

**Building Management Systems:**  
**Modern Application, Education and Training Developments**  
**in China, Hong Kong and Macau**

中國(內地)、香港及澳門三地：  
樓宇自控系統的應用、教育及培訓發展

Contemporary buildings and systems demand a very high standard of competence from designers, installers and operators to achieve the functionality necessary for sustainable development. The complexity of building services installations requires detailed control and monitoring of the building performance. The Building Management System (BMS) is the best tool for this.

The increasing importance of energy use has impacted building operations significantly, and BMS can assist to integrate and regulate the energy use. Meanwhile, a better living environment is another issue for sustainable city development, the controls on the indoor environmental quality for human comfort, health, and productivity etc. must also be addressed through an advanced application of BMS.

A one-day conference on the use of BMS in buildings has been organized by the HKBCxC with other co-organizers and supporters. The conference will be divided into two sessions. The morning session will be focused on BMS in contemporary buildings in China, Hong Kong and Macau. Six current local BMS vendors (namely ATAL, Carrier-UTC, Delta, Honeywell, Johnson Control, and Siemens) will be invited to give presentations on contemporary applications of BMS in controls, commissioning, operations and energy management. Experience sharing and project evaluation on building performance can also be addressed. A discussion forum will be held after the presentations.

The afternoon session will be focused on BMS education and training to meet the industry's needs. Academic and professional bodies from China, Hong Kong and Macau will be invited to give their insights on the education and training for engineering students and trade professionals.

The conference is aimed at professionals and supervisory staff engaged in project management, design, contracting, and operation & maintenance management in the built environment industry.

**(Preliminary)**

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24<sup>th</sup> November 2009

**Chiang Chen Theatre, Hong Kong Polytechnic University, Kowloon, Hong Kong**  
**(G/F., Core A)**

**Registration Form**

Fee: Regular fee HK\$350 including 2 tea refreshments and proceedings (lunch excluded);  
Discounted fee HK\$300 for members of co-organizing and supporting bodies (lunch excluded);  
Students fee HK\$100 for full time students supported by academic institutions (lunch excluded), limited seats available.

Please make cheques payable to the Conference Treasurer:

**Building Services Operation and Maintenance Executives Society Hong Kong Limited**

Name: (Dr/Ir/Mr/Ms/Miss) \_\_\_\_\_

Company/ organization: \_\_\_\_\_

Position Title: \_\_\_\_\_

Contact Address: \_\_\_\_\_

Contact Phone: (Office) \_\_\_\_\_ (Mobile) \_\_\_\_\_

Fax #: \_\_\_\_\_ Email Address: \_\_\_\_\_

Institution Affiliated: \_\_\_\_\_

Cheque no.: \_\_\_\_\_ Amount (HK\$): \_\_\_\_\_

Conference Language: English and Chinese (Putonghua)

For enquiry: Mr. Jordan Kwong / Mr. Anthony Lai

Tel: (852) 2436 8615 / (852) 2436 8658 Fax: (852) 24361707

E-mail: ckwong@vtc.edu.hk / sai9022@vtc.edu.hk

Please send the registration form with payment to:

HKBCxC c/o  
Department of Engineering  
IVE (Tsing Yi)  
20 Tsing Yi Road, Tsing Yi, N. T., Hong Kong

CPD Certificate will be provided for delegates.

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**Organizer and Co-organizers:**



**Hong Kong Building Commissioning Centre, Vocational Training Council**  
**Department of Building Services Engineering, Hong Kong Polytechnic University**  
**Building Services Operation and Maintenance Executives Society**  
**Hong Kong Association of Energy Engineers**

**Supporters:**



The Air Conditioning and Refrigeration Association, Hong Kong (ACRA)  
Asian Institute of Intelligent Buildings (AIIB)  
Architectural Services Department, The HKSAR (ArchSD)  
Hong Kong Branch, The Chartered Institution of Building Services Engineers (CIBSE-HKB)  
The Energy Institute, Hong Kong Branch (EI-HKB)  
Electrical and Mechanical Services Department, The HKSAR (EMSD)  
Building Services Division, The Hong Kong Institution of Engineers (HKIE-BSD)  
Department of Engineering, Hong Kong Institute of Vocational Education (Tsing Yi)

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Time	Title	Speakers
08:45 – 09:00	<b>Registration</b>	
09:00 – 09:05	<b>Welcome Speech</b>	<b>Ir Edmund KH Leung</b> SBS OBE JP Hon. Advisor of HKBCxC Chairman of Energy Advisory Committee Past President of HKIE
09:05 – 09:15	<b>Opening Speech</b>	<b>Ir Stephen HC Chan</b> JP Director of Electrical and Mechanical Services Department, HKSAR
09:15 – 09:40	<b>Keynote Speech</b>	<b>Mr. David Robin</b> (TBC) Chair of ASHRAE SSPC135 (BACnet)
	<b>Session 1:</b> <b>Applications of BMS</b>	Chair: Mr. Greg Powell Department of BSE, Hong Kong Polytechnic University
09:40 – 10:05	TBA	Mr. Dave Chan, ATAL
10:05 – 10:30	TBA	Carrier UTC
10:30 – 10:55	TBA	Mr. Raymond Rai, Delta Controls
10:55 – 11:15	<b>Refreshments</b>	
11:15 – 11:40	Megatrends in Application of BMS	Mr. Leo Leong North Asia, Honeywell Building Solutions
11:40 – 12:05	Sustainability Integrated Solutions through BMS	Ir KO Wong, Manager, Energy Solutions Johnson Controls
12:05 – 12:30	TBA	Siemens Hong Kong
12:30 – 12:45	<b>Panel Discussion</b>	Chair: <b>Ir Otto LT Poon</b> BBS OBE Hon. Advisor of HKBCxC President of Federation of E&MCA Past President of HKIE
12:45 – 14:15	<b>Lunch</b> (Delegates to make own lunch arrangements)	

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	<b>Session 2: BMS Education &amp; Training</b>	Chair: Ir CF Wong HKBCxC
14:15 – 14:35	TBA	Ir Paul Chan Discipline Representative (BSS), HKIE
14:35 – 14:55	TBA	Ir Dr. Simon Deng Associate Professor, Dept. of BSE, HKPolyU
14:55 – 15:15	TBA	TBC
15:15 – 15:35	BMS development and education in China	Prof. Cheng Dazhang, Tongji University, Shanghai, China 程大章教授, 上海同濟大學
15:35 – 15:50	<b>Refreshments</b>	
15:50 – 16:10	Advancement in Condition Monitoring and Its Management	Dr. Peter Tse, BSOMES
16:10 – 16:30	Building Automation Engg. Education in Mainland China: College Education & Professional Training (中国大学的楼宇自控教育和 业界的职业培训)	Prof. Ren Qinchang, Xian University of Architectural Technology, Vice Chairman of Shanxi Province Branch of Chinese Automation Association, China. 任庆昌教授, 西安建筑科技大学、中国 自动化学会陕西省分会副主任
16:30 – 16:50	TBA	Macau Institute of Engineers
16:50 – 17:10	BMS training for the changing environment in HK	Ir Brian O HoD, Department of Engineering, IVE(TY), Vocational Training Council
17:10 – 17:25	<b>Panel Discussion</b>	Chair: <b>Ir Dr. Alex SK Chan</b> Hon. Advisor of HKBCxC Past President of HKIE
17:25 – 17:30	<b>Closing Remark</b>	<b>Ir Prof. WK Chow</b> HoD, Department of BSE, Hong Kong Polytechnic University

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