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REGISTRATION FORM

HALF DAY TECHNICAL SEMINAR ON "STEEL DESIGN IN S460"

24 May 2017

No	Name(s)	Membership No.	Grade	Fee (RM)*
SUB TOTAL				
ADD 6% GST				
Total Payable				

IMPORTANT NOTES

- **Closing Date: 20th May 2017**
- **For ONLINE REGISTRATION, payment MUST BE MADE ON REGISTRATION [via RHB Now and Maybank2u - Personal Saving & Personal Current; Any Credit Card - Visa/Master.**
- **Payment via CASH/CHEQUE/BANK-IN TRANSMISSION/BANK DRAFT/MONEY ORDER/ POSTAL ORDER/LOU/LOG/WALK –IN will be considered as NORMAL REGISTRATION**
- **FULL PAYMENT must be settled before commencement of the event, 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. IEM reserve the right to reject any LOU/LOG not in accordance with these instructions.**

The Organising Committee reserves the right to alter or change the programme due to unforeseen circumstances.

Contact Person: _____ Designation:_____

Name of Organization: _____

Address: _____

_____

Telephone No.: _____ (O) _____ (Fax)

_____ (H) _____ (HP)

Email: _____

_____ Signature & Stamp

_____ Date

Photocopies are acceptable

IEM The Institution of Engineers, Malaysia

ArcelorMittal

HALF DAY TECHNICAL SEMINAR ON "STEEL DESIGN IN S460"

Organised and hosted by
Civil and Structural Engineering Technical Division,
The Institution of Engineers, Malaysia
In Collaboration with
ArcelorMittal International, Singapore

Date : 24th May 2017 (Wednesday)
Venue : Armada Hotel, Petaling Jaya, Selangor
Time : 8.30 a.m. – 12.30 a.m.
Speaker : Mr Jean Claude Gerardy and Mr Ted Lee Kok Tien

BEM Approved CPD Hours : 3.5 Hours
Ref : IEM17/HQ/174/S

Registration Fee (SUBJECT TO 6% GST)	
	ONLINE / NORMAL (MYR)
IEM Student Members	50.00
IEM Graduate Members	80.00
IEM Corporate Members	100.00
Non-IEM Members	150.00
**GST is implemented effective from 1st April 2015*	

Cancellation Policy

IEM reserves the right to postpone, reschedule, allocate or cancel the course. Full refund less 30% if cancellation is received in writing more than 7 days before start date of the event. No cancellation will be accepted prior to the date of the event. However, replacement or substitute may be made at any time with prior notification and substitute will be charged according to membership status.

Personal Data Protection Act

I have read and understood the IEM's Personal Data Protection Notice published on IEM's website at http://www.myiem.org.my and I agree to IEM's use and processing of my personal data as set out in the said notice.

Synopsis

The drive to save material and achieve even greater efficiency in design has altered the landscape of steel design. The trend to use higher steel grades has seen an increased use of S460, mirroring the move from S275 to S355 over recent years. S460 grades offer designers and fabricators alike an opportunity to enhance designs and achieving greater value engineering than previously possible.

This seminar will show how increased design efficiencies are achieved using S460 and HISTAR grades in EC3, highlighting the possible scale of benefit. Additionally the innovative QST production route, which achieves greater through thickness yields compared to EN 10025-4 is explained, along with the use of a European Technical Assessment (ETA). The seminar will also present connection designs based on EN 1993 and share the good practice on connection fabrication and erection. The speakers will also demonstrate how to use free in-house design software to design composite columns with fire.

Objectives

- To increase the awareness of using S460 structural steel for various construction applications
- To introduce the use of S460 in achieving higher construction productivity and quality
- To promote better design and fabrication practices for sound connection system.
- To provide a platform for exchange of view among various stakeholders in steel construction industry.

About The Speakers

Speaker 1: Mr Jean-Claude Gerardy

Jean-Claude (JC) Gerardy is a current CTBUH Advisory Group member and was involved in originating two major CTBUH research projects: "A Whole Life Cycle Assessment of the Sustainable Aspects of Structural Systems in Tall Buildings" and "Study on the Constructability and the Engineering Properties of Composite Megacolumns." A structural engineer from the University of Liege in Belgium, he started his career in ArcelorMittal research department (formerly ARBED research). During that time, he was involved in the development of Eurocodes on steel and composite structures. He was also representing ArcelorMittal within ASTM (American Society for Testing and Materials), AWS (American Welding Society), AISC (American Institute of Steel Construction) and the SSPC (Steel Shapes Producer Council). He has provided technical expertise and advice on the steel design and construction of various tall buildings in the world, such as New York Freedom Tower, Shanghai Financial Centre, Burj Khalifa and etc.

*CTBUH- The Council on Tall Buildings and Urban Habitat is the world's leading resource for professionals focused on the inception, design, construction, and operation of tall buildings and future cities.

Speaker 2: Mr. Ted Lee Kok Tien

Ted Lee Kok Tien is based in ArcelorMittal International Singapore, responsible for the technical marketing and business development of steel products used in construction industry for Asia Pacific region. Mr. Lee holds a Master of Engineering in Civil Engineering degree from University of Nottingham. He has advised and worked with clients across the region on the use of innovative construction products in geotechnical, infrastructure and building projects, and has given technical talks in various companies, professional bodies and institutions.

Seminar Schedule & Outline

08:30 - 09:00	Course Registration
09:05 – 10:30	**Session 1:** **An Overview of S460 Structural Steel** ❖ Evolution of structural steel yield strength ❖ Code and standard for S460 ❖ Advantages of S460 and ETA ❖ Applications ❖ Projects reference and case studies
10:30 – 10:55	Tea Break
11:00 – 12:30	**Session 2:** **Welded and Bolted Connection Design and Fabrication for Jumbo Sections** ❖ Design for welded and bolted connections according to EN standard ❖ Comparison of welded and bolted connection ❖ Good practice on connection fabrication and erection **Session 3:** **Design Software Walk-Through** ❖ Composite column design using software A3C according to EN ❖ Solution for fire protection ❖ Tools for engineers
12.35 – 12:55	Feedback / Questionnaires End of Seminar
13:00 – 14:00	Lunch