

### One Day Seminar on

### “Introduction to Structural Timber Design (MS544 and EUROCODE 5)”

BEM Approved  
 CPD/PDP Points: 5  
 Ref No.: IEM18/SB/377/S

Date : 26<sup>th</sup> January 2019 (Saturday)  
 Time : 9.00 am – 4.00 pm  
 Venue : IEM (Southern Branch) Training Centre  
 Speaker : Dr. David Yeoh Eng Chuan

#### LEARNING KEY OUTCOME

The use of timber for structural purpose has been extremely rare for many decades in Malaysia. This could be due to two major phenomenon attributing to the lack of an established “ecosystem” for structural timber application, and a lack of understanding on this material amongst the technical team (for instance developer, town planner, architect, and engineer) both in the private and public sectors. This Seminar primarily attempts to address the latter by first giving an introductory awareness to the potential use of timber for structural applications and the know-how of designing following the Malaysian code of practice on the basis of Allowable Stress Design (MS544) and the internationally accepted code of practice on the basis of Limit State Design – Eurocode (EC5).

Hence the key learning outcomes for each candidate to this Seminar will be:

- To know the potential of timber and engineered timber for structural applications
- Understand the important behaviour of timber – mechanical and physical properties in the context of structural use.
- Understand the durability issues of timber in relation to moisture content and usage environment.
- Able to perform basic design calculations in accordance to allowable stress and limit state design philosophies.

<u>Registration fee</u>	<u>On-line</u>	<u>Normal</u>
<b>IEM Corporate Member and Graduate Member</b>	<b>320.00</b>	<b>340.00</b>
<b>IEM Senior Members (60 years and above)</b>	<b>310.00</b>	<b>330.00</b>
<b>IEM Graduate Member (Below 30 years)</b>	<b>230.00</b>	<b>250.00</b>
<b>IEM Student Member</b>	<b>90.00</b>	<b>110.00</b>
<b>Non IEM Member</b>	<b>400.00</b>	<b>420.00</b>

#### TENTATIVE PROGRAM

Time	
8.45am	Registration
9.15am	Introduction to structural use of timber (including engineered timber).
10.30am	Tea Break
10.45am	Understanding timber as a structural material.
11.30am	Structural timber design in accordance to MS544.
12.45pm	Lunch
2.00pm	Structural timber design in accordance to Eurocode 5.
3.30pm	Discussion/Q&A Session
4.00pm	End

#### BIODATA OF SPEAKER

##### Biodata of Speaker : Dr. David Yeoh

Dr. David Yeoh holds a Doctor of Philosophy in Civil Engineering specializing in timber-concrete composite floors from the University of Canterbury in 2010. He is an Associate Professor at the Faculty of Civil and Environmental Engineering of University Tun Hussein Onn Malaysia (UTHM). He has more than 15 years of academic and research experience, where his specific research studies are related to short- and long-term behaviour of timber structures, and timber post-tensioned applications.

Outside the academic arena, Dr David Yeoh also has local and overseas working experiences as Structural Engineer. His key experiences in engineering consultancy were mainly in structural design and post-earthquake structural assessment primarily for residential buildings.

Dr. David Yeoh has also been involved in reviewing for Journal of Structural Engineering under the American Society of Civil Engineers (ASCE). He is also a member of the Malaysian Standard Committee for Structural Use of Timber and has been directly involved as a working group for the drafting of several parts of the standardizations.

**Closing for registration: 23<sup>rd</sup> January 2019**

**REGISTRATION FORM**

**One Day Seminar On**

**“Introduction to Structural Timber Design (MS544 and EUROCODE 5)”**

**26<sup>th</sup> January 2019 (Saturday)**

Name(s)	IEM M/ship No. and Grade	H/P No. and Email	AMOUNT (RM)
<b>TOTAL AMOUNT PAYABLE (RM) :</b>			

**PERSONAL DATA PROTECTION ACT**

*I have read and understood IEM’s Personal Data Protection Notice published on IEM’s website at [www.myiem.org.my](http://www.myiem.org.my) and I agree to IEM’s use and processing of my personal data*

**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 fails to attend the course, the fee paid is non-refundable. Registration fee includes lecture notes, refreshment and lunch. The Organizing Committee reserves the right to cancel, alter, or change the program due to unforeseen circumstances. Every effort will be made to inform the registered participants of any changes. In view of the limited places available, intending participants are advised to send their registrations early to avoid disappointment.

**(A) CONTACT DETAILS**

Company : \_\_\_\_\_ Contact Person : \_\_\_\_\_

Address: \_\_\_\_\_

Telephone No.: \_\_\_\_\_ (Off) \_\_\_\_\_ (Fax) \_\_\_\_\_ (HP) \_\_\_\_\_

Email: \_\_\_\_\_ Signature: \_\_\_\_\_

**(B) PAYMENT DETAILS**

By Cash / Cheque no. \_\_\_\_\_ dated \_\_\_\_\_ for the amount of RM \_\_\_\_\_ (non-refundable) and made payable to “THE INSTITUTION OF ENGINEERS, MALAYSIA (SOUTHERN BRANCH)” and crossed ‘A/C Payee Only’. 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. Kindly return the Reply Slip to the IEM (SB) office before **23<sup>rd</sup> January 2019** 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**.