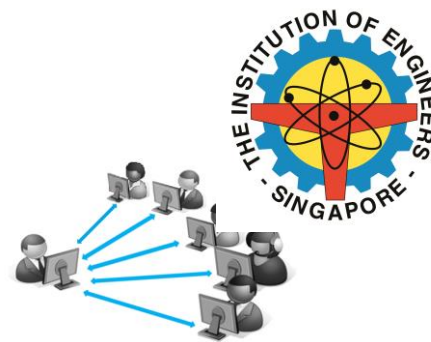


Construction of Underground & Related Structures

Module 2- Earth Retaining Structure (13th Run)

(Virtual Classroom) - **No Funding**



IES Academy Virtual

Introduction

Underground and related structures are of great significance to the local construction industry. Many structures are to be built below ground and their design and construction are of importance to those in the civil engineering profession.

Resident Engineers and Resident Technical Officers shall be familiar with the construction and supervision of underground and associated structures, such as foundations, basements, tunnels and earth-retaining structures.

Objectives

The specific objective of Module 2 on "Retaining Structure" is to familiarize participants with the different types of piling and foundation in Singapore. Common problems encountered during construction and supervision will be discussed, along with instrumentation and in-situ testing.

Pre-requisites

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.

Speaker Profile

Er. Wong Pui Fun, Joanne, is a Senior Consultant at CPG Consultants Pte Ltd, boasting over 35 years of post-graduate practical experience in the construction industry. With expertise spanning a wide range of building and infrastructure projects, she possesses an in-depth understanding of authorities' requirements, rules, regulations, and various codes of practice.

Er. Wong has served as a Qualified Person Professional Engineer (Civil) for numerous iconic projects, representing both project owners and contractors. Her extensive experience equips her with a comprehensive understanding of the intricacies involved in project management and compliance.

Additionally, she is actively involved in conducting various training courses for Engineers through IES. Her familiarity with the PPE requirements further enhances her ability to provide valuable insights and guidance to aspiring engineers.

Details

Date : 25th July 2024 (Thursday)

Time : 9.00am – 12:30pm

Duration: 3 hours

Delivery Mode: Zoom Webinar

CPD : 3 STU (Structural) **To be confirmed**
3 PDU (PEB) (CEng) **To be confirmed**

Course Fee (Include GST):
IES Member: \$119.90
Non-member: \$141.70

E-certificate of Attendance will be awarded to **Paid** participants who have completed course survey with **100% Attendance**.

Target Audience

Engineers
• Architects
• Project Manager
• RE/RTO
• Professionals in the construction industry

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

Contact Person: Jerine Peh (Ms)
DID: 6460 4237 | Main Line: 6463 9211
E-mail: jerine.peh@iesnet.org.sg

COURSE OUTLINES:

Outline of this course is as follow,

We shall cover 10 different types of retaining walls, their application and design principles and construction method. Instrumentation monitoring and relevant tests will be discussed too.

COURSE SCHEDULE

Time	Topics
8.30 am - 9.00am	Registration
9.00 am - 9.20 am	Gravity retaining wall
9.20 am - 9.50 am	Gabion retaining wall
9.50 am - 10.00 am	Crib walls
10.00 am - 10.20 am	Mechanically stabilized wall
10.20 am - 10.30 am	Soil nail wall & Ground Anchor structure
<i>10:30am -11:00am</i>	Tea Break
11.00 am - 11.30 am	Contiguous bored pile wall & secant pile &Diaphragm wall
11.30 am - 11.50 am	Sheet pile, soldier pile wall
11.50 am - 12.30 pm	Instrumentation monitoring and testing

REGISTRATION FORM**IES Virtual Classroom - Construction of Underground & Related Structures
Module 2- Earth Retaining Structure (13th Run) - No Funding****Date:- 25th July 24 (Thursday)****Time: 9am to 2.30pm (3 hours)****Venue: Zoom Webinar****CPD Programme: 3 STU (Structural) – To be confirmed / 3 PDU (PEB) (CEng) – To be Confirmed****Fees (inclusive of GST): IES Member Rate - \$119.90****Non-Member Rate - \$141.70****Registration Closing Date: 17th July 2024 (Wednesday) / Till Class is full (Whichever comes first)****Course Coordinator: (Ms) Jerine Peh | Direct: 6460 4247 | jerine.peh@iesnet.org.sg**

Participant's Details					
Name (as per NRIC in BLOCK Letters):		NRIC / FIN:		Gender:	M / F
<input type="checkbox"/> Singapore Pink Identification Card <input type="checkbox"/> Singapore Blue Identification Card <input type="checkbox"/> FIN/Work Permit/SAF 11B <input type="checkbox"/> Foreign Passport <input type="checkbox"/> Others					
Race: Chinese/ Malay/ Indian/ Eurasian/ Others, pls specify _____				Date of Birth:	
Address (For Invoice):					Postal:
Mobile:		Contact:		Fax:	
Email (For sending confirmation email):					
Company Name:		UEN No:		Designation:	
Please indicate:	<input type="checkbox"/> IES Member Membership No:		<input type="checkbox"/> Non-Member		<input type="checkbox"/> PE/RE/RTO/Safety Officer No:
	<input type="checkbox"/> Tick here if sponsored by company		<input type="checkbox"/> Tick here if Self-Sponsor		
Contact Person (For Company Sponsor Only)					
Name:			Designation:		
Mailing Address (For invoice):			Tel:	Fax:	
Email:					
Payment:				Amount: \$	
<ul style="list-style-type: none"> E-Certificate of Attendance will be issued to participant with 100% attendance with Full payment made. 					
Acceptance of Terms & Conditions for Registration of IES Academy Courses / Events					
I have read, deemed understood and accept the Terms & Conditions of IES Academy courses and events.					
Name:					
Signature:			Date:		

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 IES Academy 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 1 week prior to event commencement date or earlier.

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 skills 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 click [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: www.ies.org.sg/PDPA.

Enquiries

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