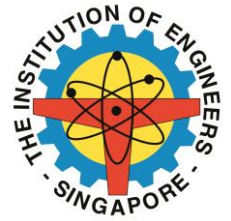


Increasing Productivity: New Developments in Construction Methods & Materials

****Supported by UTAP & SFC**



INTRODUCTION

Development projects are increasingly demanding as the clients becomes more sophisticated and requires their project to be built with better productivity and sustainability. At the same time, over the years there has been a gradual accumulation of practical experience around the world on specific methods of construction like prefabricated- prefinished volumetric construction (PPVC) and materials like self- compacting concrete (SCC) and cross laminated timber (CLT). These materials and method of construction may be considered as a means to achieve sustainability and improve productivity under the right conditions. Stakeholders (Designers, Resident Engineers, Resident Technical Officers, Site Supervisors, etc) would need to have some understanding of how these materials and method can be used as they might be handling projects involving them.

OBJECTIVES

The objective of the programme is to let stakeholders understand the basic issues related to PPVC. Participants will also learn about what is SCC and the types of site/laboratory testing that can be done on SCC. The handling of CLT including connections and lifting of members together with performance attributes like sound control and fire insulation will be shared with participants. The programme will cover the different Constituent Materials with reference to the SS544 Part 2 Concrete – Complementary Singapore Standard to SS EN 206 – Part 2: Specification for Constituent Materials and Concrete.

SPEAKER PROFILE

Er. Teo Ee Huat graduated from Nanyang Technological University with a B.ENG (Civil) degree in 1996 and has since completed his MSc in Civil Engineering (NUS) and MSc in International Construction Management (NTU). He is actively involved in education and has completed his M.E.D with University of Western Australia in 2010. He is a Singapore registered Professional Engineer and Qualified Erosion Control Professional. He is currently serving as the Co-Chairman of Qualified Erosion Control Professional Panel, IES and has trained Professional Engineers as Qualified Erosion Control Professionals and also trained construction site supervisors in implementation, inspection and maintenance of Earth Control Measures. He has written papers in International journals on issues related to Construction Management and other issues.

DETAILS

Date : 1st Oct 2020

Time : 3:00PM – 10:00PM

Duration: 6 hours (1 day training)

Venue : IES Academy@Jurong East

80 Jurong East Street 21, #04-10 Devan Nair Institute for Employment and Employability Singapore 609607

CPD : 6 STU (Structural) - Confirmed
6 PDU / 6 CEng (PDU) – To Be Confirmed

Fee (include GST):

IES Member: \$246.10

Non-member: \$288.90

IES Academy@Jurong East

80 Jurong East Street 21, #04-10
Devan Nair Institute for Employment and Employability
Singapore 609607

Contact Person: Lee Jing Min (Ms)

DID: 6460 4247 | Main Line: 6463 9211

E-mail: jingmin.lee@iesnet.org.sg

COURSE OUTLINES

Time	Topics Discussed
3.00pm – 4.00pm	Prefabricated-Prefinished Volumetric Construction (PPVC)
4.00pm – 4.15pm	Tea Break
4.15pm – 4.45pm	Introduction to Cross-laminated timber (CLT)
4.45pm – 5.15pm	Connections in CLT
5.15pm – 5.45pm	Performance of CLT in Fire / Sound
5.45pm – 6.15pm	Lifting and handling of CTL members
6.15pm – 7.00pm	Dinner
7.00pm – 7.15pm	Definition and history of SCC
7.15pm 7.30pm	Benefits of SCC
7.30pm – 8.00pm	Constituent materials: Coarse aggregates
8.00pm – 8.30pm	Constituent materials: Cements and additions
8.30pm – 9.00pm	Constituent materials: Admixtures and fibres
9.00pm – 10.00pm	Test for key properties of fresh SCC

Increasing Productivity: New Developments in Construction Methods & Materials (13TH Run)

****Supported by UTAP & SFC**

Date: 1ST Oct 2020 (Thursday)

Time: 3.00PM – 10.00PM

Venue: IES Academy@Jurong East

80 Jurong East Street 21, #04-10 Devan Nair Institute for Employment and Employability Singapore 609607

Fee (include GST): IES Member: \$246.10

Non-member: \$288.90

Please register online/email the completed form by 28/09/2020 before 3pm to:

Contact Person: Lee Jing Min (Ms)
IES Academy@Jurong East
80 Jurong East Street 21, #04-10
Devan Nair Institute for Employment and Employability
Singapore 609607
Tel: 6463 9211

Participant Details

*Name : _____ *NRIC : _____
(Please written in BLOCK Letter)

Company : _____ *Designation : _____

*Address 1 : _____
(For mailing of invoice and receipt)

*Postal Code : _____ Sex : _____ Male / Female _____

*Contact No. : _____ Fax : _____

*Your Email : _____
(For sending of confirmation email, preferable personal unless company sponsored)

Please indicate: IES members IES M'ship No.: _____ RE/RTO/P.E.No. _____ (if applicable)

Non-members Affiliated member: _____

Sponsored by company (Please indicate the Contact person detail)

Contact Person Details (if different from participant)

#Name : _____ #Designation : _____

#Contact No. : _____ Fax : _____

#Email : _____

Payment Details

Bank / Cheque No : _____ Amount (\$) : _____

~ All Fees are inclusive of 7 % GST.

~ Cheque make payable to **"Engineers Singapore Pte Ltd"**

Acceptance of Terms and Conditions for Registrations of IES Academy's Events

I agree to abide by the Terms and Conditions for Registration of IES Academy's Events.

Name : _____ Signature : _____

*Mandatory entry

#Compulsory Entry for participant who choose to be INVOICE to your company

TERMS & CONDITIONS COURSE REGISTRATION

Registration

Any registration, whether on-line or fax will be on a ***first-come-first-served basis*** and will only be confirmed upon receipt of full payment by Engineers Singapore Pte Ltd unless otherwise invoice to company.

All registrations must be submitted with duly completed registration form.

Closing Date

The closing date of the event will be 1 week prior to event commencement date or earlier. Cheques should be crossed 'A/C payee only' and made payable to **Engineers Singapore Pte Ltd**, with the Title of The Event indicated clearly written on the back of the cheques, and submitted with the duly completed registration forms to:

Attention to: Lee Jing Min (Ms.)
IES Academy@Jurong East
Devan Nair Institute for Employment and Employability,
80 Jurong East Street 21, #04-10
Singapore 609607

Confirmation of Registration

Confirmation of registration will be given at least 1 week before the commencement date via email. ***If you do not receive the said confirmation email, you are required to contact IESA at 6463 9211 during office hours.***

IESA reserves the right to allow only confirmed registrants to attend the Event.

Withdrawals/Refunds of Fees

Written notice at least 1 week in advance before the commencement of the event

Full course fee shall be refunded subjected to 4.5% transaction charge.

➤ **NO** refund otherwise.

No show of participant would not be accepted as a valid reason for withdrawal/refund.

One-time replacement is allowed only if written notice is received by us at least 1 week before the commencement of the event. However, when an IES member is replaced by a non-member, the participant has to pay the difference in the relevant fees.

Cancellation/Postponement

Changes in Venue, Dates, Time and Speakers for the Events can occur due to unforeseen circumstances. IES reserves the full rights to cancel or postpone the Event under such circumstances without prior reasons. Every effort, however, will be made to inform the participants or contact person of any cancellation or postponement.

Fees will be refunded in FULL if any Event is cancelled by IESA.

UTAP (Union Training Assistance Programme) is an individual skill upgrading account especially for NTUC members. As a member, you enjoy UTAP funding at 50% of the unfunded course fee capped at \$250 every year.

Please visit [HERE](#) for more information on UTAP claim.

SkillsFuture Credit (SFC) "All Singaporeans aged 25 and above can use their \$500 SkillsFuture Credit from the government to pay for a wide range of approved skills-related courses. Visit the SkillsFuture Credit website (www.skillsfuture.sg/credit) to choose from the courses available on the SkillsFuture Credit course directory."

Please visit [HERE](#) for more information on SFC & UTAP claim.

PERSONAL DATA PROTECTION ACT

I consent to the processing by Institution of Engineers, Singapore of personal data, including sensitive personal data as defined in the Data Protection Act 2014, about me for the proper purposes of Institution of Engineers, Singapore (IES). I undertake to observe the provisions of the Data Protection Act 2014 in relation to any personal data I may myself hold and process as a Members of Institution of Engineers, Singapore, and I agree to indemnify Institution of Engineers, Singapore from liability for any claims or damages that may arise from the processing of this data. For more information kindly refer to [here](#).

Enquiries

For further enquiries, please contact IESA general office at Tel: 6463 9211.