

Half-Day Seminar on “Advanced Insights into Steel Structural Systems: Performance, Compliance & Applications”

(Co-organised with NS BlueScope Lysaght Malaysia Sdn. Bhd.)

Date : Saturday, 21 June 2025
Time : 9:00 a.m. – 1:00 p.m.
Venue : Grand Paragon Hotel, Johor Bahru
Speaker : (1) Mr. Ng Cheah Haur – Technical Solution Manager, NS BlueScope Malaysia Sdn. Bhd.
(2) Mr. Liew Kheag Hoong – Specification and Product Development Manager,
NS BlueScope Lysaght Malaysia Sdn. Bhd.

Synopsis

This seminar provides civil engineers with practical insights into steel performance in modern construction, focusing on material science, regulatory compliance, precision installation, and structural applications.

Key topics include the durability of steel—examining thickness, environmental exposure, and adherence to stringent standards—supported by real-world case studies and strategies for warranty optimization. The session also covers best practices for the design and installation of metal roofing and walling, including design detailing, fastener selection, curved roof criteria, skylights and insulation, and roof drainage, to ensure a functional and practical roof build-up system. Finally, attendees will explore structural metal decking systems, with an emphasis on load distribution, composite versus non-composite performance, and alignment with manufacturer specifications. Case study projects will illustrate effective implementation.

Designed for practising civil and structural engineers, this seminar delivers essential technical knowledge to improve the quality of steel-based designs, enhance code compliance, and support long-term structural performance.

Time	Tentative Programme
8:30 a.m. – 9:00 a.m.	Registration
9:00 a.m. – 9:05 a.m.	Welcome Speech by IEM (SB) Organizing Committee and Lysaght
9:05 a.m. – 10:30 a.m.	Part I: Steel Material: Performance, Compliance & Warranty
10:30 a.m. – 10:45 a.m.	Coffee Break
10:45 a.m. – 11:30 a.m.	Part II: Steel in Cladding Application: Sheets Design & Installation
11:30 a.m. – 12:30 p.m.	Part III: Steel in Structural Decking System: Compliance & Application
12:30 p.m. – 1:00 p.m.	Question & Answer Session
1:00 p.m.	Closing & End of Talk (LUNCH IS PROVIDED)

About the Speakers:



Mr. Ng Cheah Haur completed his Bachelor's Degree in Civil Engineering at the University of Malaya in 2005. He subsequently pursued a Master of Science in Management of Technology at the National University of Singapore, graduating in 2010. With a rich 20-year history in the building and construction sector, his expertise encompasses civil and structural engineering design, project management, product development, and testing. He has played a pivotal role in significant projects, including the Putrajaya Mosque, Loke Yew Car Showroom, Sunway Pyramid Extension, Bartley to Airport Road Flyover Bridges, Admiralty Road Food Factory, SIM Campus, and Leng Kee Road Car Showroom, among others. In his current role at NS BlueScope Malaysia, Mr. Ng is responsible for providing technical assistance to users, driving product development, leading the digital transformation of Lysaght metal products through the Lysaght BIM object collection, and conducting CPD-accredited "Lysaght Solution and You" webinars.

Mr. Liew Kheag Hoong is a seasoned business and management executive with over 25 years of experience collaborating with executive teams in multinational companies. He earned his Bachelor of Engineering (Chemical) from Monash University in 1995 and later pursued a Master of Business Administration (General Management) from the University of Southern Queensland in 2011. Beginning his career as a chemical engineer, Liew progressively advanced through roles in Operations, Quality Assurance, Process Improvement, Sales & Marketing, and Project Management within globally renowned manufacturing companies. Currently specializing in technical marketing and product management, he plays a pivotal role in educating customers and stakeholders on product specifications, performance, and applications. Mr. Liew is deeply passionate about enhancing product understanding by providing professional advice and creating actionable content. His diverse background and extensive experience contribute to his effectiveness in driving successful technical marketing strategies.



Participant Fees:

Grade	Fee
IEM Members	RM 90.00
Non-IEM Member	RM 150.00

Closing Date: 17 June 2025

**EARLY BIRD FOR IEM MEMBERS
BEFORE 9th JUNE 2025
RM 70.00 NETT**

Registration will be on a first-come-first-serve basis. Kindly return the reply slip to the IEM (SB) office before **17 June 2025** 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**
**Half Day Seminar on “Advanced Insights into Steel in Structural Systems:
Performance, Compliance & Application”**
Saturday, 21 June 2025, 9:00 a.m. – 1:00 p.m.
at Grand Paragon Hotel, Johor Bahru.

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:

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