香港
鋼結構學會
Hong Kong Institute of
Steel Construction

THE HONG KONG
POLYTECHNIC UNIVERSITY
香港理工大學
DEPARTMENT OF CIVIL AND STRUCTURAL ENGINEERING
土木及結構工程學系

One hour Technical Seminar

Performance of Grouted Joints in Tubular Structures

by
Professor Choo Yoo Sang
Lloyd's Register Educational Trust Professor
Director (Research), Centre for Offshore Research & Engineering (CORE)
National University of Singapore

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

Date:	**17 December 2010 (Friday)**
Time:	**6:00 pm for 6:30 pm – 7:30 pm**
Venue:	**Room Y302**, The Hong Kong Polytechnic University, Hung Hom, Kowloon.
CPD:	This seminar is recommended for **1** CPD hour
Certificate:	An attendance certificate will be issued upon request

Abstract

Tubular joints are used extensively in offshore structures and long span roofs. As a result of Hurricanes Katrina and Rita in 2005, platforms will be required to resist significantly higher loads with associated demand on the critical tubular members and joints. For older platforms, there is a corresponding need to retrofit crucial joints to ensure adequate strength.

This seminar will present results of a comprehensive experimental and numerical investigation on the effect of strengthening the chord with high strength grout on the reduction of hot spot stresses and corresponding enhancement in static strength of tubular X-joints. The seminar will also highlight an extensive on-going research programme supported by a Joint Industry Project on Grouted Connections which is an integral part of the research programme on "Structural Integrity Management of Offshore Structures" in Centre for Offshore Research & Engineering.

About the speaker

Professor CHOO Yoo Sang is Lloyd's Register Educational Trust Chair Professor in the Department of Civil Engineering, National University of Singapore. He is Past President of The Institute of Marine Engineering Science & Technology (IMarEST). He has served as Chairman, Co-Chairman or Member of many conferences and symposia. He served as President of Singapore Structural Steel Society from 1992 to 1994. He is Chairman of Singapore Mirror Committee for International Standards Organisation TC67/SC7 Offshore Structures, member of International Institute of Welding Sub-commission XV-E: Tubular Structures, member of Standing Committee in International Ships and Offshore Structures Congress, and member of Editorial Board for three international journals,

Professor Choo has received a number of international and national recognitions, including ISOPE Awards, Stanley Gray Award, IES Prestigious Engineering Achievement Award, James Watt Medal and Stanley Gray Medal. He was conferred the Honorary Fellowship of Singapore Structural Steel Society in 2004 in recognition of his technical expertise and contributions in Offshore and Structural Engineering. He has served as technical consultant in major offshore projects, and participates in international joint industry projects.

Free attendance but places are limited. Please send the completed registration form to **Mr Sam CHAN, Secretary of the Institute of Steel Construction, c/o Room TU743, Department of Civil and Structural Engineering, The Hong Kong Polytechnic University, Hung Hom, Kowloon** by **12:00 noon, 16 December 2010**. (Fax No.: 2334 6389) or through email: samchan@hkisc.org. For technical information, please contact Prof. S.L. Chan at 2766-6047

REGISTRATION FORM
(To be replied on or before 16 December 2010)

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by
Professor Choo Yoo Sang

Please fax the completed registration form to *Mr Sam CHAN* (Fax: 852-2334 6389) or email to samchan@hkisc.org for registration **on or before 16 December 2010.**

To: Mr Sam CHAN   **Fax: 852- 2334 6389**

Personal Details:

Title	Name in full (Block Letter)	Name of Company	Tel.	Fax	E-mail address	HKISC/HKIE Membership No. (if any)
1.						
2.						
3.						
4.						
5.						

Postal Address:

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).