The Institution of Engineers, Malaysia

BlueScope | Colorbond®

Half Day Seminar

Engineering Excellence in High-Strength Cold -Formed Steel

Organised by
Civil and Structural Engineering Technical Division, IEM In Collaboration with NS BlueScope Malaysia Sdn Bhd

Events Details :

LIMIT TO 100 PAX ONLY

FREE ENTRY

12TH AUGUST 2025
TUESDAY

9AM TO 1PM

MALAKOFF, AUDITORIUM, GROUND FLOOR, WISMA IEM, PJ

SYNOPSIS

COLD-FORMED STEEL STRUCTURES TO MS EN1993

- THE ROLE OF COLD-FORMED STEEL IN MODERN CONSTRUCTION.
- STRUCTURAL DESIGN PRINCIPLES AND COMPLIANCE WITH MALAYSIAN STANDARDS (MS EN1993)
- KEY CONSIDERATIONS AND DESIGN CALCULATIONS.
- CASE STUDIES ON DESIGN, LOCAL COMPATIBILITY, CHALLENGES, AND RECOMMENDATIONS.

PERFORMANCE AND DURABILITY OF COATED STEEL

- IMPACT OF COATED STEEL QUALITY ON STRUCTURAL PERFORMANCE AND SERVICE LIFE.
- DURABILITY OF COATED STEEL SOLUTIONS IN DIFFERENT ENVIRONMENTS.PERFORMANCE VALIDATION THROUGH CASE STUDIES AND REAL-WORLD APPLICATIONS

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BEM APPROVED CPD HOURS :
REF NO. : APPLYING

www.myiem.org.my

Agenda

08:30 – 09:00 am - Registration
09:00 – 09:05 am - Welcome address by IEM
09:05 – 10:05 am - Presentation by Speaker 1: Ng Cheah Haur
10:05 – 10:30 am - Q & A
10:30 – 10:45 am - Group Photo & Break
10:45 – 12:30 am - Presentation by Speaker 2: Assoc. Prof. Dr. Tan Cher Siang
12:30 – 01:00 pm - Q&A Session

Keynote Speakers	Profile
 **Assoc. Prof. Dr. Tan Cher Siang Associate Professor in the Faculty of Civil Engineering at Universiti Teknologi Malaysia (UTM)**	Dr. Tan Cher Siang is a accomplished Associate Professor in the Faculty of Civil Engineering at Universiti Teknologi Malaysia (UTM). His expertise spans structural steel works, 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 steel works. He is a certified HRDF trainer (TTT certificate no: 17289), a dedicated member of the Malaysia Cold-formed Steel Institution (MyCSI)
 **Mr Ng Cheah Haur Technical Consultation Manager, NS BlueScope Malaysia Sdn Bhd**	Mr Ng Cheah Haur graduated from the University of Malaya in 2005 with the Degree of Civil Engineering and obtained the Master of Science in Management of Technology from the National University of Singapore in 2010. He has 20 years of solid experience in the building and construction industry, covering civil and structural engineering design, project management, product development, and testing. A few renowned projects that he was involved in are Putrajaya Mosque, Car Showroom at Loke Yew, Sunway Pyramid Extension, Bartley to Airport Road Flyover Bridges, Food Factory at Admiralty Road, SIM Campus, Car Showroom at Leng Kee Road, etc. In his current role with NS BlueScope Malaysia, he is responsible for providing technical support to users, product development and hosting CPD accredited seminars & webinars with professional bodies such as Pertubuhan Akitek Malaysia (PAM), Royal Institution of Surveyors Malaysia (RISM), The Institution of Engineers, Malaysia (IEM) and government bodies such as Jabatan Kerja Raya (JKR) regarding coated steel, roofing solutions and steel application