



Fire Division

Control of Fire and Smoke in Curtain Wall Systems

Date, Time & Venue

31 May 2022 (Tue); 6:30pm – 8:00pm (Registration starts at 6:15pm);

Programme Highlights

There is an increasing trend in the use of curtain wall systems in residential buildings, commercial buildings, and retails in Hong Kong. With reference to Clause C10.2 of CoP Fire Safety in Buildings 2011, fire stop separation and continuous smoke seal are required in a curtain wall system.

Fire resistance test report or certificate of fire stop and smoke control test report of smoke seal should be submitted for the Code compliance. However, it is important to distinguish the difference between fire stop separation of curtain wall and fire-rated curtain wall.

The speaker will share the design considerations of curtain wall and façade systems from the selection of material to the application and the practicality of different systems. The design, application and practice consideration for fire stop and smoke seal will be discussed in this session. Latest development and innovative glass technology will be also covered in the webinar.

Speakers

Ir Dr. Dominic Yu is a research engineering-based specialist in the structural design and use of glass. He is Principal 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. Dr. Yu 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 the Civil Engineering Programme at the Hong Kong Polytechnic University. Before joining Alpha Consulting Limited, Dr. Yu served as a Specialist Test Consultant and Approved Signatory 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. He also compiled the Explanatory Materials of the Steel Code for Buildings Department. Dr. Yu is Professional Consultant for Consultancy Study of “Code of Practice for Structural Use of Glass 2018” for Buildings Department.

Dr. Yu is also actively serving the industry and the university by delivering various technical seminars and lectures. He delivered over 120 technical seminars in various institutions including *HKIE*, *HKISC*, *HKIS*, *RICS*, *HKICW*, *CASA*, *HKFA*, *HKPA*, *BD*, *ArchSD*, *HD*, etc., in which over 90 seminars since 2012 for the topics related to “Glass and Façade Engineering” including Statutory Requirements, Analysis, Design, Testing, Quality Control, Production, Practical Consideration, Installation and Inspection.

Fee

N/A



Registration & Enquiries

The seminar is free of charge and prior registration is required. For HKIE members, please register via the web-link <https://docs.google.com/forms/d/1nTAyAZq9dlUowaph5FlvjXJOvO5ax5zWj4-OggRV7YA/edit>. The organizers reserve the right to decline their application if no membership no. is submitted.

Applicants are suggested to register and login using Hotmail/ Outlook email account.

Applications will be accepted on a first-come-first-serve basis. Successful registration will be notified individually. The deadline of application is 24 May 2022.

For enquiry, please contact Ir Anthony Pau at 9738 4800 via Whatsapp message.

Fire Division Committee