

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 WHO SHOULD ATTEND
- Smart Energy Management
- Environmental Performance **Enhancement Measures**
- New Technology for **Smart Building Applications**

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/1FAlpQLScpLDAPQ0qmil14DerRsZ7vkTtkw3-4wRwDXwVLLkjb4z3tUw/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:









Organizer:



Co-Organizer:











建築署 **Architectural Services Department**



























































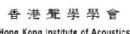






































Electrical Division 電機分部





營運工程師學會 香港分會

Technical Committee:

Dr. Joseph Lai (Chair)

Dr. Philip Wong (Deputy Chair)

Dr. Anthony Lo (Member)

Dr. Betty Chiu (Member)

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Dr. Raymond Man (Member)

Dr. Roger Ng (Member) Dr. Sam Hui (Member)

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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
	1st 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
09:10	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
l	Paper 2 - Regulations on retro-commissioning in six U.S. cities: Potential reference for Hong Kong	Roger LAW, Joseph LAI,	0955- 1020
11:15	Paper 3 - Retro-commissioning for Smart Buildings	Steven CHAN Ricky TAM	1020-
	1st Session Q&A:	Mr. Keith CHUNG	1045 1045-
	Coffee Break / Exhibition		1055 1055- 1115
11:15	2 nd Session : Smart Energy Management		1110
1	Paper 4 - Applying artificial Intelligence (AI) to Optimise Chiller Plant Energy Use	Pan LEE	1115- 1140
14.00	Paper 5 - Energy-saving Optimization Operation of Central Air-conditioning System Based on Double-DQN Algorithm	HUANG Qi, YAN Junwei	1140- 1205
14:00	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
	3 rd Session : Environmental Performance Enhancement Measures		
14:15	Keynote Speaker #2 : Mr. Dick YU / Director of Buildings Department	Mr. Dick YU	1415- 1435
14.15	Paper 7 - Energy Conservation Analysis of Early Switch Off Scheduling Technology for Central Air-conditioning System	QIAO Furong, YAN Junwei	1435- 1500
I	Paper 8 - Introduction of Sun Control Window Film - for Energy Conservation and Building Sustainability	Turis LI	1500- 1525
15:55	3 rd Session Q&A:	Dr. Philip WONG	1525- 1535
	Coffee Break / Exhibition		1535- 1555
	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
15:55 	Paper 10 - How Smart Controllers and Analytic Software improves Building Performance and Save Costs	Kevin HUNG, Vanya IGNATOVA, Jonathan CHIU, Kelvin LI,	1635- 1700
47:00		lan LEE	
17:30	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	Ir Chris TING	1720- 1730
	END of Conference		