





HALF-DAY SEMINAR ON PROPER USE OF LOW HYDROGEN ELECTRODE AND APPLICATION OF VACUUM-PACKED ELECTRODE

Organized by

Hong Kong Institute of Steel Construction

Department of Civil and Environmental Engineering, Hong Kong Polytechnic University

Supported by Structural Division, The Hong Kong Institution of Engineers

Sponsored by Wo Lee Group (Holding) Co. Ltd.

Date:	25 May 2018 afternoon
Venue:	Room BC203, Hong Kong Polytechnic University, Hung Hom, Kowloon
Time	1:45 pm (registration) for 2:00 pm to 5:45 pm

Scope and Objectives

In Hong Kong construction industry, welding is commonly adopted in fabrication of structural steel works; and manual metal arc welding is the most common type of welding used on site.

When welding thick plates or welding steel of higher grade, one must be very cautious about the failure in hydrogen embrittlement, or delayed hydrogen cracking. In order to mitigate the risk of hydrogen embrittlement, preheat requirements should be checked against the guideline stipulated in BS EN 1011-2. Having said that, experts always advise that the most effective assurance of mitigating hydrogen embrittlement is to ensure low hydrogen input to the weld through the use of low hydrogen welding electrode.

Normally, the use of low hydrogen welding electrode should be baked at 300° C for two hours before it can be used within the next four hours. Failure to do so will render the electrode no longer low in hydrogen.

Under the Buildings Ordinance, the RSE should ensure structural safety of built structures. In default of no-baking of this low hydrogen welding electrode by the contractor, the RSE may inadvertently be exposed to the risk of losing his professional liabilities.

The seminar is particularly devised for the RSEs and their technically competent persons (TCPs) to refresh and equip themselves with the advanced knowledge in the proper use of low hydrogen welding electrode so as to indemnify their professional liabilities.

The speaker of the seminar is Mr. Vinodh Kumar Babu, who is the Manager (NDT & Welding) of Fugro Technical Services Ltd., Hong Kong. Mr. Vinodh acquired his B.Eng (Hons) from Australia and has gained many international Certifications in NDT, Welding, Painting, Coating, Asset Integrity and QHSE Management Systems.







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Official Language

English will be the official language medium of the workshop.

Fees & Registration

Registration rates are devised, please make your reservation now.

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

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

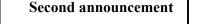
Should you have further query, please do not hesitate to contact Mr. Tommy LI at man@hkisc.org.

Programme

Time	Programme		
1:45 pm	Registration		
2:00 pm	Indemnify professional liabilities of RSE and TCPs under the Buildings Ordinance		
2:45 am	Preheat check to guidelines stipulated in BS EN 1011-2		
3:30 pm	Tea Break		
4:00 pm	Proper use of low hydrogen welding electrode		
5:00 pm	Case Studies		
5:30 pm	Q & A		
5:45 pm	End		









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REGISTRATION FORM (To be replied on or before 21 May 2018)

Please follow the 2-step registration procedure:

- 1. Fax the completed registration form to Mr Tommy LI (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 Tommy LI at:

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

To: Mr Tommy LI					Fax: 852- 2334 6389		
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Title	Name in full (Block Letter)	Name of Company	Tel.	Fax	E-mail address	Institution/ Membership No.	
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