

ASHRAE/ACRA- Joint Training Programme 2012

Title	HVAC Control Systems & Practical Applications
Date/Time	11(Tue), 18(Tue), 20 (Thur) & 25(Tue) September 2012, 6:30 pm – 9:30 pm (four evenings)
Venue	Lecture Theatre, 1/F HKPC Building, 78 Tat Chee Avenue, Kowloon.
Targeted Participants	<ul style="list-style-type: none">• HVAC professionals who want to understand the fundamentals of controls principles behind the control system design.• HVAC professionals who want to understand the meanings behind the jargons as communicated by controls professionals.• HVAC professionals who want to understand the impact of current technologies especially that of IT technologies into the development of modern control systems.
Abstracts	<p>In the HVAC industry, it relies very much on a reliable and well designed control system to deliver comfort and even energy savings to the end users of the facility. However, control systems have, most of the times, been enigmatic to HVAC practitioners. This CPD course is designed for HVAC professionals who are familiar with the mechanical systems of HVAC components but would like to know more about the fundamentals of controls. This CPD will unveil the basics behind control systems and theories so that the HVAC professionals can have a more in-depth understanding of how controls will help to achieve the final project delivery to the end users.</p>
Course Content	<p>Evening 1 - Introduction to HVAC control fundamentals, control system components, common control theories in HVAC applications.</p> <p>Evening 2 - Contemporary and future trends and developments in control industry, IT influence to the control industry and subsystems interfacing protocols.</p> <p>Evening 3 - Monitoring and Control of various subsystems in HVAC industry. Examples and explanation of commonly used control strategies in the HVAC and control.</p> <p>Evening 4 - Case Study: Application of HVAC Controls in a High Rise Building in Hong Kong</p>
Speakers	<p>Thomas Chan</p> <p>Thomas obtained Higher Diploma in Marine Engineering, BSc in Computer Science and Master in Business Administration. He has been working on the Building Controls industry for more than 22 years. He is currently the Energy Management Services Manager of Schneider Electric, specialized in energy consultancy and performance contracting. He has been an ASHRAE member since 2005 and is now the Honorary Secretary for ASHRAE Hong Kong Chapter this year.</p> <p>Ir Dr Albert So</p> <p>Albert obtained BSc(Eng), MPhil and PhD, all in electrical and electronic engineering, from The University of Hong Kong. He had been teaching in City University for 19 years on intelligent buildings, controls and electrical systems. He had been Director of Integrated Solutions of Johnson Controls Asia Building Efficiency and is now Director of Asian Institute of Built Environment. He is a Chartered Engineer and Registered Professional Engineer, Fellow of CIBSE, SOE and IMechE and CTTC Co-Chair of ASHRAE Hong Kong Chapter. His books, Intelligent Building Systems published in 1999 and Intelligent Building Systems – Enhanced Edition published in 2009, are still unique of this nature in the whole world.</p>



Emil Shet

Emil obtained HD and BEng(Hons) in Building Services Engineering. He is a certified energy manager (CEM), Carbon Audit Professional (CAP) and Beam Pro. He has 20 years' experience in building services engineering specializing in building management system, energy management, HVAC control and air-conditioning system. He has extensive experience in the design, installation and testing & commissioning of large scale BMS systems in Hong Kong and Macao such as 2IFC and HK Science Park Phase 2. He is currently the Engineering Manager of ATAL Building Services Engineering Ltd, specialized in energy management as well as engineering and applications of intelligent building systems.



YK Chan

YK obtained Higher Certificate in Building Services Engineering and BEng in Fire Engineering. He has been working in the Building Controls industry for over 20 years. He is currently the Building Controls Manager of Johnson Controls Hong Kong Limited and specialized in HVAC Controls and Building Management System.

Instruction Media

Cantonese (teaching materials from ASHRAE and ACRA) supplemented by English presentation. A text book – “**Fundamentals of HVAC Control Systems**” from ASHRAE, list-priced at US\$150, will be distributed to the participants (included in the fee).

Application

Open to all interested persons, but priority will be given to ASHRAE and ACRA members. Please complete and return the application form by e-mail/post and send the crossed cheque via post before **7 September, 2012**. Number of participants is limited. Places will be allocated on a first-come-first-served basis. Successful applicants will be informed individually by e-mail / phone.

Application Form: HVAC Control Systems & Practical Applications

Name (Dr/Mr/Mrs/Ms/Ir) : _____

ASHRAE Membership : Class:_____ No.: _____

ACRA Membership : Class:_____

Company/School : _____

Contact Address : _____

E-mail Address : (Required) _____

Contact Numbers : (Mobile) _____ (Fax) _____

[* Course fee includes refreshments, lecture notes, a copy of the reference book.]
 Course Fee (ASHRAE/ACRA Member) - \$2,300 x _____ person (cheque no.: _____)
 Course Fee (Non-Member) - \$2,500 x _____ person (cheque no.: _____)

Enquiries: For inquiries, please contact us at email info@acra.org.hk or info@ashrae.org.hk

Registration: The application form and crossed cheque with appropriate payment in Hong Kong dollars payable to “**The Hong Kong Air Conditioning and Refrigeration Association Ltd.**” shall be sent to **Room 1801, Tung Wai Commercial Building, 109-111 Gloucester Road, Wanchai, Hong Kong, before 7 Sept 2012**. The applicant may e-mail the above information to info@acra.org.hk for place reservation and then followed by cheque payment via mail.