

Advanced Seismic Engineering

Organized by

American Society of Civil Engineers – Hong Kong Section

This one-day CPD course covers latest developments in earthquake engineering research and practice. Six integrated topics are to be presented by invited specialists internationally known for their prominent contributions to this field of civil engineering. Graduate engineers, practitioners, contractors as well researchers will benefit from participating in this rewarding event.

Date: 2 July 2005, Saturday (8:45 am-5:00 pm)

Venue: Plaza V, Lower Lobby, Novotel Century Hong Kong, 238 Jaffe Road, Wanchai, Hong Kong

Language: English

Course fee: HK\$500 each for ASCE members; HK\$600 each for non-ASCE members. HK\$250 each for ASCE student members (seats limited to 20 on a first-come-first-served basis).

Fee includes lecture notes, two coffee breaks and an attendance certificate.

Enquiry: Please contact the Course Coordinators:

Dr. Jun Yang c/o The University of Hong Kong
(Tel: 2241 5273, Fax: 2559 5337)

Dr. Patrick Cheung c/o Architectural Services Department
(Tel: 2867 3426, Fax: 2290 2192)

Registration

Please complete the registration form below and send it with cheque payable to “*American Society of Civil Engineers – Hong Kong Section*” to the Course Secretariat. The total number of places is limited to 100 and applications will be accepted on a first-come-first-served basis.

Course Secretariat

Room 3564, Department of Civil Engineering, The Hong Kong University of Science and Technology, Clearwater Bay, Kowloon, Hong Kong
(Attn: Ms. Barbara Siu; Email: barbara@ust.hk)

Name: _____ ASCE Membership No.: _____

Company: _____

Phone: _____ Fax: _____ E-mail: _____

Cheque No.: _____ (HK\$500/\$600/\$ _____)

CPD Course: Advanced Seismic Engineering (2 July 2005, Saturday)

Time	Programme
08:45-09:00	Registration
09:00-10:00	<p>Seismic Hazard of Hong Kong Introduction to seismic hazard assessment and methods; recent results of seismic hazard assessment for Hong Kong. <i>Prof. A. Chandler / Dr. K. Megawati</i> Department of Civil Engineering, The University of Hong Kong</p>
10:00-11:00	<p>Earthquake Ground Response Ground motion amplification; equivalent linear approach; shear modulus and damping of soil; SHAKE analysis. <i>Dr. X. S. Li</i> Department of Civil Engineering, The Hong Kong University of Science and Technology</p>
11:00-11:15	Coffee Break
11:20-12:20	<p>Seismic Soil Liquefaction General concepts; liquefaction-induced damage; liquefaction criteria; simplified procedure for analysis. <i>Dr. J. Yang</i> Department of Civil Engineering, The University of Hong Kong</p>
12:15-12:30	Q&A Session
12:30-13:45	LUNCH BREAK
13:45-14:45	<p>Vibration Control Technologies for Seismic Design Base isolation; passive energy dissipation systems; active control technology; semi-active control technology. <i>Prof. Y.L. Xu</i> Research Centre for Urban Hazards Mitigation, The Hong Kong Polytechnic University</p>
14:45-15:00	Coffee Break
14:45-15:45	<p>Proposed Design of R.C. Columns and Beam-Column Joints in Hong Kong Beam-column joints; columns; limited ductility; transverse steel content. <i>Dr. H.J. Pam</i> Department of Civil Engineering, The University of Hong Kong</p>
15:45-16:45	<p>Performance-Based Design of Building Structures in China Chinese Code vs. IBC; multi-level seismic performance design; inelastic response; push-over analysis; nonlinear time history analysis. <i>Dr. Goman Ho</i> Ove Arup and Partners Hong Kong Ltd</p>
16:45-17:00	Q&A Session