



香港理工大學
土木及環境工程學系
THE HONG KONG
POLYTECHNIC UNIVERSITY

Department of Civil and Environmental Engineering

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THE HONG KONG
INSTITUTION OF ENGINEERS
香港工程師學會



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Hong Kong Institute of
Steel Construction

FIRST ANNOUNCEMENT

**Half-day seminar on
Global GHGs Emission and Green Steel Production**

Organized by

Hong Kong Institute of Steel Construction

Supported by

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

Sponsored by

*Siam Yamato Steel Ltd.
Wo Lee Steel Co. Ltd.*

Date:	5 th November 2015 (Thursday)
Venue:	Room FJ304, The Hong Kong Polytechnic University, Hungghom, Kowloon
Time:	2:30 pm (registration) for 2:45 pm to 6:00 pm

Scope and Objectives

The iron and steel industry is one of the largest energy consuming industries in the world, and one of the most prevalent sources of GHGs emissions. The GHGs emissions from the iron and steel industry come from two sources: through the chemical reaction of raw material and from the emissions from electricity and fuel. The global benchmark for energy intensity and CO₂ intensity for steel production are 18.2 GJ/ton and 1.8 ton CO₂/ton of crude steel while the default emissions of Basic Oxygen Furnace, Electric Arc Furnace and Open Heart Furnace are 1.46, 0.08 and 1.72 ton CO₂/ton product, respectively. With the total world production of almost 1.5 billion tons per year of steel producing over 2 billion tons of CO₂, implementation of the GHGs reduction is a necessary step towards reducing global emissions. Through the increased use of Electric Arc Furnaces and using recycled materials; improved energy efficiency and lower GHGs emissions can be achieved.

The half-day seminar will cover topics on global GHGs emission and green steel & greenhouse gas reduction in SYS Steel Mills, leading to sustainable development with energy-saving and carbon reduction; which can help to slow down the rise in global greenhouse gas emission while also reducing the construction time and costs. This seminar is most suitable for Engineers, Private companies, and Government who are working in building and construction industry.

Speakers

1. Dr. Arunee Ewecharoen graduated from the Silpakorn University, Engineering and Industrial Technology, and Ph.D. of Biotechnology at King's Mongkut University Technology Thonburi, Thailand. She has been working in the field of Environment for several years and also familiar to Green Houses Gases Reduction Management. At present, she is the Project Manager Energy & Environmental Management Center at Iron and Steel Institute of Thailand (ISIT).
2. Mr. Winai Raksapan is the Production Manager of Siam Yamato Steel (SYS). He held the Bachelor and Master Degree of Metallurgical Engineering from Chulalongkorn University, Thailand. He has strong experiences in steelmaking industry and research. He has worked in SCG R&D Center and currently working as Production Manager over decades.

Official Language

English will be the official language.



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Half-day seminar on Global GHGs Emission and Green Steel Production

Time	Programme
2:30 pm - 2:45 pm	Registration
2:45 pm - 4:00 pm	Global GHGs Emission
4:00 pm - 4:15 pm	Tea refreshment
4:15 pm - 4:25 pm	CIC Carbon Labelling Scheme
4:25 pm – 5:40 pm	Green Steel Production
5:40pm – 6:00 pm	Q & A Section Collection of CPD certificates End of Seminar

Fees & Registration

The registration fee includes a copy of lecture note.

Regular Registration: **HK\$ 500** each for HKISC/ HKIE Members; **HK\$ 600** each for non HKISC/ HKIE Members.

Group Registration: **HK\$ 500** each for group registration of at least **5** people

CPD Certificates

This seminar is recommended for **HALF** CPD day. An attendance certificate will be issued.

Please send the completed registration form with registration fee to **Ms. Carol Deng**, The Hong Kong Institute of Steel Construction, Room ZS972, Department of Civil and Environmental Engineering, *The Hong Kong Polytechnic University, Hung Hom, Kowloon* **by 1st November 2015** (Email: carol.deng@hkisc.org, Fax No.: 852-2334 6389). You can download this form on HKISC web (<http://www.hkisc.org>). For technical information, please contact Professor S.L. Chan at 2766 6047.



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REGISTRATION FORM

(To be replied on or before 1st November 2015.)

Please follow the 2 steps registration procedure:

1. Fax the completed registration form to Ms. Carol Deng for preliminary registration.
2. Post the completed registration form together with a crossed cheque payable to **Hong Kong Institute of Steel Construction Limited**, Ms. Carol Deng, The Hong Kong Institute of Steel Construction, c/o Room ZS972, Department of Civil and Environmental Engineering, The Hong Kong Polytechnic University, Hunghom, Kowloon, Hong Kong on or before 1st November 2015.

To: Ms. Carols Deng, HKISC

Fax: 852- 2334 6389

A. Personal Details:

Title	Name in full (Block Letter)	Name of Company	Tel. (or Fax)	E-mail address
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\$ 500 each x	_____ person(s)	= HK\$ _____
2. Regular registration (Non-member*price)	HK\$ 600 each x	_____ person(s)	= HK\$ _____
3. Group registration (at least <u>5</u> people)	HK\$ 500 each x	_____ person(s)	= HK\$ _____
Total amount:			HK\$

Note: The registration fee includes a copy of lecture note, a copy of CPD certificate and tea refreshment

**HKISC or HKIE 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).