

Recent Advances in Steel and Composite Structures 2014

Organised by

The Hong Kong Institute of Steel Construction www.hkisc.org

Sponsored by

Joint Structural Division, The Hong Kong Institution of Engineers

The Association of Registered Engineering Consultants

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

Date:	1 December 2014, Monday
Venue:	N003, The Hong Kong Polytechnic University, Hung Hom, Kowloon, Hong Kong.
Time:	8:45 am (registration) for 9:00 am to 5:15 pm

Scope and Objectives

This is a seminar for efficient exchange of ideas among leading researchers in the field of steel, steel-concrete composite and metal structures and construction. Labour shortage has been an acute problem in many cities and higher productivity is demanded to meet the escalating needs of housing and diminishing supply of manpower in construction. During the past decade, there has been much progress and development in research and engineering of steel and composite structures. This seminar allows leading experts in the field to brief the audiences on research conducted at their affiliated universities and on the latest and advanced technologies that could be considered for adoption in construction projects in Hong Kong and the region. 14 speakers from 6 regions will present their works. Further information could be made available to the audiences by possible follow-up contacts with the speakers for the objective of technology transfer from research to practice.

Speakers

F Albermani, University of Queensland
M. Bradford, University of New South Wales
D. Camotim, Instituto Superior Técnico
S.L. Chan, Hong Kong Polytechnic University
WM Quach, Macau University
R. Liew, National University of Singapore
D Lam, Bradford University

HH Lau, Curtin University
G.Q. Li, Tongji University
K Rasmussen, Sydney University
KH Tan, Nanyang Technical University
B Uy, University of New South Wales
Bill Wong, Monash University
XL Zhao, Monash University

Official Language

English will be the official language of the Seminar for both oral and written presentation. The programme is subjected to small changes at the discretion of the organising committee.

Fees & Registration

The registration fee includes a copy of proceedings, a copy of CPD certificate, 2 tea refreshments.

Regular Registration: **HK\$ 900** each for HKISC/ HKIE Members; **HK\$ 1200** each for non HKISC/ HKIE Members.

Group Registration: **HK\$ 900** each for group registration of at least 5 people

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 ZS972, Department of Civil and Environmental Engineering, The Hong Kong Polytechnic University, Hung Hom, Kowloon by **1 November 2014** (Tel: 852-3400 3965, Fax No.: 852-2334 6389). You can download this form on HKISC web (<http://www.hkisc.org>) or request through emailing to: samchan@hkisc.org. For further information, please contact Mr. Sam Chan above.



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Environmental Engineering
The Hong Kong Polytechnic
University**

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REGISTRATION FORM

(To be replied on or before 1 November 2014)

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 **Hong Kong Institute of Steel Construction Limited** to Mr. Sam Chan, at:
HKISC c/o Room ZS972, Department of Civil and Environmental Engineering,
The Hong Kong Polytechnic University, Hung Hom, Kowloon, Hong Kong

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	Institution/ Membership No.
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 (Member*price)	HK\$ 900 each x	_____ person(s)	= HK\$ _____
2. Regular registration (Non-member*price)	HK\$ 1200 each x	_____ person(s)	= HK\$ _____
3. Group registration (at least <u>5</u> people)	HK\$ 900 each x	_____ person(s)	= HK\$ _____
Total amount:			HK\$

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

**Member refers to HKIE or HKISC member*

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 (Tentative)
8:45 am	Registration
9:00 am	Welcoming Speech
Lecture 1 9:20 am	F Albermani, University of Queensland Textured cylindrical shell structures
Lecture 2 9:45 am	D. Camotim, B. Young, P/ Dinis and A Martins, Instituto Superior Técnico, U Lisbon Latest developments on the behavior, strength and design of cold-formed steel columns undergoing local-distortional interaction
10:10 am	Tea Break
Lecture 3 10:30am	YP Liu, SW Liu and SL Chan, Hong Kong Polytechnic University Second-order direct analysis for codified stability design of structures
Lecture 4 10:55 am	M. Bradford, University of New South Wales Buckling strength of HSS beams
Lecture 5 11:20 pm	WM Quach, Macau University New stress-strain models for stainless steels
Lecture 6 11:45 am	R. Liew, National University of Singapore Design guide for composite columns using high strength materials
Lecture 7 12:10 pm	D Lam, Bradford University Designing long span composite beams with low shear connection to Eurocode 4
12:35 pm	Lunch
Lecture 8 2:00 pm	HH Lau, Curtin University Design of cold-formed steel back-to-back C channels built up column using modified Direct Strength Method
Lecture 9 2:25 pm	G.O. Li, Tongji University Demands on buckling restrainers for buckling-restrained steel plate shear walls
Lecture 10 2:50 pm	KH Tan, C. Liu and T.C. Fung, Nanyang Technical University Dynamic performance of bolted beam-column connections in free-fall tests simulating progressive collapse
Lecture 11 3:15 pm	B Uy, University of New South Wales Innovative connections for deconstructing and retrofitting of steel and composite structures
3:40 pm	Tea Break
Lecture 12 4:00 pm	Bill Wong, Monash University Significance of emissivity in steel temperature prediction for structural fire design
Lecture 13 4:25 pm	K Rassmussen, Sydney University To be confirmed
Lecture 14 4:50 pm	XL Zhao, Monash University Columns utilizing ultra-high strength steel tubes
5:15 pm	End of Seminar