



THE HONG KONG POLYTECHNIC UNIVERSITY  
DEPT. OF CIVIL AND STRUCTURAL ENGINEERING  
香港理工大學  
土木及結構工程系



香港  
鋼結構學會  
Hong Kong Institute of  
Steel Construction

Symposium  
***Design of long-span structures 2006***

Organized by  
*The Hong Kong Institute of Steel Construction*  
*Department of Civil and Structural Engineering, The Hong Kong Polytechnic University*  
***Friday, 12th May 2006***

<b>Date:</b>	12 May 2006 Friday
<b>Venue:</b>	Room Y305, HK PolyU
<b>Time:</b>	8:45 am (registration) for 9:00 am to 1:00 pm

**Scope and Objectives**

In recent years, there have been a number of collapse cases for roof structures in various parts of the world including the ones in U.K., Russia, Poland and Germany. While most of the collapses are related to snow loads, some of them can be due to other loads including rainstorm. The main complexity in the design of this type of structures is due to the uncertainty in assuming correctly the effective length factor and in checking of snap-through buckling. Local consultants may be required to design steel structures in cold area in China and against heavy rainstorm locally. This seminar discusses about the design of roof structures using the performance-based design. The second-order nonlinear analysis method studied by the team of the speakers over the past few years is introduced and proposed for the design of this type of structural forms.

**Speakers**

Ir Dr. FGA Albermani    The University of Queensland, Australia  
Ir Professor S.L. Chan    The Hong Kong Polytechnic University  
Ir Dr. CM Koon            Buildings Department, HK SAR Government  
Professor GP Shi           Southeast University, Nanjing, China.

**Official Language**

English will be the official language of the Seminar for both oral and written presentation.

**Fees & Registration**

The registration fee includes a copy of lecture note

Regular Registration:    **HK\$ 200** each for HKISC/ HKIE Members; **HK\$ 300** each for non HKISC/ HKIE Members.  
Group Registration:      **HK\$ 200** each for group registration of at least 5 people

**CPD Certificates**

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

Please send the completed registration form with registration fee to **Miss Cherry Chiu**, c/o TU743, Department of Civil and Structural Engineering, The Hong Kong Polytechnic University, Hung Hom, Kowloon **by 2<sup>nd</sup> May 2006** (Tel: 852-2766 6020) Fax No.: 852-2334 6389). You can download this form on HKISC web (<http://www.hkisc.org>). For technical information, please contact Dr. Andrew K.W. So at **2807 0930**.



THE HONG KONG POLYTECHNIC UNIVERSITY  
DEPT. OF CIVIL AND STRUCTURAL ENGINEERING  
香港理工大學  
土木及結構工程系



香港  
鋼結構學會  
Hong Kong Institute of  
Steel Construction

## Symposium *Design of long-span structures 2006*

Organized by  
*The Hong Kong Institute of Steel Construction*  
*Department of Civil and Structural Engineering, The Hong Kong Polytechnic University*  
**Friday, 12th May 2006**

<b>Date:</b>	12 May 2006 Friday
<b>Venue:</b>	Room Y305, HK PolyU
<b>Time:</b>	8:45 am (registration) for 9:00 am to 1:00 pm

### REGISTRATION FORM

*(To be replied on or before 2<sup>nd</sup> May 2006)*

Please follow the 2 steps registration procedure:

1. Fax the completed registration form to *Miss Cherry Chiu* (Fax: 852-2334 6389) for preliminary registration.
2. Post the completed registration form together with a crossed cheque payable to **The Hong Kong Polytechnic University** Miss Cherry Chiu at Room TU743, Department of Civil and Structural Engineering, The Hong Kong Polytechnic University, Hunghom, Kowloon, Hong Kong, China.

on or before **2 May 2006**.

**To: Miss Cherry Chiu**

**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\$ 300 each x	_____ person(s)	= HK\$ _____
2. Regular registration (Non-member*price)	HK\$ 400 each x	_____ person(s)	= HK\$ _____
3. Group registration (at least <u>5</u> people)	HK\$ 300 each x	_____ person(s)	= HK\$ _____
<b>Total amount:</b>			<b>HK\$</b>

*Note: The registration fee includes a copy of proceedings, a copy of CPD certificate and 2 tea refreshments*

*\*HKIE or HKISC 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).



THE HONG KONG POLYTECHNIC UNIVERSITY  
DEPT. OF CIVIL AND STRUCTURAL ENGINEERING  
香港理工大學  
土木及結構工程系



香港  
鋼結構學會  
Hong Kong Institute of  
Steel Construction

Symposium  
***Design of long-span structures 2006***

Organized by  
*The Hong Kong Institute of Steel Construction*  
*Department of Civil and Structural Engineering, The Hong Kong Polytechnic University*  
***Friday, 12th May 2006***

<b>Date:</b>	12 May 2006, Friday
<b>Venue:</b>	Room Y305, HK PolyU
<b>Time:</b>	8:45 am (registration) for 9:00 am to 1:00 pm

<b>Time</b>	<b>Program</b>
8:45 am	Registration
<b>Lecture 1</b> 9:00 am	Lightweight Double-Layer Grid System with PVC Joints <b>Dr. F.G. Albermani, University of Queensland, Australia</b>
<b>Lecture 2</b> 9:45 am	Performance-based design of long span structures by second order analysis <b>Ir Dr. C.M. Koon, Buildings Department, HKSAR</b>
<b>10:30 am</b>	<b>Tea break</b>
<b>Lecture 3</b> 11:15 am	Practice and design of long-span steel structures for National Games in 2005 <b>Professor G.P. Shi, Design Institute of Southeast University, China</b>
<b>Lecture 4</b> 12:00 noon	Design of dome and roof structures to chapter 13 of HK Steel Code 2005 <b>Ir Professor S.L. Chan HKPolyU, HKSAR</b>
<b>12:45 pm</b>	<b>Discussion</b>
<b>1:00 pm</b>	<b>End of seminar</b>