IEM The Institution of Engineers, Malaysia

LYSAGHT

# HALF DAY SEMINAR ON "OPTIMISING STRUCTURAL INTEGRITY: LOAD CONSIDERATIONS IN THE DESIGN OF METAL ROOFS, WALLS, AND STEEL DECKING"

## by Mr. Ng Cheah Haur & Ms. Suraya Johari

LIMIT 120 SEATS only

**DATE : 28 FEBRUARY 2024 (WEDNESDAY)**
**PLATFORM :PHYSICAL**
**PHYSICAL - AUDITORIUM MALAKOFF, GROUND FLOOR, WISMA IEM, PETALING JAYA.**
**TIME : 9.00 A.M. - 1.30 P.M.**
**CPD HOURS : 4 HOURS**
**CPD REF NUMBER : IEM24/HQ/004/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 : 21 FEBRUARY 2024

In Collaboration with :
Civil and Structural Engineering Technical Division (CSETD), IEM & NS BlueScope Lysaght Malaysia

# BIODATA OF THE SPEAKER

## Mr. Ng Cheah Haur

Ng Cheah Haur
Technical Solution Manager,
NS BlueScope Malaysia Sdn Bhd

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, Ng Cheah Haur 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

Ms. Suraya Johari
Technical & Design Manager,
NS BlueScope Lysaght Malaysia Sdn Bhd

Suraya 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.

# 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.**

# PROGRAM OUTLINE

| | |
|---|---|
| 8.30 am – 9.00 am | Registration & breakfast |
| 9.00 am – 9.05 am | Welcome address by IEM & Lysaght |
| 9.05 am – 10.15 am | Optimising Structural Integrity: Load Considerations in the Design of Metal Roofs, Walls, and Steel Decking<br>Part I: Understanding Wind Loads, Wind Load Calculation According to MS EN 1991-1-4:2017, and the Case Studies |
| 10.30 am – 10.30 am | Q&A -Part I |
| 10.30 am – 10.45am | Morning tea break |
| 10.45 am - 11.15 am | Optimising Structural Integrity: Load Considerations in the Design of Metal Roofs, Walls, and Steel Decking<br>Part II: Metal Roof and Wall Wind Uplift Capacity: How to Determine It and Profile Selection |
| 11.15 am – 11.30 am | Q&A -Part II |
| 11.30 am – 12.30 pm | Optimising Structural Integrity: Load Considerations in the Design of Metal Roofs, Walls, and Steel Decking<br>Part III: Steel Decking |
| 12.30 pm – 12.45 pm | Q&A -Part III |
| 12.45 pm – 1.00 pm | Token of appreciation to speaker & group photo session |
| 1.00 pm – 2.00 pm | End of session & lunch |

**"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

**HALF DAY SEMINAR ON "Optimising Structural Integrity: Load Considerations in the Design of Metal Roofs, Walls, and Steel Decking"(PHYSICAL)**
**28 FEBRUARY 2023 (WEDNESDAY)**
**Email : shamalah@iem.org.my /shahrul@iem.org.my**

| REGISTRATION FEE'S (subject to 6% 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)* |
|---|---|---|---|---|
| | | | | |
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| | | | | |
| SUB TOTAL | | | | |
| (PLEASE ADD) + SST 6% | | | | |
| 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: 603-7968 4001/2 Fax : 603-7957 7678**

**Email : shamalah@iem.org.my /shahrul@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.

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

SIGNATURE _____

STAMP _____

# ADVERTISEMENT BOOKING FORM
# (EVENT BOOKLET)

**HALF DAY SEMINAR ON "Optimising Structural Integrity: Load Considerations in the Design of Metal Roofs, Walls, and Steel Decking"(PHYSICAL)**
**28 FEBRUARY 2023 (WEDNESDAY)**
**Email : shamalah@iem.org.my /shahrul@iem.org.my**

**Chairman, Civil & Structural Engineering Technical Division (CSETD),**
**We would like to place an advertisement in the EVENT BOOKLET of the HALF DAY SEMINAR ON "Optimising Structural Integrity: Load Considerations in the Design of Metal Roofs, Walls, and Steel Decking"(PHYSICAL) (28 February 2023) as indicated below and attach herewith**
**cheque no. ..... for the sum of RM ..... made payable to "THE INSTITUTION OF ENGINEERS, MALAYSIA" being our booking fees:-**

| Tick (√) | Location | Adv rate | Complimentary Participant Seat | Promotion Table @ Registration Foyer Only |
|---|---|---|---|---|
| | Outside Back Page (Colour) | RM 6,000.00 | 3 seats | 1 table 2 chairs |
| | Inside Front Page (Colour) | RM 4,500.00 | 2 seats | 1 table 2 chairs |
| | Inside Back Page (Colour) | RM 4,500.00 | 2 seats | 1 table 2 chairs |
| | Inside Run of Page (Colour) | RM 2,500.00 | 1 seats | nil |

## PAYMENT DETAILS

- **Account Name : THE INSTITUTION OF ENGINEERS, MALAYSIA**
- **Account Number : 232-303-911-0**
- **Bank Name : UNITED OVERSEAS BANK (UOB)**
- **Bank Address : NO 2-6, JALAN TENGAH, 46200 PETALING JAYA, SELANGOR**
- **Swift Code : UOVBMYK1025**
- **Email Address for Receiving Remittance Advise : finance@iem.org.my/shamalah@iem.org.my/shahrul@iem.org.my**

## CONTACT INFO

| | | | | |
|---|---|---|---|---|
| **Contact Name:** | | | | |
| **Organisation:** | | | | |
| **Designation** | | | | |
| **Mailing Address:** | | | | |
| **Contact Nos.:** | **Tel:** | | **Fax:** | |
| **Contact Num** | | | | |
| **E-mail:** | | | | |

**SIGNATURE** _____ **STAMP** _____

***In Collaboration with :***
***Civil and Structural Engineering Technical Division (CSETD), IEM &***
***NS BlueScope Lysaght Malaysia***