

The 1st Greater Pearl River Delta Conference
on
Building Operation and Maintenance :
**Sustainable and Value-for-Money
Built Facilities**

第一届大珠三角屋宇运行及维修会议：
可持续及物有所值的建筑设备

22nd October 2010, Friday
Chiang Chen Studio Theatre,
The Hong Kong Polytechnic University

Organizer

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



Co-organizers

Thermal Energy and Power Engineering,
School of Mechanical and
Automotive Engineering
机械与汽车工程学院 热能与动力工程专业

Industrial and Civil HVAC Energy
Conservation Research Center
工业与民用空调节能研究中心

South China University
of Technology
华南理工大学



Associação dos Engenheiros
Electrotécnicos e Mecânicos
de Macau (AEEMM)
澳门机电工程师学会



Department of Building Services
Engineering, The Hong Kong
Polytechnic University
香港理工大学 屋宇设备工程学系

Theme of Conference

Contemporary built facilities, including buildings and their services systems, require a very high standard of design, installation, operation and maintenance in order to achieve their intended functions. The increasing importance of energy conservation, tightening governance on safety and health, and rising demands for quality yet economical operations are critical to the sustainability of these facilities.

Since 1998, the economic integration of the Greater Pearl River Delta (GPRD) Region, which comprises the Guangdong Province, Hong Kong and Macau, has boosted up the economic and social intercourses and hence the investments on buildings and real estates. The implementation of the Closer Economic Partnership Agreement since 2003 and the promulgation of the State's directives in 2008 on the reform of Guangdong economies have further intensified the need for developing built facilities which are not only value-for-money but also sustainable in the long run.

In view of this need, the Building Services Operation and Maintenance Executives Society (BSOMES), with the supports from three other co-organisers in the GPRD Region and 26 supporting organisations in Hong Kong, has organised the present Conference, which is the first of its kind focusing on building operation and maintenance. With its main theme being "Sustainable and Value-for-Money Built Facilities", the Conference embraces the following sub-themes:

- ◆ Information Management for Sustainable Facilities
- ◆ Services Operation & Maintenance: Case Studies
- ◆ Energy Management & Facilities Economics
- ◆ Regulatory Controls & Revitalization of Facilities

Who should attend?

Academics
Contractors
Engineers
Engineering Consultants

Facility Managers
Government Officials
Housing Managers
Maintenance Managers

O&M Practitioners
Plant Operators
Property Developers / Owners
Property Managers

Safety Managers
Scientists / Researchers
Technical Managers
University Students

Organising Committee Members

Ir Dr. Joseph Lai (Chair), *The Hong Kong Polytechnic University*
Mr. Cary Kwan (Secretary), *Vice President of BSOMES*
Ir K.F. Yee, *President of BSOMES*
Ir Michael Yeung, *Electrical & Mechanical Services Department, HKSAR*
Ir C.F. Wong, *Hong Kong Building Commissioning Centre*
Ir Jonathan Lee, *Activity Committee Chairman of BSOMES*
Ms. Persia Lai, *The Hong Kong Polytechnic University*

Technical Committee Members

Ir Prof. Francis Yik (Chair), *The Hong Kong Polytechnic University*
Ir Dr. Joseph Lai, *The Hong Kong Polytechnic University*
Ir Dr. Encon Hui, *Past President of BSOMES*
Ir Dr. Peter Tse, *Executive Committee Member of BSOMES*
Ir C.F. Wong, *Hong Kong Building Commissioning Centre*
Mr. John Ng, *Associação dos Engenheiros Electrotécnicos e Mecânicos de Macau*
Mr. Albert Chuck, *Associação dos Engenheiros Electrotécnicos e Mecânicos de Macau*
Prof. LX Ding (丁力行教授)



22nd October 2010, Friday

Morning Session	
8:30 - 9:00	Registration & Coffee Reception
9:00 - 9:05	<i>Welcome Address:</i> <i>Ir Dr. Joseph H.K. Lai</i> Chairman, Conference Organizing Committee
9:05 - 9:15	<i>Keynote Speech:</i> <i>Ir Stephen H.C. Chan, JP</i> Director of Electrical and Mechanical Services, HKSAR
9:15- 9:30	<i>Distinguished Guest Speech 1:</i> <i>Prof. W.K. Chow</i> , Head of Department of Building Services Engineering, The Hong Kong Polytechnic University
Session A - Information Management for Sustainable Facilities (Chair: Prof. LX Ding)	
9:30- 10:30	Underpinning Building Services Maintenance and Asset Management by Reliability Analysis <i>F. W. H. Yik and J. H. K. Lai</i> Sustainability Reporting and Implications to Data Collection in Commercial Buildings <i>Encon Y. Y. Hui</i> Strategic Use of Facility Management Software for Building Sustainability <i>Alan Y. W. Lam, K.W. Chiu, Eddie W. C. Fung, C. Y. Chu</i>
10:30 - 10:45	Question & Answer
10:45 - 11:10 Coffee Break	
11:10 - 11:25	<i>Distinguished Guest Speech 2:</i> <i>Dr. J.W. Yan</i> , Head of Industrial and Civil HVAC Energy Conservation Research Center, South China University of Technology, China 城市级能源监管和空调节能集中控制体系
Session B - Services Operation & Maintenance: Case Studies (Chair: Dr. Joseph Lai)	
11:25 - 12:25	Control Performance Improvement of HVAC Terminals to Enhance Plant Efficiency <i>W. H. Chan, C. K. Sze, J. P. Wu, S. Y. Chan, H. W. Cai, C. Chang and J. Y. Qin</i> 惠州某通信大楼空调系统节能改造 <i>闫军威, 康英姿, 周璇, 高志明</i> Empire State Building Case Study <i>R. Moulit</i>
12:25 - 12:40	Question & Answer
12:40 - 14:00	Lunch Session
Afternoon Session	
Session C – Energy Management & Facilities Economics (Chair: Dr. Peter Tse)	
14:00 - 15:00	Performance Indicators for Hotel Facilities - a Study based on CMMS Data <i>Joseph H.K. Lai and Francis W.H. Yik</i> A New Integrated Approach to Intelligent Building Management and Operation: Meeting the Needs of the Clients in the Changing World <i>P. C. Lau and B. Y. M. Lam</i> Be a Smart Owner - Energy Saving and Asset Replacement <i>Tak-him Tai</i>
15:00 - 15:15	Question & Answer
15:15 - 15:40 Coffee Break	
15:40 - 15:55	<i>Distinguished Guest Speech 3:</i> <i>Mr. Raymond Koh</i> , The Macao Institution of Electrical and Mechanical Engineers Strategic Building Services Operations and Management for Sustainability and Enhance the Built Facility in an Integrated Resort in Macau
Session D – Regulatory Controls & Revitalization of Facilities (Chair: Prof. Francis Yik)	
15:55 - 16:35	Forensic Accountancy in Damage / Compensation Assessment relating to Built Facilities and Building Services <i>B. K. B. Kwok</i> Revitalization of a Building from Grey to Green <i>John Burnett</i>
16:35 - 16:50	Question & Answer
16:50 - 17:00	<i>Closing Address & Presentation of Souvenirs</i> <i>Ir K.F. Yee</i> , President of BSOMES, Hong Kong
17:00 End	

*Note: The above programme, including the speakers and papers to be presented, is subject to change.
Poster presentations will also be made during the coffee breaks.

