

## Joint Comprehensive Certificate Course on HVAC & R System in Buildings 2019

Jointly organized by

The Hong Kong Institution of Engineers - Building Services Division (HKIE-BSD)  
The Chartered Institution of Building Services Engineers - Hong Kong Branch (CIBSE-HKB)  
Building Services Operation and Maintenance Executives Society (BSOMES)  
ASHRAE Hong Kong Chapter (ASHRAE-HKC)  
The Hong Kong Air Conditioning and Refrigeration Association Ltd. (ACRA)

### Date, Time & Venue

Date : 15 October, 2019 to 26 November, 2019 (please refer to the attached time table)  
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 (Please refer to the attached location map).

### Programme Highlights

The course is designed to broaden knowledge of engineers in relation to Air Conditioning and Mechanical Ventilation Systems 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.

### Language

Cantonese with English Terminology

### Fee

Per session of any topic	For Members		For Non-members	
	Fee	Early Bird before 15 Sep 2019	Fee	Early Bird before 15 Sep 2019
	\$300	\$270	\$320	\$300
Full course of 12 sessions	\$2,880	\$2,600	\$3,500	\$3,240

## Certificate

A full course certificate will be issued to those who have applied for full course with attendance at least 10 full sessions.

## Registration

Please register online through this following link:  
<https://forms.gle/zEdNthaAoutdC26TA> or the QR code beside.



Registration/enrollment will be on a first-come-first-served basis (*priority will be given to members of the Organizing Committees.*)

## Payment Method

After online registration, please make the cheque payable to “**The Hong Kong Air Conditioning and Refrigeration Association Limited**” plus a self-addressed stamped envelope and Attention to “**Ms. Aris Chiu (JCCC-AC 2019)**” to the following address:

**“The Hong Kong Air Conditioning and Refrigeration Association Ltd., Room 1801, Tung Wai Commercial Building, 109-111 Gloucester Road, Wanchai, Hong Kong.”**

*Please state the applicant's name with contact phone no. and mark "JCCC-AC 2019" at the back of the cheque.*

## Remarks

- 1) The early bird registration is subject to the receiving date of cheque with full payment registered.
- 2) The official receipt and admission ticket will be issued and e-mailed to you within 10 working days once the cheque is received. Please bring along with the Admission Ticket for each corresponding session.
- 3) Registration fee(s) being paid is not refundable and not transferable.
- 4) No CPD certificate will be awarded to individuals who arrive at venue after 7:30pm (more than half hour late) or leave earlier than 9:00pm (more than half hour early).
- 5) If the Typhoon Signal No. 8 or above / Black Rainstorm Warning is in force during class, or Typhoon Signal No. 8 or above is hoisted within 2 hours before the class commences, any class already in progress will be dismissed immediately and imminent classes will be cancelled. As such, a make-up class will be arranged.
- 6) The organizer reserves the right to amend the terms and conditions without prior notice.
- 7) In case of any disputes, the decisions of the organizer shall be final and conclusive.

## **Enquiries**

Please contact ACRA: Ms Alice Cheung at Tel: 6316 0108 or e-mail: [jccc2019hvac@gmail.com](mailto:jccc2019hvac@gmail.com)

## **Organizing Committee Members:**

- BSOMES : Ir Timothy Chu, Ir Chris Ting, Ir Philip Pih, Ir Wommy Wong, Ir Candy Leung,  
Ms Athena Chan
- HKIE-BSD : Ir K F Yee, Ir Dr Vincent Cheng, Ir Sr Jonathan Lee, Dr Ernest Tsang, Ms Grace Luk
- CIBSE-HKB : Ir Alvin Lo, Ir Gary Chiang
- ASHRAE-HKC : Dr C S Wong, Mr. Jacky Ng, Mr. Jason Kwok, Mr. Taylor Chow
- ACRA : Mr Albert Lo, Ir Antonio Chan, Mr T S Tsang, Mr Jacky Ip

## 暖通空調及製冷系統綜合證書課程 2019

合辦機構

香港工程師學會 - 屋宇裝備分部 (HKIE Building Services Division)

英國屋宇裝備工程師學會香港分會 (CIBSE Hong Kong Branch)

屋宇設備運行及維修行政人員學會 (BSOMES)

ASHRAE 香港分會 (ASHRAE-HKC)

香港空調及冷凍商會有限公司 (ACRA)

### 上課日期、時間和地點

日期：2019 年 10 月 15 日至 11 月 26 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) (請參閱附上之地圖)

### 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，使學員能更深入認識各種空調及通風系統設備在樓宇的安裝，運作及維修保養等程序，和有關法例的規管及執行的要求。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	8 月 23 日前報名	學費	8 月 23 日前報名
	\$300	\$270	\$320	\$300
全部課程 (合共十二節)	\$2,880	\$2,600	\$3,500	\$3,240

**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，並且出席率達 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)，網上登記請按下列連結: <https://forms.gle/zEdNthaAoudC26TA> 或旁邊的 QR code 網頁。



## 付款方式

網上報名後，請將支票連同貼上郵票的信封郵寄至‘香港灣仔告士打道 109-111 號東惠商業大廈 18 樓 1801 室，香港空調及冷凍商會有限公司，趙小姐’及於信封面寫上"JCCC-AC 2019"

支票抬頭請寫：“香港空調及冷凍商會有限公司”及於支票背後寫上 1) 網上登記者姓名 2) 聯絡電話及 3) "JCCC-AC 2019"

## 查詢

香港空調及冷凍商會有限公司(ACRA):張小姐 電話: 6316 0108 或 電郵:[jccc2019hvac@gmail.com](mailto:jccc2019hvac@gmail.com)

## 籌委會成員名單:

- |                    |   |  |
|--------------------|---|--|
| 屋宇設備運行及維修行政人員學會    | : | 朱植基工程師、丁燦球工程師、畢金拴工程師、黃銘光工程師、梁穎嫻工程師、陳雅茵小姐 |
| 香港工程師學會 - 屋宇裝備分部   | : | 余光輝工程師、鄭世有博士工程師、李文光工程師測量師、曾建偉博士、陸敏小姐     |
| 英國屋宇裝備工程師學會 - 香港分會 | : | 老子揚工程師、蔣佳偉工程師                            |
| ASHRAE - 香港分會      | : | 黃振聲博士、吳俊麒先生、郭日升先生、周智鋒先生                  |
| 香港空調及冷凍商會有限公司      | : | 勞燦傑先生、陳紫鳴工程師、曾子盛先生、葉澤基先生                 |

## Time Table

Session	Date	Key Topics	Brief Contents	Name of Speaker*
1	15 Oct 2019 (Tue)	HVAC EE&C Guideline and technical sharing	<ul style="list-style-type: none"> <li>• Introduction of BEEO</li> <li>• Technical sharing of BEC2018 and TG-2018</li> <li>• Do and don't for COCR/FOC submission</li> </ul>	EMSD Representative
2	17 Oct 2019 (Thu)	Refrigerants and the Environment	<ul style="list-style-type: none"> <li>• Overview of common refrigerants for HVAC&amp;R</li> <li>• Environment related impact</li> <li>• Latest development, trend and safety concerns</li> </ul>	Dr. Philip Yu
3	22 Oct 2019 (Tue)	BEAM Plus Submission related to HVAC Installation	<ul style="list-style-type: none"> <li>• Brief on BEAM Plus Assessment</li> <li>• Credit Items related to HVAC</li> <li>• Do's and Don't's on some credit items</li> </ul>	Ir C S Ho
4	24 Oct 2019 (Thu)	Smart HVAC Analytics Solution by AI based performance platform	<ul style="list-style-type: none"> <li>• Technologies to optimize HVAC systems of building by big data analytics and AI applications, technologies to optimize appliances' energy consumption by managing them automatically through advanced IoT devices and technologies to manage green energy generated from solar systems.</li> <li>• Discuss major problems that building owners usually face and presents the efforts to resolve the problems to successful cases.</li> </ul>	Travis Kan, Stanley Lam, Edward Chan & WT Mo

Session	Date	Key Topics	Brief Contents	Name of Speaker*
5	29 Oct 2019 (Tue)	Specialized Ventilation System Requirements, Standards and Field Studies for Healthcare Infection Control in Hospitals and Day Procedure Centers/ Clinics in Hong Kong	<ul style="list-style-type: none"> <li>• Ventilation requirements of the healthcare medical engineering systems</li> <li>• Technical requirements of ASHRAE 170</li> <li>• On-site field works on the control of infectious diseases</li> </ul>	Dr Benny Chow
6	5 Nov 2019 (Tue)	Innovations in sustainable M&E Designs	<ul style="list-style-type: none"> <li>• Concepts on green, smart and healthy buildings</li> <li>• Process of innovative idea creation</li> <li>• Successful innovations on M&amp;E design</li> </ul>	Ir Dr Tony Lam
7	7 Nov 2019 (Thu)	MiC for Building Services	<ul style="list-style-type: none"> <li>• Modular Integrated Construction (MiC) method</li> <li>• MiC applications for building services</li> <li>• Opportunities and challenges of MiC in HK</li> </ul>	Ir Jimmy Li
8	12 Nov 2019 (Tue)	Resilient Design Strategies and Project Implementation for MVAC Systems of Building	<ul style="list-style-type: none"> <li>• Requirements of MVAC in the building life cycle</li> <li>• Plan for planned and un-planned future</li> <li>• Reliability and Maintainability concept</li> </ul>	Ir Vincent Leung
9	14 Nov 2019 (Thu)	Practical Rule of Thumb on MVAC Installation	<ul style="list-style-type: none"> <li>• Cooling Load Check Figure For General Application</li> <li>• Pump Head Check Figure</li> <li>• Chilled &amp; Condensing Water Pipe Sizing</li> <li>• Fan Sizing and selection, Duct Sizing</li> <li>• Chiller Plant Design Experience Sharing</li> </ul>	Ir Daniel Chong

Session	Date	Key Topics	Brief Contents	Name of Speaker*
10	19 Nov 2019 (Tue)	Updates on ASHRAE standards and Certified HVAC Designer (CHD)	<ul style="list-style-type: none"> <li>• Latest information on ASHRAE standard</li> <li>• New ASHRAE certified HVAC designer (CHD) program</li> </ul>	Dr Sam Hui
11	21 Nov 2019 (Thu)	MVAC Design and Maintenance for Data Center	<ul style="list-style-type: none"> <li>• Introduction of various MVAC Systems for Data Center</li> <li>• Design consideration, operation and maintenance consideration, energy saving initiatives</li> </ul>	Ir Chris Ting
12	26 Nov 2019 (Tue)	Practical Approach to Common MVAC System Improvement from Design, Installation to Operation and Maintenance	<ul style="list-style-type: none"> <li>• Good practice in Operation and Maintenance for Chiller Plants and Air Conditioning System</li> <li>• Improvement works to optimize the MVAC System in maintenance aspect</li> <li>• Building analytics in Chiller Plant optimization</li> <li>• Case studies sharing</li> </ul>	Ir Albert Lin

\* Remarks: The speakers may be subjected to change without notification.



## Location Map

### 香港生產力促進局地址:

香港九龍達之路 78 號生產力大樓

