

Organizer:



Building Services Operation and Maintenance Executives Society

Co-organizer:



Hong Kong Institute of Vocational Education (Morrison Hill)

Supporting Organizations:



Theoretical and Practical Course on Building Management System for Intelligent and Green Buildings

Course Objective

BMS is becoming more important in the daily life of Modern Buildings in Hong Kong. With the advent of technology, more complex Building Management System (BMS) has evolved and incorporated with a great number of networking technologies so as to provide the best operational control and energy savings.

The objectives of this course are to provide BMS knowledge and hands-on practice opportunity for building managers and BMS practitioners so as to facilitate them to manage and operate the BMS for better intelligent and green building performance. The participants can gain the basic & paramount concepts and operation principles of BMS in the lecture sessions. 3 to 4 participants will use a computer with licensed software in the laboratory sessions to practicing BMS operation.

Participants will have the learning outcome and practical experience below after six sessions:

1. To understand the trend and the theory behind of BMS.
2. To work on a simple BMS design so that the design flow can be appreciated.
3. To recognize the importance of documentation
4. To appreciate the application of the BMS in Building Energy Management

Biography of Speakers

Mr. Cecil Man

Mr. Cecil Man has more than 20 years in Building Management Systems. He was graduated from UNSW with B.Eng.(Hons) in Electrical Engineering and B.Sc. in Computing. He has worked in Honeywell, Siemens and joined the current company 8 years ago. He has various BMS experience and involved in the whole engineering cycle including Design, Engineering and T&C of various BMS and infrastructure systems. He is very active in promoting BACnet as the open system platform and involved in various systems integration using BACnet.

Ir S.T. Mak

Ir. Mak Sui Tong has more than 20 years of experience in teaching in Vocational Training Council with specialism on intelligent buildings, building management system and energy management. He is the member of HKIE, BSOMES and fellow member of AIIB. He is a certified carbon auditor with experience of conducting energy cum carbon audit for buildings. He got a Master in Precision Engineering and MBA after graduating from Hong Kong Polytechnics with BEng (Hons) in Mechanical Engineering.

Course Structure

The structure of the course is composed of theory session and practical session.

1. Theory session (4 classroom sessions, 12 hours)

Session 1 – Basics and architecture of a BMS system

Session 2 – BMS building blocks, terminologies and the basic elements

Session 3 – Applications, networking and identifying the current trend of BMS

Session 4 – Building Energy Management by BMS

2. Practice session (2 laboratory sessions, 6 hours)

All participants will be assigned into teams by the course organizer. Each team will be provided a laboratory manual for a step-by-step implementation of a BMS system. Identify the steps and approaches to build a BMS solution:

Laboratory 1: Operation of hardware and software for BACnet control systems (including designing Graphics User Interface and inputs/outputs configuration, basic programming.)

Laboratory 2: Building energy management using BMS, testing and commissioning of hardware and software.

CPD Certificate

Two Continuing Professional Development (CPD) certificates will be issued to each participant. After attending all sessions of Theory sessions and Practice sessions, a participant will be awarded two CPD certificates of 12-hour and 6-hour accordingly.

Teaching Media

English notes will be provided to each participant.

The above lectures and laboratories will be conducted in Cantonese with English terminologies.

Course Schedule

Date of lectures and laboratories:

Lectures:

All participants will attend 4 lectures on 10(Tue), 12(Thu), 17(Tue) and 19(Thu) in Jun 2014.

Laboratories:

Participants will be grouped as four teams in the laboratory session in July 2014. The participants can show their preference by completing the attached registered form. The final grouping arrangement will be subject to a first-come-first-served basis and the organizer's final decision.

Time of lectures and laboratories:

All lectures and laboratories of the course will be conducted from 18:30 to 21:30.

Venue

All lectures and laboratories will be conducted at Lecture theatre LT02 and Room 101 respectively in Hong Kong Institute of Vocational Education (Morrison Hill).

The address of the above institute: 6, Oi Kwan Road, Wanchai, Hong Kong.

Confirmation

The successful applicants will receive a confirmation of e-mail on or before 03 Jun 2014 regarding the confirmed dates and venues of the above lectures and laboratories.

Registration and Early Bird Deadlines

Early bird registration deadline: 09 May 2014

Application registration deadline: 30 May 2014

Registration Form

Course: Theoretical and Practical Course on Building Management System for Intelligent and Green Buildings

Deadlines of Early Bird and Registration

Early bird registration deadline: 09 May 2014

Application registration deadline: 30 May 2014

Tuition Fee	Early Bird Rate	Normal Rate
IVE's full time staff or BSOMES members	HK\$2,500	HK\$3,000
Members of Supporting Organizations	HK\$2,800	HK\$3,200
The public	HK\$3,000	HK\$3,500

Priority will be given to the full-time staff of IVE, BSOMES members and supporting organizations members.

Laboratory dates	Team (Mon)	Team (Tue)	Team (Thu)	Team (Fri)
	07 & 14 Jul 2014	08 & 15 Jul 2014	03 & 10 Jul 2014	04 & 11 Jul 2014
Preference priority (One to Four)				

Please put a "One" into the above box under the your most desirable date. **The arrangement of laboratory date is on a first-come-first-served basis and the organizer's final decision.**

Name of Applicant:	
Contact Address:	
Contact Phone:	(Office) _____ (Mobile) _____
E-mail Address:	
Institution Affiliated:	*VTC full-time staff No.: _____
*delete the not applicable items	*BSOMES Membership No.: _____
	* Supporting Organization Name and Membership No.: _____
Amount:	Total : HK\$ _____
Cheque no.:	# _____ of _____ Bank crossed cheque payable to : BSOMES Please mark " BMS course 2014" on the back of the above cheque

Enrolment

Please complete and this registration form with a crossed cheque payable to BSOMES

BSOMES address: P O Box 95872, Tsim Sha Tsui Post Office, Hong Kong

Confirmation

The successful applicants will receive a confirmation of e-mail on or before 03 Jun 2014 regarding the confirmed dates and venues of the above lectures and laboratories.

Enquiry

Please contact Mr. W. L. Wong at 6434 0474 or email to bsomeshk@gmail.com