



THE HONG KONG POLYTECHNIC UNIVERSITY
DEPT. OF CIVIL AND STRUCTURAL ENGINEERING
香港理工大學
土木及結構工程系



香港
鋼結構學會
Hong Kong Institute of
Steel Construction



COMMERCE AND ECONOMIC
DEVELOPMENT BUREAU
THE GOVERNMENT OF
THE HONG KONG SPECIAL
ADMINISTRATIVE REGION

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FINAL ANNOUNCEMENT

One-day Symposium announcement

Funded by Professional Development Programme in Seismic Engineering for Structural Engineers

Contemporary Seismic Engineering 2010

Co-organized by

Joint Structural Division, The Hong Kong Institution of Engineers

Sponsored by

Department of Civil and Structural Engineering, The Hong Kong Polytechnic University and

The Hong Kong Institute of Steel Construction

Date:	27 th August 2010
Venue:	N002, The Hong Kong Polytechnic University
Time:	8:30 am (registration) for 9:00 am to 5:30 pm

Scope and Objectives

Traditionally and currently, seismic design is not required in design of building structures in Hong Kong and inertia loads due to seismic motion are not needed for consideration in local structural design codes. After the 512 earthquake in Sichuan, China, the public and professional in Hong Kong begin to reconsider whether or not there is a need of considering earthquake scenarios in Hong Kong.

The Mainland Chinese seismic design code GB50011-2001 for seismic design includes Hong Kong in the seismic fortification intensity of 7.5 degree which implies a basic ground acceleration equal to 0.15 g. This indicates another justification for consideration of seismic loads in design of structures in Hong Kong.

In addition to the local possible need of considering seismic loads for construction in Hong Kong, its engineers regularly work in the Mainland and overseas such as those countries in the Middle East, Southeast Asia and Macau. Many of these places require a different degree of seismic consideration in the framing plan and in the member and element design.

This seminar is aimed to remedy the above shortfalls with an aim to improve Hong Kong engineers' competence in design of structures in Hong Kong and other places.

Official Language

English will be the official language of the Symposium for both oral and written presentation.

Fees & Registration

The registration fee includes a copy of the proceedings, a copy of CPD certificate, 2 tea refreshments. Lunch is not included

CPD Certificates This seminar is recommended for **ONE** CPD day. An attendance certificate will be issued.

Please send the completed registration form with registration fee to **Mr. Sam Chan**, HKISC, c/o TU743, Department of Civil and Structural Engineering, The Hong Kong Polytechnic University, Hung Hom, Kowloon by **1 August 2010** (Tel: 852-34003965, Fax No.: 852-2334 6389). You can download this form on HKISC web (<http://www.hkisc.org>). For technical information, please contact Ir Prof. S.L. Chan at 2766 6047.

REGISTRATION FORM

(To be replied on or before 1 August 2010)

Please follow the 2 steps registration procedure:

1. Fax the completed registration form to Mr. Sam Chan (Fax: 852-2334 6389) for preliminary registration.
2. Post the completed registration form together with a crossed cheque payable to “**HKIE-PSDAS-08302**” to Mr. Sam Chan, HKISC c/o Room TU743, Department of Civil and Structural Engineering, The Hong Kong Polytechnic University, Hunghom, Kowloon, Hong Kong, China on or before 1st August 2010.

To: Mr. Sam Chan

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. Registration	HK\$ 300 each x	_____ person(s)	= HK\$ _____
Total amount:			HK\$

Note: The registration fee includes a copy of proceedings, CPD certificate and 2 tea refreshment

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

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).

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Time	Program	Session Chairmen
08:45 am	Registration	
09:05 am	Welcoming Speech Ir C.K. Lau, Immediate Past Chairman of JSD, HKIE <u>Chairman of Structural Discipline Advisory Panel</u> and Head of Structural Section, Sun Hung Kai Properties Limited	Ir Dr. Andy Lee
09:15 am	Opening Speech Ir Prof. KK Choy, Vice-President, The Hong Kong Institution of Engineers	
Lecture 1 09:30 am	"Revision of seismic design codes corresponding to building damages in the " 5.12" Wenchuan Earthquake Prof. Y.Y. Wang, Main editor of the National Code for Seismic Design of Buildings GB50011-2008, Mainland China	Ir Adam Choy
Lecture 2 10:00 am	Application of Buckling-Restrained Braces in Steel Frameworks against Earthquakes. Prof. G.Q. Li, Professor, Tongji University, Shanghai	
Lecture 3 10:30 am	Scaling the ground motion accelerations for response history analysis of tall buildings Prof. KC Tsai, National Taiwan University, Taiwan	
11:00 am	Tea Break	
Lecture 4 11:30 am	Progress of Seismic Design for Steel Structures in China Mainland Prof. GP Shu and Dr. S Sun, Southeast University, Nanjing	Ir Ken Ng
Lecture 5 12:00 noon	Design of Plate-reinforced Composite Coupling Beams in Tall Buildings Dr. Ray Su, University of Hong Kong, HK	
12:30 pm	Lunch	
Lecture 6 14:15 pm	Performance Based Seismic Design for Contemporary ArchiStructures Dr. Goman Ho, Ove Arup and Partners Limited	Ir Dr. Y.L. Wong
Lecture 7 14:45 pm	Seismic Risk Analysis Prof. TT Soong, University of Buffalo, USA	
Lecture 8 15:15 pm	Seismic mitigation of mid-rise buildings by new earthquake resistant system using base isolation and story isolators Ir Dr.S.S. Lam, Hong Kong Polytechnic University, Hong Kong	
15:45 pm	Tea Break	
Lecture 9 16:15 pm	Spectrum and time history analysis of building structures by software NIDA Dr. Y.P. Liu & Prof. S.L. Chan, Hong Kong Polytechnic University, HK	Ir Dr. SW Yuen
Lecture 10 16:45 pm	Closing remarks Ir S.T. Chan, Assistant Director, Housing Department, HK SAR Government	
17:00 pm	End	