

Half-day Seminar Series in “Structural Use of Glass” Lecture 4 – Analysis and Design of Glass Pane

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: 21 June 2019 (Friday)
Venue: Room TU103, The Hong Kong Polytechnic University, Hunghom, Kowloon
Time: 1:45 pm (registration) for 2:00pm to 5:00pm

Highlights

Code of Practice for Structural Use of Glass was published in 2018 and fully implemented in February 2019. It involves considerable new techniques and considerations for design of glass used as structural elements. This seminar series is conducted by eminent speakers involved heavily with the drafting of the code with an objective to share the insight on the behavior, analysis and design of glass structures. It covers a wide range of knowledge from glass material, structural design of glass pane, application of laminated glass, glass connection, testing, measurement, practical consideration and quality control.

Topics cover:

- Analysis and Design of Glass Pane with and without Hole Opening
- Design of Glass Canopy and Glass Wall
- Design Provisions of Curtain Wall

The seminars are specially tailored for a full spectrum of glass and façade engineering-related professionals such as engineers, surveyors, architect, project managers, facility managers and technical personnel who interact frequently with glass and façade or have been practicing façade engineering works and would like to better equip themselves by taking a closer look at the latest glass and façade engineering knowledge through case studies.

Language

Cantonese supplemented by English.

Fees & Registration

Registration rates are devised, please make your reservation now.

Registration	HKISC or HKIE member	Group of 5+	Others
	HK\$550 each	HK\$550 each	HK\$600 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.

Programme

Lecture	Date & Venue	Theme	Speaker(s)
1	24/5/2019 (Fri) TU103	<u>Latest Requirement on Structural Use of Glass</u> <ul style="list-style-type: none"> • Safety Requirement against Broken Glass and the Design Provisions • Design Methodology • Connection of Glass Pane • Updated Testing and Measurement 	Ir Dr. Dominic Yu <i>Principal</i> Alpha Consulting Limited
2	31/5/2019 (Fri) TU103	<u>Non-linear Integrated Design and Analysis</u> <ul style="list-style-type: none"> • Introduction of second-order analysis and Direct analysis. • Application in Structural Steel works and Glass & Façade Engineering. • Case Studies 	Dr. Y.P. Liu <i>Director</i> NIDA Technology Co. Ltd.
3	14/6/2019 (Fri) Y301	<u>Laminated Glass</u> <ul style="list-style-type: none"> • Design of Laminated Glass with or without Composite Action • Testing and Quality Control of Laminated Glass • Design of Laminated Glass Beam/Fin • Design of Glass Balustrade 	Ir Dr. Dominic Yu <i>Principal</i> Alpha Consulting Limited
4	21/6/2019 (Fri) TU103	<u>Analysis and Design of Glass Pane</u> <ul style="list-style-type: none"> • Analysis and Design of Glass Pane with and without Hole Opening • Design of Glass Canopy and Glass Wall • Design Provisions of Curtain Wall 	Ms. HY Huang <i>Associate</i> Alpha Consulting Limited
5	28/6/2019 (Fri) TU103	<u>Quality Assurance & Quality Control</u> <ul style="list-style-type: none"> • Latest Requirement and Supervision for Heat Soak Process • Latest Requirement and Quality Control of Structural Glazing Application • Glass in Typhoon 	Ir Dr. Dominic Yu <i>Principal</i> Alpha Consulting Limited
6	5/7/2019 (Fri) TU103	<u>Design Considerations of Curtain Wall and Façade Systems</u> <ul style="list-style-type: none"> • Selection of system and Good Practice • Fire Protections and Smoke Seal • Non-Combustibility Materials • Performance Tests 	Ir Dr. Dominic Yu <i>Principal</i> Alpha Consulting Limited



REGISTRATION FORM
(To be replied on or before 20 June 2019)

Half-day Seminar Series in “Structural Use of Glass”
Lecture 4 – Analysis and Design of Glass Pane

Registration Procedure:

1. Please complete and return the form by Email to man@hkisc.org for preliminary registration.
2. Post the completed registration form together with a crossed cheque payable to **“Hong Kong Institute of Steel Construction Limited”** to *Mr. Tommy Li*, at:
Room ZS 972, Department of Civil and Environmental Engineering,
The Hong Kong Polytechnic University, Hunghom, Kowloon, Hong Kong

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).

Registration Fee

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Biography of speaker



Ms. Huang Hui-Yi is an Associate of Alpha Consulting Limited, providing design and consultancy services on glass and facade engineering, non-linear integrated design and analysis etc. She has over 15 years of experience on glass & façade engineering, structural steel design and finite element analysis. Before joining Alpha Consulting Limited, she served as Designer of United Reliance (Panyu) Structural Glass Engineering Co., Ltd.

Ms. Huang obtained Master Degree in Engineering Mechanics and Bachelor Degree in Theoretical and Applied Mechanics. She worked as a Research Assistant in the Department of Civil and Structural Engineering at the Hong Kong Polytechnic University for the research of non-linear analysis, time-history analysis and modal analysis of steel structures. She also participated in programming of non-linear design and analysis software NIDA.