

One-day Seminar on Modern Design in steel to Concrete Connection and Drill-in Anchor

Organised by

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

Supported by

Joint Structural Division, The Hong Kong Institution of Engineers
Department of Civil and Environmental Engineering, The Hong Kong Polytechnic University

Sponsored by

HILTI (Hong Kong) Limited

Date:	24 th November 2015, Tuesday
Venue:	Fiona Cheung Sum Yu Lecture Theatre (SHR-G30), PolyU Student Halls of Residence, 1 Hung Lai Road, Hung Hom, Kowloon, Hong Kong
Time:	8:45 am (registration) for 9:00 am to 5:00 pm

Scope and Objectives

Anchor connection and joint designs are essential elements for safe and economical design of steel and aluminum structures connected to reinforced concrete elements and between their structural elements. In latest design codes including the Eurocode and the Code of Practice for the Structural Use of Steel 2011, design of connections is more rigorous and advanced. The speakers in this seminar will share their experience and knowledge in design and quality control of drill-in anchor connections and member joints. Experience on the use of advanced analysis for drill-in anchor bolts and practical applications will be discussed.

Speakers

Professor Goman Ho, Director, Ove Arup and Partners (Hong Kong) Limited and Adjunct Professor of PolyU, leader in design of a number of mega steel structures in Mainland China.

Dr YP Liu, Research Fellow, Department of Civil and Environmental Engineering, The Hong Kong Polytechnic University with research, design and expertise in second order direct analysis for long span steel structures.

Dr DXiong, Director of Codes and Standards, HILTI Ltd., member of Sub-committee of Curtain Walls and Windows, Technical Committee for Standardization, China.

Dr SW Liu, Postdoctoral Fellow, Department of Civil and Environmental Engineering, The Hong Kong Polytechnic University, involved in research and design of steel structures and connections by code and finite element method.

Professors SL Chan, Chair Professor in Computational Structural Engineering, Department of Civil and Environmental Engineering, The Hong Kong Polytechnic University, principal consultant of Code of Practice for the Structural Uses of Steel 2005, 2011 and of glass (under review) and recipient of Structural Excellence Award by Joint Structural Division of HKIE and IStructE in 2013.

Official Language

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

Fees & Registration

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

Regular Registration: **HK\$ 1,200** each for HKISC/ HKIE Members; **HK\$ 1,500** each for non HKISC/ HKIE Members.

Group Registration: **HK\$ 1,200** 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 **17 November 2015** (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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REGISTRATION FORM

(To be replied on or before 17th November 2015)

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, Hungghom, 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\$ 1200 each x	_____ person(s)	= HK\$ _____
2. Regular registration (Non-member*price)	HK\$ 1500 each x	_____ person(s)	= HK\$ _____
3. Group registration (at least <u>5</u> people)	HK\$ 1200 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 TBC
Lecture 1 9:15 am	Background of handbook for design of drill-in anchor bolts – Part 1 YP Liu, SSH Cho and SL Chan
Lecture 2 10:00 am	Design of drill-in anchor bolts– Part 2 YP Liu, SSH Cho and SL Chan
10:45 am	
Lecture 3 11:15 am	Connection design of mega steel structures in Mainland China Goman Ho
12:00 noon	
Lecture 4 2:00 pm	Quality control and safe applications of anchor bolt systems DXiong
Lecture 5 2:45 pm	Semi-rigid design of steel structures – a future direct of steel structure design SL Chan, J Chan and SH Lo
3:30 pm	
Lecture 6 4:00 pm	Design of member connections to Eurocode 3 Part 1-8 SW Liu
5:00 pm	End of Seminar