

## COMPREHENSIVE CERTIFICATE COURSE ON FIRE SERVICES SYSTEMS IN BUILDINGS 2014

Jointly organized by

The Hong Kong Institution of Engineers - Building Services Division (HKIE-BSD), Fire Division (HKIE-FE)

The Institution of Fire Engineers – Hong Kong Branch (IFE-HK)

The Chartered Institution of Building Services Engineers - Hong Kong Branch (CIBSE-HKB)

Building Services Operation and Maintenance Executives Society (BSOMES)

The Association of Registered Fire Service Installation Contractors of Hong Kong Ltd (FSICA)

### Course Objectives

The course is designed to broaden knowledge of engineers in relation to Fire Services Systems in buildings and is useful for young engineers and practitioners who want to refresh / acquire knowledge in the design, installation and maintenance of these systems. All Guest Speakers, who are experienced / professional engineers / officers from Government, University, Consultants, Manufacturers, Contractors and Properties / Facilities Management etc., will present you with some practical knowledge and experience sharing.

### Date, Time & Venue

Date : 14 October, 2014 to 20 November, 2014 (please refer to time table attached)

Time : 7:00 pm to 9:30 pm

Venue : Conference Hall, 4/F, Hong Kong Productivity Council, HKPC Building, 78 Tat Chee Avenue,  
Kowloon, Hong Kong

### Language

Cantonese with English Terminology

### Fee

Per session of any topic	For Members		For others	
	Fee	Early Bird before 15/09/14	Fee	Early Bird before 15/09/14
	\$270	\$250	\$300	\$280
Full course of 12 sessions	\$2,640	\$2,400	\$3,120	\$2,880

**Certificate** : CPD Certificate will be issued for each session. A Comprehensive CPD Certificate endorsed by all Organizers will be issued to the participant who has registered for the Full Course and attended 10 sessions or above.

**Registration** : Registration / enrollment will be on a first-come-first-served basis (priority will be given to members of Organizing Committee), all registrations are administered via FSICA. Please complete the enrollment form and send to FSICA by fax (3747 3367) or by e-mail (info@fsica.org.hk).

**Enquiry** : Please contact FSICA – Ms Ling Ho at Tel: 2390 6368 or e-mail: info@fsica.org.hk.

### **Organizing Committee Members:**

HKIE-BSD : Ir K F Yee, Ir Anthony Lo, Dr. Ernest Tsang, Ir K T Cheuk, Ir Vincent Ma

HKIE-FE : Ir Dr. Eric Lee, Ir Dr. Fiona Tsui

IFE-HK : Mr Stanley Tsang, Ir Daniel Lee

CIBSE-HKB : Ir Stephen Wong, Ir Hyvan Wong, Ir John Chan

BSOMES : Mr Martin Wan, Ir Timothy Chu, Ir Dr. CS Wong, Ir Philip Pih

FSICA : Mr Wilson Yau, Mr William Lee

## 2014 屋宇消防裝備綜合證書課程

### 合辦機構

香港工程師學會 – 屋宇裝備分部 (HKIE-BSD), 消防分部(HKIE-FE)

消防工程師學會 - 香港分會 (IFE-HK)

英國屋宇裝備工程師學會 - 香港分會 (CIBSE-HKB)

屋宇設備運行及維修行政人員學會 (BSOMES)

香港註冊消防工程公司商會有限公司(FSICA)

### 上課日期、時間和地點

日期：2014 年 10 月 14 日至 11 月 20 日 (請參閱附上之時間表)

時間：晚上 7 時至 9 時 30 分

地點：香港生產力促進局四樓會議廳(香港九龍達之路 78 號生產力大樓)

### 課程重點

本課程的講者皆來自相關政府部門、大學、工程顧問、製造商、承建商和物業及設施管理的資深從業員。他們以專業和實用的知識，使學員能獲得更深入認識各種消防系統和設備的設計、安裝、運行及維修保養等程序。課程為年青工程師及工程人員而設計，亦適合較資深從業員，從而達至溫故知新和自我增值之目標。

### 授課語言

講授語言以廣東話為主，並輔以英文專用名詞。

### 學費：

報讀任何一節課程	各主辦機構之會員		非主辦機構申請者	
	學費	9 月 15 日前報名	學費	9 月 15 日前報名
	\$270	\$250	\$300	\$280
全部課程(合共十二節)	\$2,640	\$2,400	\$3,120	\$2,880

**證書：** 1) 修畢每一節課程之學員，即獲頒發一張當晚課程之延續專業發展課程證書。  
2) 報讀全部(12 節) 課程，並且出席達 10 節或以上之學員，除獲得多節個別課程之延續專業發展課程證書外，並獲發一張由所有合辦機構共同簽發的綜合課程修業證書。

**登記：** 名額有限，先到先得，額滿即止(會員優先)，請填妥報名表傳真(3747 3367)或電郵([info@fsica.org.hk](mailto:info@fsica.org.hk))至香港註冊消防工程公司商會有限公司。

**查詢：** 香港註冊消防工程公司商會有限公司 – 何小姐 (電話: 2390 6368)



IFE-HK Branch



FSICA

## 籌委會成員名單：

- 香港工程師學會 – 屋宇裝備分部：余光輝工程師、盧志華工程師、曾建偉博士、卓劍騰工程師、馬永隆工程師
- 香港工程師學會 – 消防分部：李偉明博士工程師、崔淑莊博士工程師
- 消防工程師學會 – 香港分會：曾達明先生、李啟昌工程師
- 英國屋宇裝備工程師學會 – 香港分會：王錦賢工程師、王子一工程師、陳俊傑工程師
- 屋宇設備運行及維修行政人員學會：尹振華先生、朱植基工程師、黃振聲博士工程師、畢金拴工程師
- 香港註冊消防工程公司商會有限公司：邱子輝先生、李栢榮先生

Session	Date	Key Topics	Brief Content	Name of Speaker*
1	14 Oct 2014 (Tue)	<ul style="list-style-type: none"> <li>- Design and Planning for Life Safety System in Special Building Premises</li> <li>- Implementation of Performance-based Fire Services Systems, Design-to-Operation</li> </ul>	<ul style="list-style-type: none"> <li>- Considerations on planning for life safety systems in special types of building premises</li> <li>- Design of life safety system in Hospital, Mega-scale Premises and Super High-rise Buildings</li> <li>- Design approach and considerations on some special FS installations and systems</li> <li>- Special and new trend building design for open kitchen in residential buildings, long-throw sprinkler installation and fire shutters</li> </ul>	Ir Tommy LEUNG Tak-chi, Ir Ben YUEN Kai-chi
2	16 Oct 2014 (Thurs)	Essences of Contract Law for Construction Contracts	<ul style="list-style-type: none"> <li>- Liquidated damages, indemnities and extensions of time with detailed explanation of Contract Terms</li> <li>- Legislation aspects of fire services in Hong Kong</li> </ul>	Ms Polly CHAN, Mr Gerald LAM
3	21 Oct 2014 (Tue)	Sprinkler System Design – Good Practices and Myths	<ul style="list-style-type: none"> <li>- Sprinkler system design</li> <li>- Principles of pre-calculated installations</li> <li>- Hydraulic calculations</li> <li>- Sprinkler thermal sensitivity</li> </ul>	Dr PL HO
4	23 Oct 2014 (Thurs)	Theories and Applications of Smoke Control and Design Practices	<ul style="list-style-type: none"> <li>- Prescriptive requirements and principles of smoke control</li> <li>- Design factors, assumptions and design challenges</li> <li>- Application of smoke control design</li> <li>- Case studies</li> </ul>	Ir Dr Young WONG, Ir Anny IP
5	28 Oct 2014 (Tue)	Human Psychology and Practical Design for Fire Evacuation	<ul style="list-style-type: none"> <li>- Introduction of human behavior and concept</li> <li>- Interaction between fire and people</li> <li>- Evacuation modelling and technique</li> <li>- Case studies of evacuation performance assessment</li> </ul>	Ir Annie CHOI
6	30 Oct 2014 (Thurs)	Building Plan Submissions with Fire Service Requirements Incorporated	<ul style="list-style-type: none"> <li>- Walk through the FSD's processing of building plans according to the codes of practice as well as in code noncompliance situation</li> </ul>	Mr WAI Kin-fai
7	4 Nov 2014 (Tue)	Procedures of FSI Plans submission and FSI Inspections as well as fire service provisions for railway facilities	<ul style="list-style-type: none"> <li>- Procedures for submission of FSI plans and compliance inspection of FSI and equipment for issuance of FS172</li> <li>- Updated development of fire service provisions for new railway facilities</li> </ul>	Ir Kennis WAN Siu-yiu

\* Remarks: The name of speakers are subject to change without notification.

Session	Date	Key Topics	Brief Content	Name of Speaker*
8	6 Nov 2014 (Thurs)	<b>Part 1:</b> Fire and Safety Installations Requirement for F&B Premises Licensing with Cases Sharing	<ul style="list-style-type: none"> <li>- Brief introduction of related authorities' requirements (FSD, BD, EPD, etc.) for various food licenses application</li> <li>- Best practices on new applications, daily operations &amp; maintenance and license renewal</li> </ul>	Mr. Ray CHAN
		<b>Part 2:</b> FM-200 and NOVEC 1230 System	<ul style="list-style-type: none"> <li>- Discussion on the design, installation, operation and maintenance of FM-200 and NOVEC 1230 system</li> </ul>	Mr. Kevin HON Kin Wing
		<b>Part 3:</b> Aspirating Smoke Detection System	<ul style="list-style-type: none"> <li>- Discussion on the design, installation, operations and maintenance of aspirating smoke detection system</li> </ul>	Mr. Arthur CHOI Wah
9	11 Nov 2014 (Tue)	<b>Part 1:</b> Introduction of Condensed Aerosol Suppression Agent	<ul style="list-style-type: none"> <li>- Introduction to condensed aerosol</li> <li>- Explanation of the extinguishing principles</li> <li>- Environmental friendly agent</li> <li>- Demonstration of various applications of aerosol</li> </ul>	Mr. Kelvin YEUNG, Mr. Louis CHENG
		<b>Part 2:</b> Fire & Smoke Curtain - System Design Guideline, Latest Standard and Project Case Studies	<ul style="list-style-type: none"> <li>- All standards and compliance for using smoke &amp; fire curtain to meet the authorities requirements</li> <li>- Design and application of smoke &amp; fire curtain</li> </ul>	Mr. Chuck LEWIS, Mr. Tommy TAM
10	13 Nov 2014 (Thurs)	<b>Part 1:</b> Fire Safety Management and Case Sharing in Fire Accidents	<ul style="list-style-type: none"> <li>- Introduction to fire safety management and facilities management</li> <li>- Case study from fire accidents</li> <li>- Ordinances governing fire safety</li> <li>- Maintenance plan, training plan, fire action plan</li> </ul>	Ir Sr Jonathan LEE
		<b>Part 2:</b> The COP requirements on fire safety in lift shaft	<ul style="list-style-type: none"> <li>- Fire safety measures in carrying out lift works or escalator works in buildings</li> <li>- Fire resisting construction requirements for lift shaft Welding / Cutting including safety training on hot work</li> </ul>	Ir Gordon NG
11	18 Nov 2014 (Tue)	Fire Resisting Cable Standard and Exemptions for Dry Fire System	<ul style="list-style-type: none"> <li>- Introduction to fire resisting cable requirements</li> <li>- Review of fire resisting cable standards</li> <li>- Review of fire resistance testing standards</li> <li>- Design standards and exemptions</li> </ul>	Mr Albert TANG
12	20 Nov 2014 (Thurs)	Effective Maintenance and Management to Fire Services Installation (FSI)	<ul style="list-style-type: none"> <li>- Overview of the FSI inspection and maintenance</li> <li>- Comparing the NFPA/ BS recommendation with local practice for regular inspections</li> <li>- Recommendation of the documentation for maintenance and operation purpose including the content of inspection and testing reports</li> <li>- Evaluation of handling rectification and repair to impairment, the preventive actions to minimize false alarm / impairment</li> <li>- Comparing common types of maintenance contracts</li> </ul>	Mr CHAN Chi-kin

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