



香港  
鋼結構學會

Hong Kong Institute of  
Steel Construction



DEPARTMENT OF  
CIVIL AND ENVIRONMENTAL ENGINEERING  
土木及環境工程學系

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

## Half-day Seminar on Testing, Measurement and Quality Control for Structural Use of Glass

Organized by  
Façade Group, Hong Kong Institute of Steel Construction

Supported by  
Department of Civil and Environmental Engineering, The Hong Kong Polytechnic University  
Structural Division, The Hong Kong Institution of Engineers

Date	:	06 July 2018 (Friday afternoon)
Venue	:	Room Y305, The Hong Kong Polytechnic University
Time	:	1:45 pm (registration) for 2:00 pm to 5:45 pm

### Scope and Objective

Breakage of tempered glass may be attributed to three primary causes, i.e. design fault, bad workmanship and spontaneous breakage respectively. Amongst these causes, the spontaneous breakage due to Nickel Sulphide (NiS) inclusion is reckoned as the commonest cause that is directly related to the quality assurance and control during the manufacturing tempered glass.

Code of Practice for Structural Use of Glass 2018 was launched on 9 February 2018 by Buildings Department. In the advent of a series of incidents on glass breakage, the control on the tempered glass has been tightened up. Heat soak process and oven calibration are conducted to the latest requirement of BS EN 14179-1: 2016 together with additional quality assurance scheme and quality supervision.

Moreover, for the new safety requirements against broken glass, laminated glass or Insulating Glass Unit (IGU) with outer heat strengthened glass pane would be widely adopted in upcoming building construction projects.

The techniques of calibrating the heat soak oven, the proper installation of data logger with thermocouples on the glass surface and the rationale of installing an independent data logger by the TCP-T1 would be mentioned in great detail. The DO and DON'T will be deliberated so as to enhance the effectiveness and efficiency when carrying out building control on tempered glass.

The seminar is tailor-made for the practising building professionals in particular to Registered Structural Engineers, Technically Competent Persons and Façade practitioners to attend.

Language: Cantonese supplement with English terminologies.  
Handout will be in English.



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## Speaker

Ir Dr. Dominic YU is a specialist in the structural design and use of glass. He is a Principal (Structural Fire and Façade) of Alpha Consulting Limited, providing consultancy services on glass and facade engineering, non-linear integrated design and analysis, structural fire engineering analysis and design, steel and composite design etc. He is a Part-time Lecturer in Fire Safety Engineering Programme of University of Central Lancashire & CityU SCOPE. He is also a Visiting Lecturer for MSc Module of Façade Engineering in Civil Engineering Programme at the Hong Kong Polytechnic University. Before joining Alpha Consulting Limited, Dr. Yu served as a Specialist and Test Consultant of Research Engineering Development Façade Consultants Limited (RED Façade and Fire HOKLAS Testing Laboratory).

Dr. Yu obtained Doctoral Degree of Philosophy in Structural Engineering, Master Degree in Fire Safety Engineering, and Bachelor Degree in Civil Engineering. He worked as a Research Associate in the Department of Civil and Structural Engineering at the Hong Kong Polytechnic University to serve as a Technical Secretary of the consultancy study contributing to the "Code of Practice for the Structural Use of Steel 2005" and the 2011 version; and compiled the Explanatory Materials of the Steel Code for Buildings Department. Dr. Yu is also served as Professional Consultant for consultancy study of "Structural Use of Glass" for Buildings Department. He is also actively serving the industry and the university by delivering various technical seminars and lectures.

## Fees & Registration

Registration rates are devised, please make your reservation now.

Registration	HKISC member	HKIE member or Group of 5+	Others
	HK\$500 each	HK\$600 each	HK\$800 each

The registration includes a copy of the lecture notes, a CPD certificate and tea refreshment. Should you have further query, please do not hesitate to contact Mr. Tommy Li at [man@hkisc.org](mailto:man@hkisc.org).

## Programme

Time	Programme
1:45 pm – 2:00 pm	Registration
2:00 pm – 3:30 pm	Testing and Measurement for the Code of Practice for Structural Use of Glass 2018
3:30 pm – 4:00 pm	Tea Break
4:00 pm – 5:30pm	Latest Requirement for Heat Soak Process, Oven Calibration and Framework of Quality Supervision Plan
5:30 pm – 5:45 pm	Q & A Collection of CPD certificates



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## REGISTRATION FORM

***(To be replied on or before 29 June 2018)***

# Half-day Seminar on Testing, Measurement and Quality Control for Structural Use of Glass

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:  
HKISC, Room ZS 972, Department of Civil and Environmental Engineering,  
The Hong Kong Polytechnic University, Hung Hom, Kowloon, Hong Kong  
**on or before the deadline.**

To: **Mr. Tommy Li**

Fax: **852- 2334 6389**

Personal Details:

Title	Name in full (Block Letter)	Name of Company	Tel.	E-mail address	HKISC/HKIE Membership No. (if any)
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					

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).

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