



香港理工大學, 土木及環境工程學系
THE HONG KONG POLYTECHNIC UNIVERSITY
Department of Civil and Environmental Engineering



FIRST ANNOUNCEMENT

Half-Day Workshop on Seismic Design of Building Structures in Hong Kong

Organized by

The Hong Kong Institute of Steel Construction
Department of Civil and Environmental Engineering, The Hong Kong Polytechnic University

Supported by

Joint Structural Division, The Hong Kong Institution of Engineers

Date:	24 th June 2016, Friday
Venue:	Room Y305, The Hong Kong Polytechnic University, Hunghom, Kowloon
Time:	1:30 pm (registration) for 2:00 pm to 5:30 pm

Programme Highlight

Geographically, Hong Kong is situated at the southern edge of Guangdong Province, Mainland China. Shenzhen, our neighbouring city, is liable to earthquake attack with seismic design intensity of 7 under the Chinese design standard. Tremendous experience have been acquired through the findings and investigations subsequent to seismic attacks worldwide, and enhanced design requirements are stipulated in the seismic design from time to time so as to render the construction of buildings safe.

Hong Kong is a metropolitan city built with a good blend of buildings ranging from super high rises to old buildings and infrastructures. While Hong Kong is contemplating in setting up guidelines for seismic design of buildings, it is opportune for our fellow building professionals to refresh our basic knowledge and to explore cutting edge technologies that may equip us to address the future aspirations in the seismic design and retrofitting for our buildings.

This half-day workshop presents an outline of the body of knowledge that is related to the seismic design of building structures in Hong Kong. Topics covered include a proposed earthquake loading model for Hong Kong taking into account seismic activities surrounding Hong Kong and the neighbouring areas in south China, modelling the effects of soft soil layers including reclamation fills, performance criteria and return period considerations, simplified design methods and guidelines on the selection and use of accelerograms for the more advanced analyses. Materials presented are specific to Hong Kong conditions over a period of some 20 years.

We are honoured to have Dr. Nelson LAM of Melbourne University as our speaker to share with the participants his expertise and insights in relevant topics pertinent to the theme.

Speaker's Profile

Dr. Nelson Lam, who is reader in civil engineering at The University of Melbourne, has 34 years of experience in structural engineering. In the past 26 years, he has been working in the specialized field of earthquake engineering, impact dynamics and structural dynamics; is member of the standing committee for future revisions to the Australian standard for seismic actions; principal international advisor to the drafting of the National Annex to Eurocode 8 on the seismic design of building structures for Malaysia, and member of an Expert Advisory Group commissioned by the London Headquarter of The Institution of Structural Engineers to give advice over the international strategy of the institution in relation to earthquake engineering. Many of his international journal publications have been frequently referred to in the seismic code development for Australia and many countries in Asia. His achievement in research in this field was recognized by the award of the Chapman Medal (1999) and Warren Medal (2006) by Engineers Australia; the Best Paper Award (2004-2007) by the ISET Journal of Earthquake Technology; and Chapman Medal

for the second time in 2010. He is also recipient of Award for Teaching Excellence given out by Engineers Australia in 2012 and Academic Staff Teaching Award by Melbourne School of Engineering in 2013. His early career as structural engineer was with Scott Wilson International throughout the 1980's and attained British chartered engineer status during that period. He was awarded the degree of BSc in civil engineering with first class honours at the University of Leeds, England in 1981, MSc degree in concrete structures at Imperial College of Science & Technology, London in 1982 and PhD in earthquake engineering at the University of Melbourne in 1993.

Official Language

English will be the official language.

Fees & Registration

Regular Registration: **HK\$ 500** each for HKISC Members;
 HK\$ 600 each for HKIE Members;
 HK\$ 800 each for non HKISC/ HKIE Members.
 Group Registration: **HK\$ 600** each for group registration of at least 5 people

CPD Certificates

This workshop is recommended for **3 Hours** CPD. An attendance certificate will be issued.

Please send the completed registration form with registration fee to **Ms. Carol Deng**, The Hong Kong Institute of Steel Construction, HKISC c/o ZS972, Department of Civil and Environmental Engineering, *The Hong Kong Polytechnic University, Hung Hom, Kowloon* by **10th June 2016** (Email: carol.deng@hkisc.org, Fax No.: 852-2334 6389). You can download this form on HKISC web (<http://www.hkisc.org>). For further information, please contact **Ms. Carol Deng** above.6

Time	Topics
1:30 pm - 2:00 pm	Registration
2:00 pm - 2:45 pm	Proposed Earthquake Loading Model for Hong Kong
2:45 pm - 3:15 pm	Performance Criteria and Return Period Considerations
3:15 pm - 3:45 pm	Coffee Break
3:45 pm - 4:30 pm	Seismic Design, Alterations and Additions
4:30 pm - 5:15 pm	Seismic Analysis including the Use of Earthquake Accelerograms for Advanced Analyses
5:15 pm - 5:30 pm	Summary and Closing

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REGISTRATION FORM

(To be replied on or before 10 June 2016)

Please follow the 2 steps registration procedure:

1. Fax the completed registration form to Ms. Carol Deng, HKISC (Fax: 852-2334 6389) for preliminary registration.
2. Post the completed registration form together with a crossed cheque payable to **Hong Kong Institute of Steel Construction Limited** to Ms. Carol Deng, The Hong Kong Institute of Steel Construction or HKISC, c/o Room ZS972, Department of Civil and Environmental Engineering, The Hong Kong Polytechnic University, Hungghom, Kowloon, Hong Kong.
on or before 10th June 2016.

To: Ms. Carols Deng, HKISC

Fax: 852- 2334 6389

A. Personal Details:

Title	Name in full (Block Letter)	Name of Company	Tel. (or Fax)	E-mail address
1.				
2.				
3.				
4.				
5.				

Postal Address
(for official receipt): _____

B. Registration Details:

Item	Registration Fee	Total no. of registration	Sub-total
1. Regular registration (HKISC Member price)	HK\$ 500 each x	_____ person(s)	= HK\$ _____
2. Regular registration (HKIE Member price)	HK\$ 600 each x	_____ person(s)	= HK\$ _____
3. Regular registration (Non-member*price)	HK\$ 800 each x	_____ person(s)	= HK\$ _____
4. Group registration (at least 5 people)	HK\$ 600 each x	_____ person(s)	= HK\$ _____
Total amount:			HK\$

Note: The registration fee includes a copy of proceedings, a copy of CPD certificate and tea refreshments.

I enclosed a crossed cheque (cheque no. _____) with the sum of HK\$ _____ for the registration fee of the captioned workshop.

Signature: _____ Date: _____

CPD Certificates of Attendance Please tick the appropriate box to indicate your choice:

Yes, I/ we would like to have CPD certificate(s). Not request for certificate(s).