

## One-day Seminar on Fire safety, control and engineering

*Organised by*

The Hong Kong Institute of Steel Construction [www.hkisc.org](http://www.hkisc.org)

*Supported by*

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

*Sponsored by*

HILTI (Hong Kong) Limited  
Wo Lee Steel Co., Ltd & Wo Lee Green Systems Ltd.

<b>Date:</b>	23 September 2016
<b>Venue:</b>	Fiona Cheung Sum Yu Lecture Theatre (SHR-G30), PolyU Student Halls of Residence, 1 Hung Lai Road, Hungghom, Kowloon, Hong Kong
<b>Time:</b>	8:45 am (registration) for 9:00 am to 5:00 pm

### Scope and Objectives

Fire safety and engineering are becoming a public concern in recent years and building professional may need to acquire a more in-depth understanding on behaviour of buildings and their environment under fire and elevated temperature. Six eminent experts in the field of fire safety, engineering and control are invited to delivered lectures on the topic and to share with audiences about their views and experience in the topic.

### Speakers

**Dr. Y.P. Liu and Dr. S.W. Liu** are Postdoctoral Fellows at Department of Civil and Environmental Engineering, The Hong Kong Polytechnic University. They are involved in research and design of steel structures and connections by code and finite element method.

**Mr. Michael Röbke** is Manager of the Technical Data and Approval Team in Hilti Development Corporation. Since 10 years he is dealing with product qualification according to international standards for fasteners under static, seismic and fire conditions. Michael holds a Master's degree in Civil Engineering. In previous assignments he worked as a structural engineer of reinforced concrete structures in Germany. As research engineer at IWB of University of Stuttgart Michael investigated the behavior and reliability of post-installed fasteners in concrete and masonry.

**Ir Dr. Young Wong** is a Director with Arup and is based in the Hong Kong office. He has over 18 years of consultancy experience in fire engineering, working on projects in Hong Kong, Macau, China, Middle East, India and the UK. Dr. Wong has extensive fire engineering experience on a wide range of building and material types. He is currently a council member of the Institution of Fire Engineers Hong Kong Branch. He is also a fellow of IFE and a member of HKIE, a registered professional engineer and, a chartered engineer.

**Ir Dr. N.K. Fong** is an Associate Professor of Building Services Department of The Hong Kong Polytechnic University. He graduated from University College of North Wales, Bangor, U.K with a BSc degree in Applied Mathematics and Computing in 1986. He obtained his PhD degree in Fire Engineering from the Hong Kong Polytechnic in 1991.

**Mr. Sam Keung** was trained as a structural engineer and joined Hilti Hong Kong in 2007, he eventually took over Head of Engineering of Hilti Hong Kong and he spend 2011-2014 in promoting a better firestop practice in Hong Kong. Since 2015 onward, he travels around Asia to promote a better firestop code and practice. Mr. Keung is currently involved in upgrading the current GB23864 firestop material test in China and he is also participating the up-coming GB code for firestop application in China. He is a frequent seminar speaker for the officials of building and fire in several South East Asian countries.

**Ir Dr. Dominic YU** is Principal (Structural Fire and Façade) of Alpha Consulting Limited, providing consultancy services on glass and façade engineering, non-linear integrated design and analysis, structural fire engineering analysis and design. He is Part-time Lecturer in Fire Engineering Programme of University of Central Lancashire. Before joining Alpha Consulting Limited, Dr. Yu served as a Specialist and Test Consultant of Research Engineering Development Façade Consultants Limited (RED), HOKLAS Fire and Façade Testing Laboratory.

**Ir Dr. S.W. Yuen** is currently a Director of Research Engineering Development Façade Consultants Ltd (RED), which is the first approved accredited local laboratory for fire testing in Hong Kong, and has been active in developing technologies in fire testing and engineering which were reported in several research papers. He also actively involved in scholarly activities for promotion of engineering excellence in fire engineering such as the chairman of the fire group of the Hong Kong Institute of Steel Construction of which he is also a founding board member.

**Dr. Lippmann Sze** is now a Fire Engineer in Research Engineering Development Façade Consultants Ltd (RED). He had over 8 years experience in both product testing, assessment, fire engineering and certification of passive fire protection product. He worked for Exova Warringtonfire before as the fire engineer and was responsible for the fire engineering design, product testing and the technical assessor for 'Certifire' product certification scheme. Apart from the Fire Resistance Testing, he is also the expert in reaction to fire testing and aids in developing the reaction to fire testing facility in RED.

### Official Language

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



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### REGISTRATION FORM

*(To be replied on or before 19<sup>th</sup> September 2016)*

Please follow the 2 steps registration procedure:

1. Fax the completed registration form to Mr. Sam Chan (Fax: 852-2334 6389) for preliminary registration.
2. Post the completed registration form together with a crossed cheque payable to **Hong Kong Institute of Steel Construction Limited** to Ms. Carol Deng, at:  
HKISC c/o Room ZS972, Department of Civil and Environmental Engineering,  
The Hong Kong Polytechnic University, Hunghom, Kowloon, Hong Kong

**To: Mr. Sam Chan**

**Fax: 852- 2334 6389**

#### A. Personal Details:

Title	Name in full (Block Letter)	Name of company	Tel.	E-mail address	Institution/ Membership No.
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\$ 1200 each x	_____ person(s)	= HK\$ _____
2. Regular registration (Non-member*price)	HK\$ 1500 each x	_____ person(s)	= HK\$ _____
3. Group registration (at least <u>5</u> people)	HK\$ 1200 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, 2 tea refreshments*

*\*Member refers to 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).



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Time	Program
8:30 am	<b>Registration</b>
9:00 am	<b>Welcoming Speech</b> Ir Prof. S.L. Chan
<b>Lecture 1</b> 9:15 am	Dr. Y.P. Liu & Dr. S.W. Liu Nonlinear Finite Element Analysis of Concrete Connections Under Fire Conditions - Concept, Theory and Design Method
<b>Lecture 2</b> 9:55 am	Mr. Michael Rößle Behavior and Design of Post-installed Rebar Connections - Today and Future
10:35 am	Souvenir Presentation
10:45 am	Tea break
<b>Lecture 3</b> 11:05 am	Ir Dr. Young Wong Structural Fire Engineering in Hong Kong and China
<b>Lecture 4</b> 11:45 am	Ir Dr. N.K. Fong Design Considerations in Fire Engineering Approach
12:25 pm	Lunch
<b>Lecture 5</b> 2:00pm	Mr. Sam Keung International Firestop Inspection Practice
<b>Lecture 6</b> 2:40 pm	Ir Dr. Dominic Yu Fire Safety Engineering and Assessment of Fire Proofing Systems in Building Construction
3:20 pm	Souvenir Presentation
3:30 pm	Tea break
<b>Lecture 7</b> 4:00 pm	Ir Dr. S.W. Yuen Evaluation of Performance of Structural Fire Design and Fire Testing
<b>Lecture 8</b> 4:40 pm	Dr. Lipmann Sze Product Conformity Certification Scheme for Passive Fire Protection Product
5:20 pm	Question & Answer
5:20 pm	End of Seminar

### Fees & Registration

The registration fee includes a copy of proceedings, a copy of CPD certificate, 2 tea refreshments.

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

Group Registration: **HK\$ 1,200** 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 **Ms. Carol Deng**, HKISC c/o ZS972, Department of Civil and Environmental Engineering, The Hong Kong Polytechnic University, Hung Hom, Kowloon by **19 September 2016** (Fax No.: 852-2334 6389). You can download this form on HKISC web (<http://www.hkisc.org>) or request through emailing to: [samchan@hkisc.org](mailto:samchan@hkisc.org). For further information, please contact Mr. Sam Chan above.