

Half Day Seminar on “Optimising Structural Integrity: Load Considerations in the Design of Metal Roofs, Walls, and Steel Decking”

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

Date : Saturday, 27 April 2024
Time : 9.00 a.m. – 1.00 p.m.
Venue : St. Giles Southkey Johor Bahru, Mid Valley Southkey, 1, Persiaran Southkey 1, Kota Southkey, 80150 Johor Bahru, Johor.
Speaker : (1) Mr. Ng Cheah Haur (2) Ms. Suraya Johari

Synopsis

In the pursuit of architectural innovation and structural longevity, optimising structural integrity is paramount. Join our experts for a comprehensive guide to understanding load dynamics influenced by various designs, roof materials, and local topography. Discover the art of calculating wind loads to ensure the stability and durability of your metal roof and wall structures, in accordance with MS EN 1991-1-4:2017. Elevate your steel structure design of composite slabs with profiled steel sheeting through EN 1993-1-1 Eurocode 3, thus enhancing the strength of your creations.

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) Organising Committee and Lysaght
9.05 a.m. – 10.30 a.m.	Optimising Structural Integrity: Load Considerations in the Design of Metal Roofs, Walls, and Steel Decking Part I: Understanding Wind Loads, Wind Load Calculation According to MS EN 1991-1-4:2017, and the Case Studies
10.30 a.m. – 10.45 a.m.	Coffee Break
10.45 a.m. – 11.30 a.m.	Optimising Structural Integrity: Load Considerations in the Design of Metal Roofs, Walls, and Steel Decking Part II: Metal Roof and Wall Wind Uplift Capacity: How to Determine It and Profile Selection
11.30 a.m. – 12.30 p.m.	Optimising Structural Integrity: Load Considerations in the Design of Metal Roofs, Walls, and Steel Decking Part III: Steel Decking
12.30 p.m. – 1.00 p.m.	- Case study and Discussion - Question & Answer Session
1.00 p.m.	Closing & End of Talk

About the Speaker:



Mr. Ng Cheah Haur completed his Bachelor's Degree in Civil Engineering from the University of Malaya in 2005. Subsequently, he pursued a Master of Science in Management of Technology from the National University of Singapore, graduating in 2010. With a rich 17-year history in the building and construction sector, his proficiencies encompass 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, Leng Kee Road Car Showroom, among others. In his present role at NS BlueScope Malaysia, Mr. Ng Cheah Haur is currently the Technical Solution Manager and is tasked with providing technical assistance to users, steering product development, orchestrating the digital evolution of Lysaght metal products via the Lysaght BIM object collection, and conducting CPD-accredited Lysaght Solution and You webinars.

Ms. Suraya Johari is currently the Technical & Design Manager of NS BlueScope Lysaght Malaysia Sdn. Bhd. She possesses over 17 years of technical and leadership experience, including 7 years in senior executive roles covering both technical and operational aspects. Her diverse background spans construction and education industries. As a former Technical Manager at BWYS Group's R&D division, she drove innovative initiatives. With 6 years as a lecturer, she's been actively involved in accreditation processes for the Malaysian Qualifications Agency (MQA) and Engineering Accreditation Council Malaysia (EAC). She's a vital contributor to the Construction Industry Development Board Malaysia (CIDB) since 2009, with expertise in National Occupational Skill Standard (NOSS), Construction Industry Standard (CIS), and Industrialized Building System (IBS). Suraya has 7 years of experience as a respected trainer and speaker, engaging with entities like Public Works Department Malaysia (JKR), CIDB, and polytechnics. Educated with a Master of Science in Construction Management and a Bachelor of Civil Engineering from Universiti Teknologi Malaysia, Suraya inspires and guides her team towards innovative technologies and collective objectives.



Participant Fees:

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

Closing Date: 23 April 2024

**EARLY BIRD FOR IEM MEMBERS
BEFORE 19TH APRIL 2024
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 **23 April 2024** 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 to 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)

BEM Approved
CPD Hours: 4.0
Ref No: IEM24/SB/038/S

REPLY SLIP

To: Hon. Secretary, The Institution of Engineers, Malaysia (Southern Branch) **Fax: 07 – 3363406**
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Saturday, 27 April 2024, 9.00 a.m. – 1.00 p.m.
at St. Giles Southkey 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:

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

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Signature: Date:

Note : Kindly **email to iemsouthern@gmail.com the Reply Slip together with the payment slip for confirmation.**
: Attendance by representative will not be issued with the Certificate of Attendance.

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