



Advances in Fire Testing and Codifications 3, 4 November 2006

Final Announcement

Organised by

The Hong Kong Institute of Steel Construction

Supported by

Areas of Strength: Fire Safety Engineering, Research Centers for Fire Engineering and Advanced Technology in Structural Engineering,
The Hong Kong Polytechnic University

| | |
|-----------------------|---|
| Date: | 3, 4 November 2006, Friday and Saturday |
| Venue: | RED – Dawang Branch Laboratory, New & High-tech Industrial Development Zone of Dawang, Zhaoqing City, Guangdong Province, China |
| Time: | 8:45 am (registration) for 9:00 am to 5:30 pm |
| Travelling: | 6:15 pm, 2 November 2006, Thursday, Departure from Hong Kong at entrance of Hong Kong PolyU to Zhaoqing |
| Accommodation: | Jin Du Hotel, Nanhai Jichang Road, Foshan, Guangdong |

Scope and Objectives

Latest development, engineering, testing and research on fire engineering will be introduced in this study tour. The only accredited structural fire laboratory in the region of South China and Hong Kong will be visited and the concept and requirements of fire engineering and testing will be discussed.

Advanced fire tests on assessing materials, construction elements and structures will be discussed. Examples on the fire tests specified in codes and design guides will be focused on. Full-scale burning tests on fire resisting construction will be demonstrated. Large-scale testing facilities will be discussed. Double skin facade features will be burnt. Further, fire codes and the associated tests in China will be introduced.

Speakers

Ir Professor S.L. Chan - The Hong Kong Polytechnic University

Ir C.K. Cheung – Hong Kong Accreditation Service

Ir Professor W.K. Chow – The Hong Kong Polytechnic University

Dr N.K. Fong – The Hong Kong Polytechnic University

Professor G.Q. Li – Tongji University

Dr Richard J.Y. Liew – National University of Singapore

Miss Candy Ng – J. Roger Preston Limited

Ir Paul T.C. Pang – Buildings Department, HKSAR Government

Dr Andrew K.W. So – Research Engineering Development Facade Consultants Limited

Dr Y.L. Wong – The Hong Kong Polytechnic University

Professor L.C. Xia – Beijing Institute of Architectural Design

Dr Dominic W.K. Yu – Research Engineering Development Facade Consultants Limited

Dr S.W. Yuen – Research Engineering Development Facade Consultants Limited

Fees & Registration

The registration fee includes a copy of proceedings, a copy of CPD certificates, 2 tea refreshments and 1 lunch for each day of attendance, and 2 nights stay in a 4-star hotel.

Regular Registration: **HK\$ 1,200** each for HKISC/HKIE/IFireE/SFPE Member;
HK\$ 1,500 each for non HKISC/HKIE/IFireE/SFPE Member.

Group Registration: **HK\$ 1,200** each for group registration of at least **5** people of whom one must be a HKISC/HKIE member.

CPD Certificate This seminar is recommended for TWO CPD days. An attendance certificate will be issued.

Please send the completed registration form with registration fee to **Miss Cherry Chiu**, c/o TU743 The Hong Kong Polytechnic University, Hung Hom, Kowloon by **20 October 2006** (Tel: 852-2766 6020; Fax: 852-2334 6389). You can download this form on HKISC web (<http://www.hkisc.org>) or request through emailing to: cecherry@polyu.edu.hk. For technical information, please contact Dr Y.L. Wong at 852-2766 6009.



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REGISTRATION FORM

(To be replied on or before 20 October 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** to *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 **20 October 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: _____

B. Registration Details:

| Item | Registration Fee | Total no. of registration | Sub-total |
|--|-------------------|---------------------------|--------------|
| 1. Regular registration (Member*price) | HK\$ 1,200 each x | _____ person(s) | = HK\$ _____ |
| 2. Regular registration (Non-member price) | HK\$ 1,500 each x | _____ person(s) | = HK\$ _____ |
| 3. Group registration (at least <u>5</u> people) | HK\$ 1,200 each x | _____ person(s) | = HK\$ _____ |
| Total amount: | | | HK\$ |

Note: The registration fee includes a copy of proceedings, a copy of CPD certificate, 2 tea refreshments and 1 lunch for each day of attendance, and 2 nights stay in a 4-star hotel.

** HKISC/HKIE/IFireE/SFPE member*

I enclosed a crossed cheque (cheque no. _____) with the sum of HK\$ _____ for the registration fee of the captioned Symposium.

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).



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3 November 2006, Friday

Day 1

| Time | Program (Tentative) |
|------------------------------|--|
| 8:45 am | Registration |
| 9:00 am | Opening remark by Thomas Tsang, Asia Aluminum Holdings Limited |
| 9:10 am | Introduction by Professor W.K. Chow, The Hong Kong Polytechnic University |
| Lecture 1 9:20 am | <i>Structural Fire Engineering in Hong Kong</i> Ir Paul T.C. Pang, Buildings Department of HKSAR Government |
| Lecture 2 10:05 am | <i>Practice of Fire Safety Evaluation and Design of Steel Structures in China</i> Professor G.Q. Li, Tongji University |
| 10:50 am | Tea Break |
| Lecture 3 11:20 am | <i>Properties of concrete and steel under fire</i> Dr Y.L. Wong, The Hong Kong Polytechnic University |
| Lecture 4 12:05 pm | <i>Recent advances in fire engineering of steel structures</i> Dr Richard J.Y. Liew, National University of Singapore |
| 12:50 pm | Lunch |
| Lecture 5 2:30 pm | <i>Structural fire test - Principle and laboratory test</i> Dr S.W. Yuen and Dr Dominic W.K. Yu, Research Engineering Development Facade Consultants Limited and Ir Professor S.L. Chan, The Hong Kong Polytechnic University |
| 3:30 pm | Tea Break |
| Lecture 6 4:00 pm | <i>Building Service Partition Fire Test – From Theory to Practice (Test will be recorded as the laboratory is in HK)</i> Dr Andrew K.W. So, Research Engineering Development Facade Consultants Limited and Ir C.K. Cheung, Hong Kong Accreditation Service |
| 5:00 pm | <i>Discussion</i> |
| 5:30 pm | End of day 1 |



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4 November 2006, Saturday

Day 2

| Time | Program (Tentative) |
|------------------------------|--|
| Lecture 1 9:00 am | <i>Fire tests on assessing materials</i> Professor W.K. Chow, The Hong Kong Polytechnic University |
| Lecture 2 10:00 am | <i>Fire codes in China</i> Professor L.C. Xia, Beijing Institute of Architectural Design |
| 11:00 am | Tea Break |
| Lecture 3 11:30 am | <i>Fire models applications</i> Dr N.K. Fong, The Hong Kong Polytechnic University |
| Lecture 4 12:30 pm | <i>Evacuation simulations</i> Miss Candy Ng, J. Roger Preston Limited |
| 1:30 pm | Lunch Break |
| Lecture 5 3:00 pm | <i>Double skin façade test: Observation</i> Professor W.K. Chow, The Hong Kong Polytechnic University |
| Lecture 6 4:00 pm | Discussion |
| 5:00 pm | Return to Hong Kong |