



**Canadian Society for Civil Engineering  
Hong Kong Branch**

Ir Prof Paul PANG  
Chairman, CSCEHKB



香港  
鋼結構學會

Hong Kong Institute of  
Steel Construction

Ir Prof S L CHAN  
President, HKISC

**Announcement of Symposium**  
**Trend and Development in the Structural use of Steel and Metals**

Date:	22 February 2013 (Friday)
Time:	8:30 am (registration) for 9:00 am to 5:30 pm
Venue:	Chiang Chen Studio Theatre, Hong Kong Polytechnic University, Hunghom, Kowloon.

**Programme Highlight**

The Symposium is jointly organized by the Canadian Society for Civil Engineering Hong Kong Branch (CSCEHKB) and the Hong Kong Institute of Steel Construction (HKISC), and is supported by HKIE, HKU, HKUST, HKPolyU and CityU.

We are honoured to have **Ir WAI Chi Sing, JP, Permanent Secretary for Development (Works)** as our Guest of Honour to officiate the programme. Distinguished speakers from Singapore, Mainland China as well as Hong Kong will be invited to share their expertise and insights on the relevant topics with our audience.

**The topics and the speakers of the papers are as follows: -**

<b>Design and construction of composite steel and concrete buildings</b>	<b>Prof Richard LIEW</b> , National University of Singapore
<b>Economical and safer design by plastic analysis of semi-rigid steel and composite frames</b>	<b>Ir Prof S L CHAN</b> , Hong Kong Polytechnic University
<b>Steel high-rise residential buildings</b>	<b>Mr YANG Qiang Yue</b> , (杨强跃), Zhejiang HangXiao Steel Structures Co. Ltd.
<b>Review on weldability of joining cast-steel nodes and high strength steels of tall buildings</b>	<b>Ir Stephen LEUNG</b> Ove Arup & Partners (HK) Ltd.
<b>Design of entrance building steelwork at XRL West Kowloon Terminus</b>	<b>Ir Chris SPARROW</b> , Buro Happold Int. Ltd.
<b>Evolutionary-based computational optimization for structural topology design of modern tall steel buildings</b>	<b>Prof C M CHAN</b> , Hong Kong University of Science and Technology
<b>Parametric analysis and design engine for tall steel building structures</b>	<b>Ir Dr Goman W M HO</b> , Ove Arup & Partners (HK) Ltd.
<b>High temperature tests of stainless steel bolted connections</b>	<b>Prof Ben YOUNG</b> , University of Hong Kong

Language : English and Putonghua  
 Registration fee : HK\$800 (for CSCEHKB/HKISC member); HK\$1000 (for HKIE member / Group of 5+); HK\$1200 (for others)  
 CPD certificate : The Symposium is recommended for 6-hour CPD  
 Deadline for registration: **8 February 2013**

With the extensive communication networks of CSCEHKB and HKISC, it is well anticipated that an audience size of about 250 building professionals from various government departments, engineering consultants, architects, contractors and academics would participate in the Symposium.

**Registration & Enquiries**

Enrolment will be accepted on a first-come-first-served basis. To enroll, please contact our Symposium Secretariat officer Mr. Sam Chan at [samchan@hkisc.org](mailto:samchan@hkisc.org).

Symposium Secretariat: c/o Room TU 712, Department of Civil and Environmental Engineering,  
The Hong Kong Polytechnic University, Hung Hom, Kowloon, Hong Kong



**ONE-DAY SYMPOSIUM ON  
TREND AND DEVELOPMENT IN THE STRUCTURAL USE OF STEEL AND METALS**

**REGISTRATION FORM  
(To be replied on or before 8 February 2013)**

Please follow the 2-step registration procedure:

1. Fax the completed registration form to *Mr Sam CHAN* (Fax: 2334 6389) for preliminary registration.
2. Post the completed registration form within 7 days together with a crossed cheque payable to **Hong Kong Institute of Steel Construction Limited** to *Mr Sam CHAN*, at:

Room TU712, Department of Civil and Environmental Engineering,  
The Hong Kong Polytechnic University, Hung Hom, Kowloon, Hong Kong, China.

**To: Mr Sam CHAN**

**Fax: 2334 6389**

Personal Details:

Title	Name in full (Block Letter)	Name of Company	Tel.	Fax	E-mail address	Institution/ Membership No.
1.						
2.						
3.						
4.						
5.						

Item	Total no. of registration	Sub-total
1. Special registration (CSCEHKB/HKISC member's price)	_____ person(s)	= HK\$ _____
2. Special registration (HKIE member's price / Group of 5+ )	_____ person(s)	= HK\$ _____
3. Regular registration (Other's price)	_____ person(s)	= HK\$ _____

Postal Address  
(for official receipt):

I enclose a crossed cheque (no. \_\_\_\_\_ ) with a sum of HK\$ \_\_\_\_\_ for the registration fee of the captioned Workshop.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**CPD Certificate of Attendance.** Please tick the appropriate box to indicate your choice:

- Yes, I/ we would like to have CPD certificate(s).       Certificate(s) not required.



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## ONE-DAY SYMPOSIUM ON TREND AND DEVELOPMENT IN THE STRUCTURAL USE OF STEEL AND METALS

### *Organized by*

Canadian Society for Civil Engineering (Hong Kong Branch)  
Hong Kong Institute of Steel Construction

### *Supported by*

Joint Structural Division, The Hong Kong Institution of Engineers  
Department of Civil Engineering, The University of Hong Kong  
Department of Civil and Environmental Engineering, The Hong Kong Polytechnic University  
Department of Civil and Environmental Engineering, Hong Kong University of Science & Technology  
Department of Civil & Architectural Engineering, City University of Hong Kong

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## PROGRAMME

0830 – 0900	<b>Registration</b>	
0900 – 0910	Welcome Speech	Ir Prof Paul PANG Chairman Canadian Society for Civil Engineering (Hong Kong Branch)
0910 – 0930	Opening Speech	Guest of Honour: Ir WAI Chi Sing Permanent Secretary for Development HKSARG
<b>AM Session moderated by Ir C K LAU</b>		
0930 – 1000	Design and construction of composite steel and concrete buildings	Prof Richard LIEW Professor Department of Civil Engineering National University of Singapore
1000 – 1030	Economical and safer design by plastic analysis of semi-rigid steel and composite frames	Ir Prof S L CHAN Professor Department of Civil & Environmental Engineering Hong Kong Polytechnic University
1030 – 1045	Q&A Session	
1045 – 1115	<b>Coffee Break</b>	
1115 – 1145	Steel high-rise residential buildings	Mr. Q Y YANG 杨强跃 总工程师 Chief Engineer Zhejiang HangXiao Steel Structure Co. Ltd.
1145– 1215	Review on weldability of joining cast-steel nodes and high strength steels of tall buildings	Ir Stephen LEUNG Associate Ove Arup & Partners (Hong Kong) Limited
1215 – 1230	Q&A Session	
1230 – 1400	<b>Lunch</b>	

Symposium Secretariat: c/o Room TU 712, Department of Civil and Environmental Engineering,  
The Hong Kong Polytechnic University, Hung Hom, Kowloon, Hong Kong



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PM Session moderated by Ir CM WONG		
1400 – 1430	Design of entrance building steelwork at XRL West Kowloon Terminus	Ir Chris SPARROW Office Director Buro Happold International Limited
1430– 1500	Evolutionary-based computational optimization for structural topology design of modern tall steel buildings	Prof C M CHAN Associate Professor Department of Civil and Environmental Engineering Hong Kong University of Science and Technology
1500 – 1515	Q&A Session	
1515 – 1545	<b>Coffee Break</b>	
1545– 1615	Parametric analysis and design engine for tall steel building structures	Ir Dr Goman W M HO Director Ove Arup & Partners (HK) Limited
1615 – 1645	High temperature tests of stainless steel bolted connections	Prof Ben YOUNG Professor Department of Civil Engineering University of Hong Kong
1645– 1700	Q&A Session	
1700– 1715	Closing Remarks	Ir Prof S L CHAN President Hong Kong Institute of Steel Construction
1715- 1730	Collection of CPD Certificates	