



## Piling Works, Design & Testing Following Eurocodes and Safety & Your Legal Obligations 2nd Run

**Piling Works, Design & Testing  
Following Eurocodes**  
6 Hours  
(2 Hours Webinar & 4 Hours Physical)

**Safety &  
Your Legal Obligations**  
4 Hours  
(All 4 Hours Physical at Hotel)

Date : 19 & 20 August 2021, Thursday & Friday  
Duration: 11.5 Hours (Including 1.5 Hours of Break Times)  
Time : 4.00pm to 6.00pm on 19 Aug 2021 – Via ZoomWebinar  
: 9.00am to 6.20pm on 20 Aug 2021 – Physical at Hotel  
Venue : Orchard Hotel or Similar Class \*

*\* Actual Venue(Hotel) Will Be Mentioned In The Confirmation Email Which Will Be Sent To Paid Participant 2 Weeks Prior To Event Date*

CPD Fees : \$374.50 (IES Members)      \$428.00 (Non-Members)

- *Please note that attendance for both the courses are compulsory, Certificate of Attendance will be Issued to participants with 100% attendance for both courses*
- **UTAP – Approved**
- **SFC (SkillFuture Credit) - Pending for Approval**

- 2 Coffee Breaks
- 1 Semi-Buffer Lunch at Cafe
- Special Parking Rates at Hotel
- 2 STU(Safety) & 6 STU(Structural)

### Part 1: Piling Works, Standards and Specification (3 Hours)

#### Objective

This course is organised to prepare Site Supervisors, Resident Engineers and Resident Technical Officers on piling works and pile testing in accordance to Eurocodes.

The participants will be able to appreciate and understand the standards and specification including Intelligent National Productivity and Quality Specification for piling works relating to displacement and non-displacement piles.

#### Course Outline

- Types of Piles
- Eurocodes
- Execution standards and specification
- Testing of piles
- Inspection, checking ground conditions and construction
- Communication and reporting

### Part 2: Piling Practices, Design and Testing (3 Hours)

#### Objective

This course is organised to give an understanding on the design considerations and local practices of foundation piles. The course will include ultimate limit state and service limit state design aspects of axially loaded and laterally loaded piles following Eurocodes.

## Course Outline

- Introduction
- Piling local practices
- Design considerations
- Axially loaded piles
- Laterally loaded piles

## Target Audiences

This course will benefit civil and structural practitioners, builders, Site Supervisors, Resident Engineers and Resident Technical Officers involved in piling works following the Eurocodes

## Profile of Speaker

Er. Yang Kin Seng was a former Director with the Building and Construction Authority, regulating and overseeing the safety of buildings and geotechnical building works under construction in Singapore, and headed the Singapore Geological Office. Er. Yang has also served with the now-defunct Public Works Department as Assistant Chief Civil Engineer, Head (Roads, Planning and Design) and Head of Geotechnical Engineering, Site Investigation, Instrumentation and Laboratories. His involvement in civil, building and infrastructural projects ranges from roads, flyovers, bridges and expressways, including Changi Airport development, construction of schools and CTE tunnels, to parks and government buildings, as well as overseas projects in China and Brunei. He was the Chief Project Manager (Singapore) for the Singapore-Malaysia Second Crossing. He has published more than 40 papers in International conferences and seminars, and peer-reviewed journals. Er. Yang was awarded Public Administration Medal (Silver) in 1998.

Er. Yang was a Colombo Plan Scholar, and graduated with BEng (First Class Hons) in Civil Engineering from University of Melbourne and a recipient of Trinity College Scholarship, CWN Sexton Scholarship, AJ Francis Prize and an Exhibition Prize. Er. Yang was also a Commonwealth Scholar, and obtained MSc (Distinction) in Soil Mechanics and Engineering Seismology and awarded the Soil Mechanics Prize from Imperial College London. He also obtained MSc (Civil Eng) from NUS, and LLB (Hons) from University of London.

Er. Yang co-chaired the SPRING (Singapore) Eurocodes Review Advisory Committee, and the Technical Committee on Civil and Geotechnical Works. He is a Professional Engineer and a Specialist Professional Engineer registered with the Professional Engineers' Board, and a Specialist Accredited Checker whilst in Building and Construction Authority. Er. Yang has been conducting many courses for industry practitioners at the BCA Academy since 2007, as well as for IES, ACES and corporates.

## Part 3: Safety & Your Legal Obligations (4 Hours)

- Get a refresher on the safety related statutory duties imposed on RE/RTOs and PEs under the Building Control Act and Regulations
- Learn about the latest amendments to the Building Control Act 2020
- Understand how to mitigate and manage the requirements of the Building Control Act
- Learn about your construction related tortious duties under the common law
- Understand how to mitigate and manage the legal standards under the common law

## Course Outline/Outcomes

As professionals and business men, you are used to risk taking in projects and at the work place. As risky as it is doing the design for a 40 storey mega project, practitioners are sometimes faced with a different type of risk: LEGAL DUTIES

This module will equip participants with the necessary tools to understand and manage the safety standards and risks imposed on them under the law

1. Building Control Act & 2020 Amendments
  - a. Building Control Regulations 2003
  - b. Building Control (Temporary Buildings) Regulations
  - c. Building Control (Inspection of Building) Regulations
    - i. Statutory duties imposed on RE/RTOs
    - ii. Statutory duties imposed on PEs
    - iii. Penalties and Consequences
    - iv. Mitigating circumstances

2. Common law duties on safety
  - a. Law of negligence – latest developments
  - b. Law of confidentiality
  - c. Law on corruption
  - d. Changing legal standards

## **CV OF SPEAKER**

**Ms Sangeetha Pusphanathan** was called to the Singapore Bar in 2008 (Advocate and Solicitor of the Supreme Court of Singapore) after obtaining her law degree from the National University of Singapore in 2007 and also making it to the top 20 of the bar exams. She was also awarded the F.A. Chua Prize for the best student in criminal procedure during the bar exams.

She is currently working as a data privacy lawyer for a multi-national European company. Formerly, she held the role of Deputy General Counsel and was employed with the Building and Construction Authority (BCA) where she has advised on and reviewed building control laws, prosecuted building control offences, and involved in legislative amendments to several BCA legislation. She also has private sector experience in both the petrochemical industry as well as banking and financial sector.

With her sound knowledge of local laws, she conducted annual core competency legal training workshops for 6 years straight in BCA for engineers and staff on various aspects.

In her free time, Sangeetha hosts events and forums.

Her natural vibrant personality, cheerful disposition and bevy of examples keep her workshops engaging, fun and a mark above the rest!

### **Pre-requisites for Webinar course on 19 Aug 2021 from 4.00pm to 6.00pm**

**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.**

**In order to adhere to the regulation set by JAC with maximum of 8 hours of contact/study hours per day hence this course is conducted over 2 Days**

### **Schedule for this course:**

**4.00pm to 6.00pm on 19 Aug 2021(Thursday) via Zoom Webinar**  
**9.00am to 6.30pm on 20 Aug 2021(Friday) - physical course at hotel**

## Registration Form

### **Piling Works, Design & Testing Following Eurocodes and Safety & Your Legal Obligations 2<sup>nd</sup> Run**

#### ***UTAP – APPROVED***

Date : **19 & 20 Aug 2021, Thursday & Friday**  
**4.00pm to 6.00pm on 19 August 2021 – Via Zoom Webinar**  
**9.00am to 6.20pm on 20 August 2021 – Physical at Hotel**

Venue : **Orchard Hotel** or Similar Class  
**Actual Venue(Hotel) Will Be Mentioned In The Confirmation Email Which Will Be Sent To Paid Participant 2 Weeks Prior To Event Date**

CPD Programme : 6 STUs (Structural) / 2 STUs(Safety) / 9 SDUs & 10 PDUs - Confirmed

Fees : \$374.50 (IES Members) / 428.00 (Non-Members)

Please register online/fax the completed form **by 5 Aug 2021 before 3pm** to:

Karen Phua

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

Tel: 6463 9211

Email: karen@iesnet.org.sg

Name : \_\_\_\_\_ NRIC : \_\_\_\_\_

Company : \_\_\_\_\_ Designation: \_\_\_\_\_

Address 1 : \_\_\_\_\_  
(For mailing of invoice and receipt)

Address 2 : \_\_\_\_\_  
(For mailing of Certificate)

Postal Code : \_\_\_\_\_ Sex : Male / Female

Mobile : \_\_\_\_\_ Fax : \_\_\_\_\_

Email : \_\_\_\_\_ (For emailing of confirmation and location map)

Please indicate :  IES members IES M'ship No.: \_\_\_\_\_ P.E. No.: \_\_\_\_\_ (if applicable)  
 Non-members  Sponsored by company

#### **Contact Person Details** (if different from participant)

Name : \_\_\_\_\_ Designation: \_\_\_\_\_

Tel : \_\_\_\_\_ Fax: \_\_\_\_\_

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

#### **Payment Details**

Bank / Cheque No.: \_\_\_\_\_ Amount (\$): \_\_\_\_\_

\* All Fees are inclusive of 7 % GST. Cheque should be made payable to **IES Academy 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 : \_\_\_\_\_

## **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 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 1 week prior to event commencement date or earlier. Cheques should be crossed A/C payee only' and made payable to **IES Academy 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:

Attn: Karen Phua

**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 or email to me at [karen@iesnet.org.sg](mailto:karen@iesnet.org.sg) as we are working from home due to the pandemic.***  
IESA reserves the right to allow only confirmed registrants to attend the Event.

### **Withdrawals/Refunds of Fees**

Written notice ***at least 2 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 Funding**

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