessions for the Department of Public Works (JKR) on Eurocode 3 design principles for structural steelworks. He is a certified HRDF trainer (TTT certificate no: 17289), a dedicated member of the Malaysia Cold-formed Steel Institution (MyCSI) and the IEM-CSETD, actively contributing to the advancement of the field.

Ir. Tu Yong Eng is a professional engineer with a practicing certificate, and experience in civil and structural work, geotechnical, forensic engineering as well as project management. He has carried out extensive structural works including high-rise buildings and bridges. He is also an HRDF registered trainer (TTT certificate No. 9555). He has successfully carried out many courses in the industry and Universities. He has also published numerous papers in IEM Bulletin, conferences and journals. In IEM, he is a Council member and Excomm Member. He is also serving the IEM C & S Engineering Technical Division, Infopub Standing Committee, and Professional Practice Standing Committee. He is also chairing the IEM Malaysian Standards drafting and Forensic Engineering sub-committee. He is also actively involved in the Malaysian Standard Drafting Committee (National Standard Committee, Technical Committee, and Working Group) including Loading (MSEN 1991-1-6, 1991-2), concrete (MS EN 1992-1-1, 1992-2, Ultra High-Performance Concrete), steel (MS EN 1993, MS EN 10025), glass, seismic (MS EN 1998-1), Composite bridges (EN 1994-2), Construction practices and wind codes in Department of Standards, Malaysia.

Ir. Tu Yong Eng



SYNOPSIS

This seminar offers a comprehensive overview of constructional steelworks, focusing specifically on the materials and design considerations for high-strength cold-formed steel. Participants will gain insights into the distinctions between hot-rolled and cold-formed steel, key factors influencing analysis and design, and practical guidance on structural member and connection design aligned with Malaysia Standard Eurocodes. Designed for practicing engineers, manufacturers, installers, and academicians with a vested interest in steelwork construction, this seminar promises valuable knowledge essential for navigating modern construction challenges effectively.

PROGRAM OUTLINE

TIME	ACTIVITY
8.30 AM - 9.00 AM	REGISTRATION & BREAKFAST
9.00 AM - 9.10 AM	WELCOME ADDRESS BY CSETD CHAIRMAN, APPRECIATION TO SPONSOR.
9.10 AM - 10.30 AM	TOPIC 1: INTRODUCTION TO CONSTRUCTIONAL STEELWORK MATERIALS AND DESIGN BY IR TU YONG ENG
10.30AM - 10.45 AM	Q&A SESSION
10.45AM - 11.00AM	MORNING TEA BREAK
11.00AM - 12.30 PM	TOPIC 2: COLD-FORMED LIGHT STEEL FRAMING BY DR TAN CHER SIANG
12.30PM - 12.45PM	Q&A SESSION
12.45PM - 1.30PM	LUNCH BREAK
1.30 PM - 3.00 PM	TOPIC 3: DESIGN OF LIGHT STEEL FRAMING TO EUROCODE 3 – STRUCTURAL MEMBERS BY DR TAN CHER SIANG
3.00PM - 3.15 PM	Q&A SESSION
3.15PM -3.30PM	EVENING TEA BREAK
3.30 PM - 5.00PM	TOPIC 4: DESIGN OF LIGHT STEEL FRAMING TO EUROCODE 3 – JOINTS AND CASE STUDIES BY DR TAN CHER SIANG AND IR TU YONG ENG
5.00 PM - 5.10 PM	Q&A SESSION
5.10 PM - 5.30 PM	TOKEN OF APPRECIATION TO SPEAKERS & END OF SESSION

*"IEM reserves the right to alter or cancel the programme due to unforeseen circumstances at its discretion".
For intending participants who choose to 'walk in without prior registration',
IEM SHALL NOT be responsible for any direct or consequential losses".*

REGISTRATION FORM

One-Day Seminar on High Strength Cold-formed Steel: Materials and Structural Design(PHYSICAL)
28 SEPTEMBER 2024 (SATURDAY)
Email : shamalah@iem.org.my

REGISTRATION FEE'S (subject to 8% SST)		
	ONLINE FEE (RM)	NORMAL FEE (via email / walk in) (RM)
IEM Student Members	50.00	60.00
IEM Graduate Members	50.00	60.00
IEM Corporate Members	50.00	60.00
Non-IEM Members (None of the Above)	50.00	60.00

No	Name(s)	Membership No.	Grade	Fee (RM)*
SUB TOTAL				
(PLEASE ADD) + SST 8%				
TOTAL PAYABLE				

"IEM reserves the right to alter or cancel the programme due to unforeseen circumstances at its discretion".
IEM SHALL NOT be responsible for any direct or consequential losses".

For further details, kindly contact:
The Institution of Engineers, Malaysia
Bangunan Ingenieur, Lots 60/62, Jalan 52/4, P.O. Box 223 (Jalan Sultan), 46720 Petaling Jaya, Selangor
Tel: 603-78900133

Email : shamalah@iem.org.my

REGISTRATION FORM

Cash RM _____

Cheque no. _____ for the amount of RM _____ (non refundable) payable to "The Institution of Engineers, Malaysia" and crossed as a/c payee only

FULL PAYMENT must be settled before commencement of the seminar, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participant fails to attend the course, the fee is to be settled in full. If the participant failed to attend the course, the fee paid is non refundable. The Registration Fee includes lecture notes, refreshment and lunch (whichever available).

For ONLINE REGISTRATIONS, please note that payment MUST be made BEFORE the closing date. If payment is not received within the stipulated time, the registration fee will be reverted to the normal registration fee.

Contact Name:				
Organisation:				
designation				
Mailing Address:				
Contact Nos.:	Tel:		Fax:	
Hand phone No.				
E-mail:				

SIGNATURE _____

STAMP _____