

**BSOMES**

The 10th Guangdong-Hong Kong-Macao Bay Area Conference on *Operation and Maintenance in Buildings*

6th December 2019@Chiang Chen Studio Theatre, The Hong Kong Polytechnic University

"MAKING SMART BUILDINGS SMARTER"

CONFERENCE THEME

This annual conference is to promote the best practices of building services operation and maintenance to the society of Hong Kong and the counterparts in the Greater Bay Area.

The conference embraces the following sub-themes:

- *Retro-commissioning Challenge*
- *Smart Energy Management*
- *Environmental Performance Enhancement Measures*
- *New Technology for Smart Building Applications*

WHO SHOULD ATTEND

Property developers, building operation and maintenance executives, facility management professionals, green building professionals, engineers, designers, researchers, and academics involved in the mechanical, electrical and building services disciplines of the building sector.

For details, please visit our website at

<http://www.bsomes.org.hk>

FEES (per person)

	EARLY BIRD (on or before 1st Nov 2019)	STANDARD (after 1st Nov 2019)
Member of BSOMES/Co-organizers or Supporting Organizations	HK\$800	HK\$900
Non-member	HK\$1,000	HK\$1,200
Full-time Student	HK\$250	HK\$350

fee includes e-proceedings, coffee breaks and lunch

CPD CERTIFICATE

6 hours CPD certificate issued by BSOMES will be provided at the end of conference.

REGISTRATION



1. Please register online via by QR code or below link and send a crossed cheque payable to https://docs.google.com/forms/d/e/1FAIpQLScpLDAPQ0qmil14DerRsZ7vkTtkw3-4wRwDXwVLLkjb4z3Uw/viewform?usp=sf_link "BSOMES" address to P.O. Box95872, Tsim Sha Tsui Post Office, Attn: Ir Johnson LAU
2. At the back of the cheque, please kindly state "GPRD2019", name of your company/organization, contact person, contact phone number and email address.
3. No refund may be made but substitute delegate is allowed.
4. e-Receipt will be issued to the person by email.
5. For enquiry, please email to gprd2019@bsomes.org.hk
6. Successful registration will receive notification message

Organizer:

Building Services Operation and Maintenance Executives Society (BSOMES)

Co-organizer:



Official language of the Conference is English

Organizer :



BSOMES
Building Services Operation and
Maintenance Executives Society
屋宇設備運行及維修行政人員學會

Co-Organizer :



**THE HONG KONG
POLYTECHNIC UNIVERSITY**
香港理工大學



AEEMM
澳門機電工程師學會
The Macao Institute of Electrical and Mechanical Engineers



華南理工大學
South China University of Technology



建築署
Architectural Services Department

機電工程署

EMSD



水務署
Water Supplies Department



**BUILDINGS
DEPARTMENT**



Asian Institute of Intelligent Buildings



**CONSTRUCTION
INDUSTRY COUNCIL**
建造業議會



HKIQEP
香港環專會



**The Association of
Energy Engineers**
Hong Kong Chapter



香港地產行政師學會
HONG KONG INSTITUTE OF REAL ESTATE ADMINISTRATION



香港能源工程師學會
Hong Kong Association of Energy Engineers



**Hong Kong
Chapter**



Hong Kong



Department of Systems Engineering
and Engineering Management
香港城市大學
City University of Hong Kong

HONG KONG HOTELS ASSOCIATION
香港酒店業協會



**BUSINESS
ENVIRONMENT
COUNCIL**
商界環保協會



HKGBC
香港綠色建築議會



建築環保評估協會



香港物業管理師學會



香港持牌水務專業學會
HONG KONG LICENSED WATERWORKS PROFESSIONAL ASSOCIATION



香港水喉潔具業商會有限公司
Hong Kong Plumbing & Sanitary Ware Trade Association Ltd.



RICS



Star Engineering Asset Management
(SEAM) Laboratory
智能工程資產管理實驗室



CIOB
THE CHARTERED INSTITUTE OF BUILDING



Chartered Institute of Plumbing
and Heating Engineering



**THE HONG KONG ASSOCIATION OF
PROPERTY MANAGEMENT COMPANIES**
香港物業管理公司協會



IFMA Hong Kong Chapter
International Facility Management Association



HKFEMC
香港機電工程商聯會



香港聲學學會
Hong Kong Institute of Acoustics



The Hong Kong Institute of
Building Information Modeling
香港建築信息模擬學會



香港工程監督學會
The Hong Kong Institute of
Clerks of Works



The Hong Kong Institute of
Facility Management
香港設施管理學會



香港房屋經理學會
The Hong Kong Institute of Housing
1988年創設, Established in 1988
1997年定香港法例第507章成立, Incorporated in 1997 under Cap. 507, Law of Hong Kong



THE HONG KONG INSTITUTE OF
SURVEYORS
香港測量師學會



THE HONG KONG
INSTITUTION OF ENGINEERS
香港工程師學會



THE HONG KONG
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Gas & Energy Division
燃氣及能源分部



電梯業協會
THE LIFT & ESCALATOR
CONTRACTORS ASSOCIATION



engineering success
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營運工程師學會 香港分會

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The 10th Guangdong-Hong Kong-Macao Bay Area Conference on Operation and Maintenance in Buildings

Date : 6 December 2019 (Friday)

Venue: Chiang Chen Studio Theatre, The Hong Kong Polytechnic University

Conference Programme

08:30	Registration	Authors/ Presenter	0830-0900
	Welcome Address Ir Johnson LAU – Chairman, Conference Organizing Committee	Ir Johnson LAU	0900-0905
	Opening Ceremony, Group Photo taking		0905-0910
09:10 11:15	1 st Session : Retro-commissioning challenge		
	Keynote Speaker #1: Mr. SIT Wing Hang, Alfred, JP / Director of Electrical and Mechanical Services	Mr. SIT Wing Hang, Alfred	0910-0930
	Paper 1 - Retro-Commissioning and the Utilization of On-Going Monitoring Tool at Devon House and Cambridge House	Raymond YAU, Barry LAU, Timothy LOK	0930-0955
	Paper 2 - Regulations on retro-commissioning in six U.S. cities: Potential reference for Hong Kong	Roger LAW, Joseph LAI, Steven CHAN	0955-1020
	Paper 3 - Retro-commissioning for Smart Buildings	Ricky TAM	1020-1045
	1 st Session Q&A :	Mr. Keith CHUNG	1045-1055
	Coffee Break / Exhibition		1055-1115
11:15 14:00	2 nd Session : Smart Energy Management		
	Paper 4 - Applying artificial Intelligence (AI) to Optimise Chiller Plant Energy Use	Pan LEE	1115-1140
	Paper 5 - Energy-saving Optimization Operation of Central Air-conditioning System Based on Double-DQN Algorithm	HUANG Qi, YAN Junwei	1140-1205
	Paper 6 - Hourly Energy Consumption Prediction Method for Complex Central Air Conditioning Control System Based on Operating Mode Division	MA Yanzhe, YAN Junwei	1205-1230
	2 nd Session Q&A :	TBA	1230-1240
	Luncheon		1240-1400
14:15 15:55	3 rd Session : Environmental Performance Enhancement Measures		
	Keynote Speaker #2 : Mr. Dick YU / Director of Buildings Department	Mr. Dick YU	1415-1435
	Paper 7 - Energy Conservation Analysis of Early Switch Off Scheduling Technology for Central Air-conditioning System	QIAO Furong, YAN Junwei	1435-1500
	Paper 8 - Introduction of Sun Control Window Film - for Energy Conservation and Building Sustainability	Turis LI	1500-1525
	3 rd Session Q&A:	Dr. Philip WONG	1525-1535
	Coffee Break / Exhibition		1535-1555
15:55 17:30	4 th Session: New Technology for Smart Buildings Applications		
	Keynote Speaker #3 : Mr. TSE Wai Chuen B.B.S / Chairman of Property Management Services Authority	Mr. TSE Wai Chuen	1555-1610
	Paper 9 - Integration of proprietary systems into a single system using BACnet	Cecil MAN	1610-1635
	Paper 10 - How Smart Controllers and Analytic Software improves Building Performance and Save Costs	Kevin HUNG, Vanya IGNATOVA, Jonathan CHIU, Kelvin LI, Ian LEE	1635-1700
	4 th Session Q&A:	Ir Sr Jonathan LEE	1700-1720
	Presentation of Outstanding Paper Award Closing Address Ir Chris TING – President of BSOMES, including handover ceremony to Macau's representative END of Conference	Ir Chris TING	1720-1730