

## Theoretical Course on Building Management System for Modern Buildings

### 現代化屋宇設施管理系統理論課程

#### **Supporting Organizations (支持機構) (in alphabetical order):**

AEM (澳門工程師學會)

BSOMES Macau Branch (屋宇設備運行及維修行政人員學會澳門分部)

IEEE Macau (澳門電機及電子工程師學會)

MPF (澳門物業設施管理協會)

SOEMR (澳門營運工程師學會)

**Date (日期)** : 23 March 2016 (Wednesday)

**Time (時間)** : 10:00am – 5:00pm (Lunch break from 12:30pm to 2:00pm)

**Venue (地點)** : Vista, 3/F MGM Macau (澳門美高梅酒店三樓 – 維天閣)

#### **Course Objective (課程概要):**

BMS is becoming more important in the daily life of Modern Buildings in Hong Kong and Macau. 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 for building managers and BMS practitioners so as to facilitate them to manage and operate the BMS for better building performance. The participants can gain the basic & paramount concepts and operation principles of BMS in the course.

Participants should gain the following outcome after the sessions:

1. To understand the basic building blocks of BMS;
2. To understand terminologies of BMS;
3. To understand the communication protocols and trend towards open BMS;
4. To appreciate the application of the BMS in Building Energy Management.

在現今的港澳，屋宇設施管理系統（BMS）的應用已經成為現代樓宇的重要部分。伴隨著近代的科技發展，複雜且功能強大的 BMS 系統應運而生，以滿足現今世代對環保與低能耗之需求。本課程之目標為向學員介紹 BMS 系統如何管理及提升樓宇之表現，同時讓使用者對 BMS 系統之理論及實際操作有一定程度之了解及提升。

完成此課程之學員，應可獲得以下知識：

1. 了解 BMS 系統之基本元件；
2. 明白 BMS 系統之相關術語及名詞；
3. 了解 BMS 系統所採用的通訊協議及其趨勢；
4. 了解 BMS 系統對減少樓宇能耗之影響及重要性。

#### **Biography of Speaker (課程導師):**

Mr. Cecil Man has more than 29 years in Building Management Systems. He was graduated from UNSW with B.Eng.(Hons) in Electrical Engineering and B.Sc. in Computing. He has been in the Controls Industry since then. He has worked in Honeywell, Siemens for more than 15 years and joined the current company 12 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. He has been active in ASHRAE HK Chapter committees and is currently the Sustainability Chair for 2015-16.

導師文志豪先生畢業於澳洲新南威爾斯大學，擁有電腦及電子工程雙學位。自畢業後便從事屋宇設施管理系統(BMS)相關工作的文先生，至今對 BMS 系統已有超過 29 年經驗。文先生 在 12 年前加入現在的公司前，曾於 Honeywell 及 Siemens 有 15 年的工作經驗。文先生在 BMS 及基礎設施範疇上之設計、安裝及測試均具有豐富經驗。文先生同時活躍於推廣 BACnet 及使用 BACnet 作為不同系統之間之溝通平台。除此之外，文先生同時擔任美國供暖製冷及空調工程師香港分會 2015-2016 年度可持續發展委員會主席。

### **Teaching Media (教材):**

English notes will be provided to each participant. 每位學員均可獲得一份英語擇要。

The above course will be conducted in Cantonese with English terminologies. 除個別英文術語外，課程將以中文作主要語言。

### **Fee (費用):**

Free of charge; but no lunch provided. 免費但不包括午餐。

### **Registration & Enquiry (登記及查詢):**

Seats are limited. Open to all interested persons, but priority will be given to ASHRAE members, members of supporting organizations and non-members who will attend the ASHRAE Night in Macau at 6:00pm on 23 March 2016. The deadline of application is 16 March 2016. Please send the completed Registration Form to us by fax at 853-28827226 or online enrollment form (the hyperlink is [here](#)). Successful applicants will be informed individually by e-mail or phone on or before 18 March 2016.

For enquiry, please contact Mr. WM Ng at 853-6646 0249 or email to [wmng@atalbs.com.hk](mailto:wmng@atalbs.com.hk).

任何有興趣人士均歡迎出席本課程。但基於座位有限，本會會員、支持機構之會員及將於 2016 年 3 月 23 日下午 6 點出席 ASHRAE Night 的嘉賓將有參與課程之優先權。報名截止日期為 2016 年 3 月 16 日。參加者請填妥以下表格並傳真至 853-28827226 或上網登記 ([here](#))。成功獲批核之參加者將於 2016 年 3 月 18 日或以前收到電郵或電話之通知。

如有任何查詢，請致電吳偉民先生 (853- 6646 0249) 或電郵 [wmng@atalbs.com.hk](mailto:wmng@atalbs.com.hk)。

### **Registration Form (登記表格)**

Name of Applicant (參加者姓名):	
Company/ Institution Name (公司/機構):	
Contact Phone (聯絡電話):	(Office) (Mobile)
E-mail Address (電郵地址):	
ASHRAE Membership No. (會員號碼):	
Name of Supporting Organizations & Membership No. (支持機構及會員號碼):	