

Organizers:



## **Joint Technical Seminar on “High Performance Building Design & LEED Implementation”**

- Date : 7 June 2017 (Wednesday)
- Time : 6:30 – 9:30pm (Registration will start at 6:00pm)
- Venue : FJ302, The Hong Kong Polytechnic University, Hung Hom, Kowloon, Hong Kong
- Language : English
- Fee : HK\$100 (ASHRAE-HKC & Platinum Members);  
HK\$150 (Members of Supporting Organizations);  
HK\$200 (Standard)  
Free (Full Time Staff/Student of PolyU)
- CPD hours : 3-hour CPD certificate will be provided

### **Topics of the Technical Seminar**

#### **Session 1**

#### **International Energy Efficiency Standards and Guidelines**

This session provides an overview of the development of energy efficiency standards and guidelines in the U.S., Canada, Europe and other regions of the world. Also covered is a comparison and discussion of how these will help lead to the design and operation of High Performance Buildings.

#### **Session 2**

#### **High Performance Building Design – What the Future holds for the Direction for our Industry** [GBCI Approved | 1 CE Hour | 0920005392 / AIA Approved | 1LU | Lawrence03]

During the past two decades we have seen the growth and maturation of the green or high-performance building design concept. The U.S. Green Building Council’s LEED program was one of the main pioneers in this and ASHRAE’s Standard 189.1 helped evolve this concept into mandatory building codes. This session provides an overview of how building systems have evolved to meet the demands for green building design and where we are headed in the future in this arena. Also covered are topics such as the evolution of building codes to include green or sustainability features, how a building designer can include these concepts in their designs, the impact of new technologies such as a smart grid and BIM on the design, and discussion on how this will impact the industry.

#### **Session 3**

#### **LEED Implementation on High Performance Building Design**

This session provides an overview of the current development of LEED and updates on LEED version 4. Also covered are the new directions explored by the USGBC and the certification schemes under its umbrella. The session also presents the trends in LEED certification in Hong Kong and Greater China and outlines key specifics in applying LEED and high performance building design in the region.

Supporting Organizations:



Organizers:



## Honorable Speaker

### Sessions 1 & 2



#### **Thomas M. Lawrence, Ph.D.**

Distinguished Lecturer of ASHRAE  
College of Engineering,  
The University of Georgia, United States

Dr. Lawrence is a Senior Public Service Associate with the University of Georgia, and has 30 years of professional experience in engineering and environmentally related fields. Before going back for his Ph.D. in Mechanical Engineering at Purdue, he spent approximately 20 of those years in industry and consulting. He is the chair of ASHRAE Technical Committee 2.8, "Building Environmental Impact and Sustainability", and is a member of the committee which wrote the ASHRAE standard on high-performance green buildings (Standard 189.1). As an ASHRAE Distinguished Lecturer, he gives presentations and workshops on green building design at venues around the world. At the University of Georgia, Dr. Lawrence teaches courses in Building HVAC, Green Building Design, Residential Building Design, and Heat Transfer. Dr. Lawrence has a B.S. with Highest Distinction honors in Environmental Science from Purdue University (1978), a M.S. in Mechanical Engineering from Oregon State University (1982) and a second M.S. degree in Engineering Management from Washington University earned in 1989. He received a Ph.D. in Mechanical Engineering from Purdue University in the spring of 2004 researching the impacts of demand-controlled ventilation on energy consumption and indoor air quality in smaller commercial buildings.

### Session 3



#### **Rumen Yordanov**

Director of Asian European Engineering  
(AEE) Ltd.

Mr. Yordanov (MSc, CEng, CEnv, REA, MCIBSE, MASHRAE, MSEE, LEED AP BD+C, BEAM Pro) is a principal of Asian European Engineering (AEE) Ltd. He is an award-winning building systems and sustainability engineering consultant with experience in high-profile buildings in Asia-Pacific and Europe including commercial, residential and critical systems. Rumen's professional interests include HVAC&R systems design, energy efficiency and building physics modelling among others. Mr. Yordanov has more than 12 years of sustainability and design experience in both Europe and Asia-Pacific. He is the current Technical Committee Chair of Platinum Hong Kong and a LEED International Roundtable Representative. Rumen has been named by ASHRAE one of top 5 new faces of engineering for 2014. He is also a winner of the first prize of the international Passive House Design Competition 2012 and second prize at Sustainable Architecture 2020-8.

## Registration & Enquiry

Open to all interested persons, but priority will be given to members of organizers. Number of participants is limited to 100 persons and prior registration is required. For registration, please complete Registration Form in the following "[On-Line Registration Link](#)". The deadline of application is on 3 June 2017.

Supporting Organizations:



Organizers:



## Payment Method

Before making payments you should complete the online registration form "[On-Line Registration Link](#)" and choose your preferred payment method:

### **1. Pay by Cheque**

Please send the cross cheque (please mark your name and "ASHRAE Seminar" at the back of the cheque) with appropriate payment in Hong Kong dollars payable to "ASHRAE Hong Kong Chapter" shall be sent to **Mr Patrick Huang** (Arup, Level 20, Tower II Grand Century Place, 193 Prince Edward Road West, Mongkok, Kowloon, Hong Kong). The applicant may email to [patrick.huang@arup.com](mailto:patrick.huang@arup.com) to confirm the cheque is delivered.

### **2. Pay by Cash in the Seminar**

On the day of the seminar, approach to the Registration Counter at the entrance of the venue and pay by cash.

## Remark

Successful members will be notified by e-mail on or before 4 June 2017. If the applicants have not received the confirmation e-mail on or before 4 June 2017, their applications will be regarded as not successful. Receipt will be issued to you upon receipt of payment.

If typhoon signal no. 8 or black rainstorm signal is in force and still hoisted after 5:00 pm of 7 June 2017, the talk would be cancelled without further arrangement or notification

For enquiry, please contact Mr. Patrick Huang at 6077-2053 or email to [patrick.huang@arup.com](mailto:patrick.huang@arup.com)

Supporting Organizations:

