

## Joint Comprehensive Certificate Course on HVAC & R System in Buildings 2023

Jointly organized by

The Hong Kong Institution of Engineers - Building Services Division (HKIE-BSD)  
The Chartered Institution of Building Services Engineers - Hong Kong Region (CIBSE-HKR)  
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 : 17 October, 2023 to 28 November, 2023 (please refer to the attached time table)

Time : 7:00 pm to 09:30 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		For Fulltime Tertiary Student
	Fee	Early Bird before 30 Aug 2023	Fee	Early Bird before 30 Aug 2023	Fee
	\$300	\$270	\$320	\$300	\$100
Full course of 12 sessions	\$2,880	\$2,600	\$3,500	\$3,240	\$1,000

## Certificate

- 1- A CPD certificate will be issued to participant for each full session.
- 2- On top of any individual session certificate(s) issued, a full course certificate will be issued to those who have applied for full course with attendance of at least 10 full sessions.

## Registration

Please register online through this following link:  
<https://forms.gle/knz2qspKfbsaNWs57> 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 2023)”** 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 2023" at the back of the cheque.*

## Remarks

- 1) The registration / enrollment will be made on a first-come-first-served basis. Priority will be given to members of Organizers. Student should present the proof of his/her student's identity during the registration.
- 2) The early bird registration is subject to the receiving date of cheque with full payment registered.
- 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) This Course is recognised under the Continuing Professional Development (CPD) Scheme of the Property Management Services Authority as an “Official” activity relating to “專業實務” in the “Core” content

category. Property Management Practitioner licence holders may earn thirty (30) CPD hours through participating in this course.

- 7) The organizer reserves the right to amend the terms and conditions without prior notice.
- 8) In case of any disputes, the decisions of the organizer shall be final and conclusive.

### **Enquiries**

Please contact ACRA: Ms. Joyce Cheung at Tel: 9741 3997 or e-mail: [jccc2023hvac@gmail.com](mailto:jccc2023hvac@gmail.com)

### **Organizing Committee Members:**

BSOMES : Ir Timothy Chu, Ir Chris Ting, Ir Philip Pih, Ir Johnson Lau, Ir Wommy Wong,  
Ir Kevin Cheng, Ir Candy Leung, Ms Athena Chan

HKIE-BSD : Ir Albert Yau, Ir Sr Jonathan Lee, Ir Marsden Kong, Ms Mandy Wong, Ir K F Yee

CIBSE-HKR : Ir Michael Sung, Ir Alvin Lo

ASHRAE-HKC : Dr C S Wong, Mr. Eddie Fung, Mr. Taylor Chow

ACRA : Ir K T Cheuk, Ir Antonio Chan, Mr T S Tsang, Mr Rocky Fung, Mr. Alex Choi

## 暖通空調及製冷系統綜合證書課程 2023

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 Region)

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：2023 年 10 月 17 日至 11 月 28 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		全日制大專學生
	學費	2023 年 8 月 30 日 前 報名	學費	2023 年 8 月 30 日 前 報名	學費
	\$300	\$270	\$320	\$300	\$100
全部課程 (合共十二節)	\$2,880	\$2,600	\$3,500	\$3,240	\$1,000

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/knz2qspKfbsaNWs57> 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 2023"

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) 聯絡電話及電郵 及 3) "JCCC-AC 2023"

### 查詢

香港空調及冷凍商會有限公司(ACRA): 張小姐 電話: 9741 3997 或 電郵: [jccc2023hvac@gmail.com](mailto:jccc2023hvac@gmail.com)

### 備註:

- 1) 報名以先到先得的方式進行。主辦單位成員優先。學生應在註冊時出示其學生身份證明。
- 2) 早鳥登記會計算在支票的接收日期, 並須要全額付款。
- 3) 支付的註冊費不予退還, 亦不可轉讓。
- 4) 晚上 7:30 後登記(遲到超過半小時)或晚上 9:00 之前離開(早退半小時)將不頒發 CPD 證書。
- 5) 當八號或以上颱風信號/黑色暴雨警告在上課期間生效, 或八號或以上颱風信號在開課前 2 小時內懸掛, 任何已在進行中的課程將立即放學, 即將上課的課將被取消和重新安排, 並適時公佈具體情況。
- 6) 暖通空調及製冷系統綜合證書課程 2023 在物業管理業監管局「持續專業發展計劃」下獲認可為核心專業實務類別的相關課程, 「計劃」認可 30 CPD 時數。
- 7) 合辦機構保留修改條款和條件的權利, 恕不另行通知。
- 8) 如有任何爭議, 合辦機構的決定會是最終決定。



### **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、  
劉國維工程師、黃銘光工程師、鄭繼良工程師、  
梁穎嫻工程師、陳雅茵小姐
- 香港工程師學會 - 屋宇裝備分部 : 丘達興工程師、李文光工程師測量師、江茂誠工程師、  
黃斯敏小姐、余光輝工程師
- 英國屋宇裝備工程師學會 - 香港分會 : 宋家樑工程師、老子揚工程師
- ASHRAE - 香港分會 : 黃振聲博士、馮榮超先生、周智鋒先生
- 香港空調及冷凍商會有限公司 : 卓劍騰工程師、陳紫鳴工程師、曾子盛先生、馮國熙先生、  
蔡文軒先生

## Time Table

Session	Date	Key Topics	Brief Contents	Name of Speaker*
1	17 Oct 2023 (Tue)	Energy Efficiency Requirements and Practices in HVAC System - Planning, Design and Retro-commissioning	<ul style="list-style-type: none"> <li>● Regulatory perspective</li> <li>● Planning and design</li> <li>● Retro-commissioning</li> </ul>	Ir Osman Lau
2	19 Oct 2023 (Thu)	Design Consideration and Energy Efficiency for Chilled Water System of Super High-rise Building	<ul style="list-style-type: none"> <li>● Optimal Chiller Plant Configuration</li> <li>● Optimal Chilled Water Hydraulic Zoning</li> <li>● Energy Efficient Chilled Water Supply and Return Temperature</li> </ul>	Ir Elmen Chu Ir Chris Ng
3	24 Oct 2023 (Tue)	HVAC Design for Hospital and Health Care Facilities	<ul style="list-style-type: none"> <li>● Design Standards for Health Care Facilities Critical Items related to HVAC</li> <li>● Design for Operating Theatres</li> <li>● Design for Isolation Facilities</li> <li>● Design for Laboratories</li> </ul>	Ir William Wong
4	31 Oct 2023 (Tue)	ASHRAE 135 BACnet and its Application in Hong Kong	<ul style="list-style-type: none"> <li>● BACnet basics</li> <li>● BACnet used cases</li> <li>● BACnet interoperability further development</li> </ul>	Mr. Cecil Man
5	2 Nov 2023 (Thu)	ASHRAE Standard 170 Ventilation of Health Care Facilities and Case Study	<ul style="list-style-type: none"> <li>● Introduction of the ASHRAE Standard 170</li> <li>● Design Planning</li> <li>● Design Application</li> <li>● Case Study</li> </ul>	Ir Paul Wong

Session	Date	Key Topics	Brief Contents	Name of Speaker*
6	7 Nov 2023 (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 Matt Yau Ir Emily Wong
7	9 Nov 2023 (Thu)	Smart Energy and Environmental Engagement System	<ul style="list-style-type: none"> <li>● Impact of IAQ on occupant behavior and perception</li> <li>● Main challenges in maintaining a premium indoor environment</li> <li>● Latest technologies in indoor environmental monitoring and energy optimization</li> </ul>	Ir Prof Horace Mui
8	14 Nov 2023 (Tue)	ESG-centric Digital Twin and related AI Technology	<ul style="list-style-type: none"> <li>● Explore how AI technologies can be used to effectively manage and improve ESG in buildings with an AI-enabled Digital Twin</li> <li>● Optimal operational performance</li> </ul>	Ir Billy Cheung
9	16 Nov 2023 (Thu)	IoT Application in HVAC and AI Chiller Plant Control Optimization	<ul style="list-style-type: none"> <li>● Latest IoT Application in HVAC</li> <li>● Energy optimization for air-side &amp; water-side system: Concept &amp; practical applications</li> <li>● Advanced energy optimization using big data &amp; artificial intelligence techniques</li> </ul>	Dr. Pan Lee



Session	Date	Key Topics	Brief Contents	Name of Speaker*
10	21 Nov 2023 (Tue)	(Part 1) Statutory Requirements for Carrying Out Minor Works Especially on MEP services.  (Part 2) Introduction to New Edition of Fresh Water Cooling Towers Scheme and corresponding Code of Practice	<ul style="list-style-type: none"> <li>● Introduction and Update for Cap. 123N Building (Minor Works) Regulation</li> <li>● Classes and Types of Minor Works &amp; Designated Exempted Works</li> <li>● Statutory Procedures for Carrying Out Minor Works</li> <li>● Technical Guidelines on Minor Works Control System</li> <li>● Background of FWCT Scheme and Current Review</li> <li>● Major Changes of the New FWCT Scheme and Code of Practice</li> <li>● Control and Practice of Fresh Water Cooling Towers</li> </ul>	Mr. Tony Yeung  Ir Hermann Yeung Mr. Dio Wong
11	23 Nov 2023 (Thu)	Modification and O&M Enhancement for HVAC in Fighting COVID	<ul style="list-style-type: none"> <li>● Design Criteria of Modification for HVAC System</li> <li>● Practical Sharing on O&amp;M Enhancement Works</li> </ul>	Ir Antonio Chan
12	28 Nov 2023 (Tue)	Regulatory Requirements and Compliance for Ventilation System, CAP. 123J & CAP. 132CE	<ul style="list-style-type: none"> <li>● Regulation of Ventilation Systems in Hong Kong</li> <li>● Notices and Circular Letter</li> <li>● Guide on Types of Licences Required</li> <li>● What legislation will regulate ventilation system?</li> </ul>	Mr. Shee Kin Chung

\* Remarks: The speakers may be subject 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

