



Bridge Erection Method and its Behavior during Construction Including Design for Safety in Construction Engineering 3rd Run

By Er. Chew Boon Fei

Date: 5 & 6 December 2024, Thursday & Friday

Time: 5 December 2024: Virtual via Zoom from 2.00pm to 5.30pm

6 December 2024: Physical course from 9.00am to 5.45pm at Orchard Hotel Singapore

Address of Orchard Hotel Singapore

: 442 Orchard Road, Singapore 238879

CPD Programme : 2 STU(Safety) & 6 STU(Structural) - Confirmed
10 PDU(PEB & CEng) - Confirmed

Fees: \$403.30 (IES Members), \$452.35 (Non-Member)

- *Actual venue (hotel) will be stated in the confirmation email which will be sent to paid participant 2 weeks prior to event date*
- *Please note that attendance for both the courses are compulsory, Certificate of Attendance will be issued to participants with 100% attendance for both courses*
- **This is a blended course comprising 4 hours of zoom session and 6 hours of physical course at hotel.**
- **This course is UTAP Supported**
- **This course DOES NOT award SDU points**
- **This course is NOT SFC Funded**

- 2 Coffee Breaks (Halal)
- 1 Buffet Lunch at Orchard Cafe
- Indonesia Buffet Lunch worth \$74++
- Free parking coupons

Course outline

Two case studies will be looked into:

- (1) Incremental launching of Access Bridge for Shui Chuen O Estate, Shatin, Hong Kong
 - (2) Mega Jack-up of Sky Bridge, Hong Kong Airport
- The challenges and constraints at site (1 hr)
 - The selected erection method (1 hr)
 - The stability of the structure during erection (2 hrs)
 - The behavior of the structure during erection (2 hrs)
 - Features of design for safety in construction engineering (2 hrs)
 - Implementation and monitoring of the strategies adopted in the design for safety during construction (2 hrs)

Course Objective

The purpose of the course is to showcase

- (i) Special bridge erection method and provide an understanding of the bridge behavior at different construction stages.
- (ii) The implementation of the strategies for design for safety for a safe erection of the bridge.

The course is useful and relevant to developers, contractors, project managers, site supervisors, Resident Engineers, Resident Technical Officers

and Civil and Structural Engineers who involve in civil engineering works.

Profile of Trainer

Boon Fei is a registered Singapore Professional Engineer. She has won a Design and Engineering Safety Excellence Award from Building Construction Authority for her Sentosa Boardwalk Project and ACES Excellence Design Award for Keppel Viaduct Widening.

She acts as Qualified Person (Permanent Work Design), Professional Engineer and Superintending Officer for several Singapore infrastructure projects.

Boon Fei has 24 years of engineering design and project management experiences relating to bridges, underground cut and cover tunnels, marine infrastructures, buildings (low and high rise residential, industrial commercial), process and chemical plants (oil/gas/chemical complexes and odour treatment plant) and major temporary works in Singapore and overseas.

Target Audience

The course is useful and relevant to developers, contractors, project managers, site supervisors, Resident Engineers, Resident Technical Officers and Civil and Structural Engineers.

Pre-requisites for Zoom session on 5 December 2024 from 2.00pm to 5.15pm

Prior to attending this course, you should:

- Have a PC / laptop / tablet / smart phone with built-in or external webcam.
- Installed the Zoom client.
- Have Wi-Fi / high speed internet connection available.
- Receive an email with a link for you to submit a registration for webinar 1 week prior to the commencement.
- Receive an email with a link and password for you to join the webinar session after your registration is successful.
- ***It is recommended that participants join the course on a 12-inch or larger screen in order to view clearly the text and photos in the presentation materials.***
- ***ALL PARTICIPANTS ARE REQUIRED TO KEEP WEBCAM OR CAMERA TURNED ON DURING 3-hours of zoom, FAILING OF WHICH THE CERTIFICATE OF ATTENDANCE WILL NOT BE ISSUED and names will not be submitted to PE Board (if Attendees are Professional Engineers)***

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Singapore

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10 PDU(PEB & CEng) – Confirmed

This course DO NOT HAVE SDU Points

Fees*: \$403.30 (IES Members) \$452.35 (Non-Members)

(Please note Res/RTOs are registrars of IES but NOT members of IES)

Please register online/email in the completed form by 20 Nov 2024 to:

Karen Phua, karen@iesnet.org.sg

IES Academy@Jurong East, 80 Jurong East Street 21 #04-10

Devan Nair Institute For Employment and Employability, Singapore 609607

Participant Details

Name: _____ NRIC: _____

Company: _____ Designation: _____

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

Tel: _____

Email: _____

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

Non-members Sponsored by company

Payment Details

Payment via bank transfer or PayNow. All Fees are inclusive of 9% GST.

**Beneficiary: IES
Academy Pte Ltd Bank:
United Overseas Bank
SWIFT: UOVBSGSG
Bank Code: 7375
Branch Code: 016
Bank Account number: 339-326-153-4**

**PayNow:
IES Academy Pte Ltd
UEN:202026912H**



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: _____

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 & Payment

The closing date of the event will be 2 week prior to event commencement date or earlier if seats are filled.

Confirmation of Registration

Confirmation of registration will be given at least 2 weeks 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 2 weeks 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.

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.