



Symposium on Seismic Design and Analysis of Structures

Organised by
Department of Civil Engineering, The University of Hong Kong
Supported by
American Society of Civil Engineers (Great China Section)
Structural Division, Hong Kong Institution of Engineers
Hong Kong Institute of Steel Construction

Prof. **Francis Au** and Prof. **Nelson Lam** have been jointly delivering short courses to practicing engineers in Hong Kong for many years on the structural design of buildings and bridges to withstand extreme actions including earthquake actions. On every occasion, substantial new contents of practical value are presented based on their latest work. This year Prof. **Ahmed Elghazouli**, who is an international expert on earthquake engineering, is invited on the short course to deliver lectures covering the principles of seismic design for reinforced concrete and steel buildings. Emphasis will be given to the design according to Eurocode 8, with an introduction to changes within the imminent second-generation version. Prof. Au's introductory lecture on the seismic design of bridges is particular to Hong Kong conditions. His lecture features illustrations of structural design complying with local code rules. Prof. Lam's lecture this year focuses on the determination of site-specific seismic loading which offers considerable economic incentives to designers of structures due to the conservatism with the default site factor model stipulated by codes of practice. Open-access online software has been developed by his team to facilitate analysis of data from standard site investigations for generating site specific response spectra. Course contents delivered by the three eminent speakers are complementary to each other with no overlap.

WHO SHOULD ATTEND: This course is suitable for civil and structural engineers working at different levels from graduate engineers to supervising senior / chief engineers, checkers, regulators and code drafters who wish to acquire a sound fundamental understanding of the key principles on this subject in order to effectively exercise their respective professional duties that are associated with the engineering of structures.

Expert Speakers:

Professor Francis Au - Head of AIS Academy and Technical Advisor, Asia Infrastructure Solutions.
Honorary Professor and Former Head, Department of Civil Engineering, The University of Hong Kong
BSc(Eng), MSc(Eng), PhD, FHKIE, FIStructE, FICE, RPE(CVL, STL), CEng.

Professor Ahmed Elghazouli - Global STEM Scholar and Chair Professor of Earthquake Engineering and Structural Integrity, The Hong Kong Polytechnic University, and Former Head of Structural Engineering at Imperial College London. BSc, MSc, DIC, PhD, FIStructE, FICE, CEng, FREng.

Professor Nelson Lam - Professor and Leader of Structures and Buildings, Infrastructure Engineering, The University of Melbourne, Australia. BSc, MSc, DIC, PhD, FIStructE, FIEAust, FHKIE, MICE, CEng.

Continuing Professional Development Credits:

The course is considered suitable for 1 CPD-day credit.

* A 'Certificate of Attendance' will be issued to those who attend the registered sessions.

Dates: Friday 16, January 2026 (9:00 a.m. - 5:00 p.m.).

Course Venue: Lecture Theatre CBA, G/F Chow Yei Ching Building, Main Campus, HKU

Course Fee: HK\$ 1650 (including course notes, a 1 CPD-day 'Certificate of Attendance'*¹, and two coffee breaks) (Non-refundable).

Enquiries: All enquiries about this professional course should be addressed to Mr Zeng Wenyan, Rm 618, Haking Wong Bldg, Department of Civil Engineering, The University of Hong Kong at +852 5954 4722 (Email: zengwenyan@connect.hku.hk).

THE UNIVERSITY OF HONG KONG
DEPARTMENT OF CIVIL ENGINEERING

One Day Symposium on
Seismic Design and Analysis of Structures

Course Venue: Lecture Theatre CBA, G/F Chow Yei Ching Building, Main Campus, HKU

COURSE PROGRAMME

Friday 16 January 2026

8:45 am - 9:00 am - Registration

9:00 am - 9:10 am - Introduction to the short course and speakers (Prof Nelson Lam)

9:10 am - 9:30 am – Seismic hazard assessment (Prof Nelson Lam)

9:30 am - 10:30 am – Seismic design of building structures Part 1 (Prof Ahmed Elghazouli)

10:30 am - 10:50 am - Morning Tea & Coffee

10:50 am – 11:50 am - Seismic design of building structures Part 2 (Prof Ahmed Elghazouli)

11:50 am – 2:00 pm - Lunch

2:00 pm - 3:00 pm – Seismic design of bridges (Prof Francis Au)

3:00 pm - 3:30 pm – Site specific seismic loading on structures Part 1 (Prof Nelson Lam)

3:30 pm - 3:50 pm - Afternoon Tea & Coffee

3:50 pm - 4:50 pm – Site specific seismic loading on structures Part 2 (Prof Nelson Lam)

4:50 pm - 5:00 pm (flexible) – Q & A (all speakers co-ordinated by Prof Nelson Lam)

REGISTRATION FORM

To: Mr Zeng Wenyan, Course Secretariat

Please register me / us for the following professional course:

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Course Fee: HK\$ 1650

Please complete in **ENGLISH** (in **BLOCK LETTERS**)

	Surname	Given Name	Name of Company	Telephone	Email Address	Need Hardcopy of Course Note (Y/N)
1						
2						
3						
4						
5						

Registration Fee	Number of Persons	Total
HK\$ <u>1650</u> per person		HK\$

The registration fee includes course notes, a 1 CPD-day ‘Certificate of Attendance’, and two coffee breaks. The ‘Certificate of Attendance’ will be issued to those who have attended all sessions. Note that ONLY softcopy of the course notes will be provided unless requested in the above form. The download link will be provided in the due course.

All payments are non-refundable.

Please send the completed registration form with a crossed cheque made payable to
“The University of Hong Kong”:

*Mr Zeng Wenyan, Course Secretariat
Department of Civil Engineering, The University of Hong Kong, Pokfulam Road, Hong Kong*

Please note that registration will only be confirmed upon receipt of payment and on a first-come-first-served basis. DO NOT send any cash in the post. The official receipt for the registration fee will be distributed on the days of the course.

Contact: Mr Zeng Wenyan, Rm 618, Haking Wong Bldg, Department of Civil Engineering, The University of Hong Kong at +852-5954 4722, Email: zengwenyan@connect.hku.hk

Enclosed Cheque No.: _____ Bank: _____