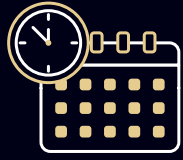


**BEM Approved CPD: 14**  
**Ref. No.: IEM23/HQ/488/W**



**4-5**  
**DEC 2023**  
8AM - 5.30PM

**VENUE :**  
**FOUR POINTS**  
**BY**  
**SHERATON,**  
**PUCHONG**

# WORKSHOP ON HIGH STRAIN DYNAMIC PILE LOAD TEST AND SEMINAR ON PILE TESTING

## SPEAKERS



DR THAI NGUYEN



MR. CHONG MUN FAI



Ir. CHOW CHEE MENG



Ir. DR LEE SIENG KAI



DR CHEW SOON HOE



DR TEE BUN PIN



Ir DR ONG YIN HOE



DR ENG ZI XUN



MR. CALVIN NG

Email to :  
sitiaisyah@iem.org.my  
or call at :  
**011-64521401**



APPROVED DURATION:  
30/10/2023 - 1/11/2024  
HRD CORP SERIAL NO:  
10001355640

To register, [CLICK HERE](#)



### Registration Fee (subject to 6% SST)

Grade	Online Fee (Through IEM Portal)	Normal Fee (Through Email)
IEM / MGS Student Member	RM 250	RM 300
IEM / MGS Member	RM 625	RM 675
Non IEM / MGS Member	RM 1200	RM 1300

# SYNOPSIS

Join us for a comprehensive two-day workshop and seminar dedicated to the latest advancements in high strain dynamic pile load testing and innovative techniques for pile testing. This event will bring together leading experts and practitioners in the field to share their knowledge, experiences, and insights, offering participants an invaluable opportunity to enhance their understanding and skills in pile testing and interpretation. Various case studies will be discussed, along with the rationalised settlement criteria for pile load test.

## PROGRAMME - DAY 1

Time	Description	Speaker
8.00am - 8.45am	Registration & Light Refreshment	
08:45 am – 9:45 am	Lecture 1 – High Strain Dynamic Pile Load Test – Part 1	Dr Thai Nguyen
9.45am - 10.45am	Lecture 2 - High Strain Dynamic Pile Load Test – Part 2	Dr Thai Nguyen
10.45am - 11.15am	Morning Tea Break	
11.15am - 12.00pm	Lecture 3 – High Strain Dynamic Pile Load Test – Part 3	Dr Thai Nguyen
12.00pm - 1.00pm	Lecture 4 - High Strain Dynamic Pile Load Test – Part 4	Dr Thai Nguyen
1.00pm - 2.00 pm	Lunch	
2.00pm - 2.45pm	Lecture 5 – High Strain Dynamic Pile Load Test – Part 5	Dr Thai Nguyen
2.45pm - 3.30pm	Lecture 6 – Case Histories on High Strain Dynamic Pile Load Test	Ir. Dr. Ong Yin Hoe
3.30pm - 4.00pm	Afternoon Tea Break	
4.00pm - 4.45pm	Lecture 7 – Case Histories on High Strain Dynamic Pile Load Test	Mr. Chong Mun Fai
4.45pm - 5.15pm	Question & Answer	

# PROGRAMME - DAY 2

Time	Description	Speaker
8.00am - 8.30am	Registration & Light Refreshment	
08:30 am – 9:30 am	Lecture 8 – Brief Introduction on Static Load Test and Rationalised Settlement Criteria for Pile Load Test	Ir. Chow Chee Meng
9.30am - 10.30am	Lecture 9 - Brief Introduction, Interpretation and Case Histories on Stanamic Test	Dr Chew Soon Hoe
10.30am - 11.00am	Morning Tea Break	
11.10am - 12.00pm	Lecture 10 – Case Histories on Instrumented Test Pile with Distributed Fibre Optic Sensor	Dr Tee Bun Pin
12.00pm - 1.00pm	Lecture 11 – Brief Introduction, Interpretation and Case Histories on Sonic Logging Test	Dr Eng Zi Xun
1.00pm - 2.00 pm	Lunch	
2.00pm - 2.45pm	Lecture 12 – Brief Introduction, Interpretation and Case Histories on PIT	Mr. Chong Mun Fai
2.45pm - 3.30pm	Lecture 13 – Case Histories on Instrumented Test Pile with Glostrex	Ir. Dr Lee Sieng Kai
3.30pm - 4.00pm	Afternoon Tea Break	
4.00pm - 4.45pm	Lecture 14 – Brief Introduction, Interpretation and Case Histories on Bi-directional test	Ir. Dr Lee Sieng Kai
4.45pm - 5.30pm	Lecture 15 – Case Histories on Pile Testing on Precast Piles	by Mr. Calvin Ng
5.30pm - 6.00pm	Question & Answer	

No	Name (s)	M'Ship Number	Grade	Fee (RM)
			SUB TOTAL	
			ADD SST @6%	
			TOTAL PAYABLE	

\*Fees MUST be fully paid BEFORE the CLOSING DATE. Seats could only be confirmed upon payment. Enclosed herewith a crossed cheque No: \_\_\_\_\_ for the sum of RM \_\_\_\_\_ issued in favour of "The Institution of Engineers, Malaysia" and crossed 'A/C payee only'. I/We understand that the fee is not refundable if I/We withdraw after my/our application is accepted by the Organising Committee as stated in the cancellation term. If I/We fail to attend the seminar, the paid registration fee will not be refunded.

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

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

\_\_\_\_\_

Tel No: \_\_\_\_\_ Email: \_\_\_\_\_

\_\_\_\_\_  
Signature & Stamp

\_\_\_\_\_  
Date

**CANCELLATION POLICY**

IEM reserves the right to postpone, reschedule, allocate or cancel the course. Full refund if cancellation is received in writing more than 7 days before start date of the event. No cancellation will be accepted prior to the date of the event. However, replacement or substitute may be made at any time with prior notification and substitute will be charged according to membership status.

**PERSONAL DATA PROTECTION ACT**

I have read and understood the IEM's Personal Data Protection Notice published on IEM's website at <http://www.myiem.org.my> and I agree to IEM's use and processing of my personal data as set out in the said notice.

# SPEAKERS' BIODATA



***Dr. Thai Nguyen*** has extensive knowledge in geotechnical engineering, specifically involving foundation systems for tunnels, bridges, buildings, dams, and other structures. Mr. Nguyen's technical experience in foundation testing includes Static Load Test (SLT), Dynamic Load Test (DLT), utilizing PDA, GPC, or EDC, Crosshole Sonic Logging (CSL), and Pile Integrity Tests (PIT). He is additionally skilled in engineering data management, soil structure interaction, earth retaining structures, slope stabilities, construction methodologies, ground improvement techniques, establishment and monitoring of geotechnical instrumentation, design of shallow and deep foundation systems, QA/QC during the installation of auger cast-displacement piles, drilled shafts, driven piles, and tie-down anchors, vibration monitoring programs, forensic engineering, and condition surveys for pre- and post-construction phases.

***Dr. Tee Bun Pin*** obtained his PhD (Civil), M. Eng (Civil-Struc) and B.Eng (Civil) from Universiti Teknologi, Malaysia (2022, 2005 and 2002). He has 6 years' experience as consulting engineer involved in high-rise building and infra-structure design. He also has 5 years' experience as major infra-structure and building contractor. Since year 2012, he has been involved in the research and application of Distributed Fibre Optic Sensing Technology (DFOS). Currently, he has successfully implemented the DFOS in various civil engineering application in Malaysia and Indonesia. Currently, he holds the position of General Manager at Smart Sensing Technology Sdn Bhd (SST), a company he founded in 2015. SST's primary focus is to facilitate foundation testing, geotechnical instrumentation, and structural health monitoring using Distributed Fibre Optics Sensing Technology (DFOS).



***Ir. Chow Chee Meng*** obtained his Bachelor of Engineering (Civil) from University of Malaya and started his career with G&P Geotechnics, an independent consulting company specialising in Geotechnical and Geo-Environmental Engineering before joining Technip, the largest integrated offshore and onshore engineering contractor in South East Asia for the design and construction of hydrocarbon field development, oil refining, gas processing, petrochemicals and industrial plants and facilities. He has written numerous papers and given lectures on engineering subjects ranging from R&D to geotechnical engineering in international and local conferences and journals and his research interests includes deep excavation, jack-in pile, piled raft and soil nails. He is currently the Director of G&P Geotechnics after re-joining them in 2005 and is actively involved in various types of projects such as high-rise development, major infrastructures such as MRT and major petrochemical plants.



***Ir. Dr. Lee Sieng Kai*** has more than 30 years of experience in the field of piling, structural and geotechnical related services, covering instrumentation and testing technologies for construction projects as well as completed buildings and infrastructure. He obtained his Bachelor's Degree in Civil Engineering from University of Malaya in 1990, and was conferred the degree of Doctor of Philosophy (PhD) in Foundation Engineering in 2011 by the same University. His research has been awarded with three gold medals in the national and international innovation competitions. He is a Professional Engineer registered with Board of Engineers, Malaysia and a Corporate Member of the Institute of Engineers, Malaysia. He is presently the Managing Director of Glostrex Berhad, listed on ACE market of Bursa Malaysia. He is responsible for overall day-to-day management and formulation of Glostrex Group's business plans and strategies as well as overseeing the overall operations of the Group.



# SPEAKERS' BIODATA



**Dr. Chew Soon Hoe**, a Professional Engineer, graduated with PhD from the University of California at Berkeley, USA. He is currently an Assistant Professor with the Department of Civil Engineering, National University of Singapore. He was the Deputy Director of the Centre for Protective Technology (CPT), a research and development centre jointly formed by the Ministry of Defence, Singapore, and NUS. His research interests include various aspects of ground treatment, deep excavation and tunneling, land reclamation, geosynthetics applications, as well as geotechnical seismic analysis. He is actively involved in research and consultancy relating to various applications of geosynthetics in Singapore and this region. He was elected to be a council member of the Institution of Engineers, Singapore, IES 2006-2011, 2011-2013, 2014-2016, and 2016-2018. He is also currently the President of Southeast Asia chapter of International Geosynthetics Society (IGS), and a President of Singapore Chapter of American Society of Civil Engineers (ASCE). He also serves as member of three BCA's technical task force (i.e. Rapid pile load tests, Piling industry accreditation scheme, and Ground improvement accreditation scheme).

**Ir. Dr. Ong Yin Hoe** has a Masters in geotechnical engineering from AIT and a Ph.D in civil engineering from Universiti Teknologi Petronas and has worked as a geotechnical engineer for about 20 years including as resident engineer for foundation works including anchored contiguous bored pile wall, diaphragm walls, bored piles and jack - in piles. He has also been involved in the design of highways on soft ground. As well he has vast experience in three dimensional finite element analysis of tunnels, basement excavations and bored piles and has been involved in impact assessment of basement excavations on existing tunnels, underground rail stations and existing viaduct structures. He has been invited on several occasions to lecture at MIDAS conferences. He is the author of more than 10 papers on numerical methods and on bored piles.



**Dr. Eng Zi Xun**, graduated with PhD from National University of Singapore (NUS), Singapore, after completing a research project on dewatering of fine-grain slurry with geotextile tube. Serving as the General Manager at Geonamics (M) Sdn. Bhd., Dr. Eng Zi Xun plays a major role in developing strategies designed to improve the business competitiveness and profitability of the testing services including the development and management of action plans to ensure corporate objectives are achieved. He also actively involved in activities liaison with local, regional and international research and academic institutions particular in geotechnical engineering. Through his commitment to this role, he has helped Geonamics (M) Sdn. Bhd. develops a spectrum of testing services in geotechnical engineering and exclusively for Rapid Pile Load Test in this region.



**Mr. Calvin Ng** is a First Class degree holder in Bachelor of Civil Engineering (hon), graduated in University Tun Hussein Onn Malaysia, year 2002. 17 years of service in ICP, in sales and technical services, He was exposed to different type of foundations for various structures, from the designing stage up to project implementation stage. From Year 2005 to 2013, he was extensively involved in projects in marine environment. He help many of the clients and their consultants in providing technical solutions in applying PHC piles in their project foundation design, switching from steel piles, bored piles, caissons etc., and advisory work from preliminary design stage until project implementation stage. Back in Malaysia from 2013 till now, He is mostly involved in marine projects in Malaysia, also South East Asia and even up to Bangladesh. Projects experience includes the foundation for a 24km long bridge, various port terminals, oil terminals, container terminals, bridges for rail crossing, cruise terminals, breakwater and marinas and etc

