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(SOUTHERN BRANCH)

**Half-Day Seminar on
 “Lightweight Steel Framing System:
 A Sustainable Solution for Now and Future”**

REGISTRATION FORM

Name(s)	M/ship No	Grade	Fees
TOTAL			

Enclosed herewith a Cheque No. : _____ for the sum of RM _____ issued in favour of “*The Institution of Engineers, Malaysia (Southern Branch)*” and crossed ‘*A/C Payee Only*’. If I/we fail to attend the course, the fee paid will not be refunded.

Contact Person: Designation :

Name of Organisation:

Address:

Tel (O) : Fax :

Mobile : E-mail:

.....
 Signature Date

Kindly return the Reply Slip to the IEM (SB) office before **24th April 2018** together with a non-refundable cheque for the participant fees made payable to ***The Institution of Engineers, Malaysia (Southern Branch)***.

For **ONLINE REGISTRATION**, payment **MUST BE MADE VIA ONLINE PAYMENT** (bank-in the participant fees into the Institution’s Maybank Current Account (No. 5-013920-15708) before the **closing date**.

Half-Day Seminar on

**“Lightweight Steel Framing System:
 A Sustainable Solution for Now and Future”**

Organizer:

**The Institution of Engineer, Malaysia
 (Southern Branch)**

In-collaboration with

NS BlueScope Malaysia Sdn Bhd

BEM APPROVED CPD/PDP HOURS: 4
 IEM18/SB/153/S

Date:

28 April 2018 (Saturday)

Venue:

The Mutiara Hotel, Johor Bahru

Grade	On-line	Normal
IEM Corporate Member & IEM Graduate Member (30 years and above)	RM 80.00	RM 100.00
IEM Graduate Member (Below 30 years)	RM 70.00	RM 90.00
IEM Senior Engineers (60 years and above)	RM 70.00	RM 90.00
IEM Student Members	RM 60.00	RM 80.00
Non IEM Member	RM 140.00	RM 160.00

Closing Date: 24th April 2018 (Tuesday)

Synopsis

The concept of Light Weight Steel Framing (LWSF) started in USA and Europe more than 100 years ago, and the system has continued to evolve and improved since then. Today it is widely used in Australia, New Zealand, Europe and Asia. Light Weight Steel Framing systems acceptance increased primarily in residential housing projects but also become the preferred system for JKR school projects in Malaysia. Having said that, coated steel has been widely used as lightweight steel framing because of its sustainability benefits such as lightweight, longer life cycle and recyclability over conventional material.

As a building's framing works in conjunction with its foundation to provide strength and stability for the structure; it is also another critical component of the load path. The integrity of the overall building depends not only upon the strength of these components, but also on the adequacy of the connections that exist between them.

With the demand for green, sustainable and affordable solutions has also grown exceptionally and becoming more important in Malaysia's building & construction arena in recent years. This is especially true for affordable housing project, whereby balancing the requirement of sustainability, cost and lead-time is often the critical success factor for such projects.

In this presentation, the speakers will share about:

1. The trend of LWSF in AU and MY, and case studies in AU and MY demonstrates the benefits and advantages of the benefits and advantages vs conventional brick and mortar system.
2. Type of coated steel used for lightweight steel framing & coated steel's performance case studies in such application which cover the corrosion resistance of various coated steel.
3. Innovation breakthrough and technical advantages of a comprehensive integrated solution, consist of primarily a steel house framing system, combined with other steel components & how this is able to successfully meeting the affordability and sustainability requirements for housing projects.
4. Important criteria in design, covering Design loadings, Serviceability, Geographical (Wind, sea), applications (Industrial, commercial), Authority needs compliance to local approval by laws, M&E Services, Design life span & Specifications.

Biodata of Speakers

Mr. Alan Lee obtained his Bachelor Degree in Electrical & Electronic Engineering & Bachelor of Commerce from University of Western Australia in 1996. Mr. Alan also holds MBA in Financial modelling from the Graduate School of University of Western Australia in 2001. He is the Sales Manager of NS BlueScope Malaysia. Mr. Alan has 15 years of solid experience in coated steel industry for local and Singapore market, covers the portfolio of roofing, walling and structural solutions, as well as steel framing system. Entrusted to be the main person in charge in developing the Light weight Steel Frame for NS BlueScope in 2013, Alan was tasked with the core duty to promote the Enduroframe®

System from Australia as a robust alternative to the conventional brick and mortar system for residential and light industrial application. As one of the pioneer framing system introduced into Malaysia, with Alan's effort, today Enduroframe® System has become the popular choice for IBS system for single and double storey residential as well as light industrial buildings.

Mr. James Lim is the Director of Superspan Sdn Bhd. He received his Degree in Civil Engineering, Solar Photovoltaic ISPQ in 1984. After graduation he started his career with Mitek Australia S.E.A. Regional Office as Engineering Manager and has an extensive exposure in design and manufacturing of "Truss & Frame" businesses. He travelled extensively to various countries in South East Asia providing technical supports to clients on designs and engineering applications. Currently operates his businesses in "Truss & Frame", Aluminum Structures and Solar Photovoltaic Renewable Energy under the Brands of SuperSpan, Ducero, Dayatera and Solar Sentinel. He owns manufacturing facilities in Malaysia and Indonesia. His new ventures into production of Wall Frame business opens up the opportunity in Modular Housing.

Dato' Chan Wah Kiang graduated with Bachelor of Science from Campbell University, USA in 1983. Dato' Chan Wah Kiang is the Group Managing Director of AJIYA Bhd, and the panel member of Industry Expert Advisory Panel - Entrepreneurship Programme set up by Tunku Abdul Rahman College (TARC) Johor Branch. He is also the Council Member of Industrial Advisory Council for Politeknik Port Dickson and one of UCSI University's external advisory panel members who contributes to the development of its entrepreneurship programme. With more than 30 years of experience in the Building and Construction Industry, Dato's Chan envisions to share his experience, knowledge and technical expertise and industry insights in promoting construction excellence and sustainable built environment in Malaysia.

Mr. Jack Chum is Technical Marketing Manager for NS BlueScope Malaysia. He received his Bachelor Degree (Honours) in Material Engineering from Universiti Sains Malaysia. He is responsible for Product Innovation and Technical Service for NS BlueScope Coated Products covering ASEAN. He has more than 12 years of experience in steel related industries and he has been involved in Process Improvement, Quality Assurance, Product Failure Analysis, Product Development and Product Specification. He had assisted the company in developing technology such as THERMATECH® and REFLECT™ technology to increase solar reflectance properties of coated steel as part of the latest environmental friendly initiative. He is also a member of Technical Committee (TC) with SIRIM Berhad in setting up Malaysia Standard (MS) for Alloy Steel and Coated Steel such as MS 1196, MS 2657 and SIRIM Eco-Label for Coated Steel.

PROGRAMME

8.30 a.m. – 9.00 a.m.	Registration
9.00 a.m. – 9.10 a.m.	- Welcome Speech By IEM (SB) Organising Committee - Opening Speech by NS BlueScope Malaysia Sdn Bhd
9.10 a.m. – 9.45 a.m.	- Introduction to Light Weight Steel Framing System: trend/ prospect and outlook, project reference/case studies in Malaysia & Australia by Mr Alan Lee, NS BlueScope Malaysia Sdn Bhd
9.45 a.m. – 10.30 a.m.	- Design of Light Weight Steel Framing System– standard reference, design criteria, and good practise by Mr. James Lim, Superspan Sdn Bhd
10.30 a.m. – 10.45 a.m.	- Tea / Coffee Break
10.45 a.m. – 11.30 a.m.	- Integrated Building Solutions Using Light Weight Steel – A Green, Sustainable And Affordable Approach For Housing Projects by Dato’ Chan Wah Kiang, Asia Roofing Industries Sdn Bhd
11.30 a.m. – 12.20 p.m.	Introduction of Coated Steel for Lightweight Steel Framing By Mr. Jack Chum, NS BlueScope Malaysia Sdn Bhd
12.20 a.m. – 12.45 p.m.	- Questions & Answers Session
12.45 p.m.	- End of Seminar - Lunch