

## HALF-DAY SEMINAR ON WELDING/SOLDERING OF DOMESTIC WATER PIPES

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

Supported by  
Fire Division, The Hong Kong Institution of Engineers

Date:	8 January 2016 afternoon
Venue:	Room Y305, The Hong Kong Polytechnic University, Hungghom, Kowloon
Time:	1:45 pm (registration) for 2:15 pm to 5:45 pm

### **Scope and Objectives**

Tainted potable water has thrown thousands of Hong Kong residents into chaos and left many more wondering if the water is safe to drink.

Compared to the United States that allow up to 15 micrograms of lead per litre of water and China that has a limit of 50 micrograms of lead per litre, Hong Kong stringently allows up to 10 micrograms of lead per litre, the same as the WHO standard.

Once the water has entered the private pipes in buildings, the responsibility of contaminated water is no longer attributed to the government but the building owners. The water can become exposed to a range of chemicals, metals and bacteria from poorly maintained pipes.

While lead is no longer used as a component for making water pipes in post-war construction in Hong Kong, it should not be present unless substandard construction supplies have been used. Under normal circumstances, lead will not appear as the pipes age.

After painstaking investigation, narrow pipes are found installed with materials soldered together with lead, and this is probably the root cause for excessive levels of the heavy lead found in the water.

The speaker of the workshop is Mr. Vinodh Kumar, who is the Manager (NDT & Welding) of Fugro Technical Services Ltd., Hongkong. Mr. Vinodh has gained many international Certifications that include Senior welding Inspector from The Welding Institute, UK and the American Welding Society. He has also got certifications from American Petroleum Institute for In service Inspection of Pressure Vessels, Piping, Storage tanks, Risk based Inspection and advanced Knowledge of Corrosion and materials. He is also a QMS 2008 Lead Auditor from International Register of certificated Auditors and has considerable experience in Manufacturing of Pipes (Oil,gas,water) ,Construction of Pipelines (Onshore/ offshore),Power & Process plants , Asset Integrity Management of Offshore Platforms, Tank farms, Refinery and LNG Plant and Laboratory Management for Weld/ material tests at various countries including India, Kazakhstan,Turkey,Hongkong , Indonesia , Malaysia, Brunei, Oman and PRC.

### **Official Language**

English will be the official language medium of the workshop.

## ***Fees & Registration***

Registration rates are devised, please make your reservation now.

Programme	HKISC	HKIE members and group registration of 5+	Non-member
	HK\$ 500	HK\$ 600	HK\$ 800

The registration includes a copy of the lecture notes, half-day CPD certificate and 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***

<b>Time</b>	<b>Programme</b>
1:45 pm	Registration
2:15 pm	Introduction of Domestic water pipes
2:45 am	Joining Process -Welding & Brazing
3:15 pm	Joining Process -Soldering
3:45 pm – 4:00 pm	Tea Break
4:00 pm	Building Control of Water Pipes in Hong Kong
4:30 pm	Welding, Brazing & Soldering Qualifications
5:00 am	Testing & Inspection of welded/ soldered Water Pipe
5:30 pm	Q & A
5:45 pm	End

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**REGISTRATION FORM**

***( To be replied on or before 1 January 2016 )***

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:

Room ZS 972, Department of Civil and Environmental Engineering,  
The Hong Kong Polytechnic University, Hunghom, Kowloon, Hong Kong

**on or before the deadline.**

**To: Mr Sam CHAN**

**Fax: 852- 2334 6389**

Personal Details:

Title	Name in full (Block Letter)	Name of Company	Tel.	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).