



The Hong Kong Institution of Engineers  
Joint Structural Division



香港  
鋼結構學會  
Hong Kong Institute of  
Steel Construction



Second announcement

## HALF-DAY SEMINAR ON WELDING TECHNOLOGY

Organized by  
Hong Kong Institute of Steel Construction  
Department of Civil and Environmental Engineering, The Hong Kong Polytechnic University

Supported by  
Joint Structural Division, The Hong Kong Institution of Engineers

Sponsored by  
K.Y.H. Steel Company Limited

Date:	16 May 2014 (Friday afternoon)
Venue:	Room PQ303, The Hong Kong Polytechnic University, Hunghom, Kowloon
Time	1:45 pm (registration) for 2:00 pm to 5:30 pm

### Scope and Objectives

Welding is the process of joining steel components by fusing the two pieces of steel together. This basic definition also applies to a variety of processes such as manual metal arc welding, automatic submerged arc welding, TIG welding for aluminium alloy element and MIG welding for thin gauge steel sheeting, etc.

Welding is widely used in construction industry of Hong Kong and worldwide. The Code of Practice for The Structural Use of Steel 2011 specifies the requirements of welding in terms of Welding Procedure Specification, welders' certificates and the acceptance of workmanship. Preparation of Welding Procedure Specification (WPS) is now accredited by Hong Kong Inspecting Body Accreditation Body (HKIAS) under HKAS. The submission of Welding Procedure Specification (WPS) would also be explained in the seminar.

This seminar intends to provide an understanding on the use of welding to local professionals and practicing engineers by reviewing the basic knowledge and reporting the latest technological development on welding. This seminar aims to cover visual inspection of welds, various welding processes, basic steel metallurgy, welding procedure specifications, welder qualification test and recognition of welding defects.

The seminar, which is tailor-made for professional engineers, particularly Technically Competent Person (TCP) of the Supervision Plan System under the Buildings Ordinance, aims to equip them with basic knowledge in welding technology and to enlighten them in pursuing more advanced courses in design and quality supervision of welding works.

The speaker of the seminar is Mr. S K Babu, who acquired his BEng and MEng degrees from Australia and gained a number of internationally recognized qualifications in non-destructive testing of welded joints.

**Official Language**

English will be the official language medium of the seminar.

**Fees & Registration**

Registration rates are devised, please make your reservation now.

Seminar Registration Fee	HKISC, HKIE members and Group of 5 +	Non-member
	HK\$ 600	HK\$ 800

The registration includes a copy of the lecture notes, a copy of half-day CPD certificate, tea refreshments.

Should you have further query, please do not hesitate to contact Mr. Sam CHAN at [samchan@hkisc.org](mailto:samchan@hkisc.org).

**Programme**

Time	Programme
1:45 pm	Registration
2:00 pm	Basics of Visual Inspection
2:45 pm	Welding : types of joint, types of weld, welding processes and consumables
3:15 pm	Basic Steel Metallurgy
3:45 pm – 4:00 pm	Break
4:00 pm	Welding Procedure Specification
4:30 pm	Welder Qualification Test
5:00 am	Welding defects
5:15 pm	Q & A
5:30 pm	End



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### REGISTRATION FORM

***( To be replied on or before 13 May 2014 )***

Please follow the 2-step 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 within 7 days together with a crossed cheque payable to **Hong Kong Institute of Steel Construction Limited** to *Mr Sam CHAN*, at:

The Hong Kong Institute of Steel Construction  
c/o Room ZS945, Department of Civil and Environmental Engineering,  
The Hong Kong Polytechnic University, Hunghom, Kowloon, Hong Kong.

**on or before the 13 May 2014.**

**To: Mr Sam CHAN**

**Fax: 852- 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. Regular registration (Member*price)	_____ person(s)	= HK\$ _____
2. Regular registration (Non-member 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 Seminar.

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).       Not request for certificate(s).