

## ASHRAE DL Seminar on

### **“Green Data Center and Intelligent Buildings/Building Automation”**

**Date & Time:** 13 June 2018 (Wednesday) (2:00pm – 5:15pm)

**Venue:** Singapore Polytechnic Graduates' Guild (SPGG), Ballroom, Level 2

#### **► Achieving a Green Data Center: More than a Good Design Is Needed**

The concept of a Green Data Center is difficult to perceive with a building full of computers consuming electricity. So the goal for a green data center is to minimize the energy consumed by the facility that does not go into computing power. To achieve this reduction, the site selection, facility program, design, installation and operations all play an equal role. The presentation will discuss some current trends and design strategies for high performance in various climates. Also it will present some keys to maintaining the edge of a high performance site such as commissioning (Cx) at turnover, seasonal testing, operations plans for changing IT loads, EBCx (existing building commissioning) as operations change, Cx of added equipment during the life of the data center and most importantly - annual monitoring and operational adjustments. These concepts, success stories and some common pitfalls will be presented.

#### **► Intelligent Buildings / Building Automation System Master Planning**

There is a lot of buzz around Intelligent, or Smart, Buildings, but what are these buildings? This presentation will examine the answers to this question and how you can put your building on its path to a “higher education”. Advancements in technology have given the engineer the ability to aggregate and share data across disparate systems thereby creating opportunities to increase energy and operational efficiencies, improve occupant comfort, safety and productivity. The intelligent building platform will result in a more efficient, secure and productive asset that has the capacity to continuously improve over its lifetime.

This presentation will also explore ways a Building Automation System Master Plan can prepare for future technological advancements and enable today's facility managers to harness the power of their building systems, to better utilize energy and to increase energy efficiency, reduce utility costs and improve occupant comfort. Many building owners and operators currently face issues associated with their existing building control systems. These issues lead to underutilization of the control system, robbing the users of the opportunity to maximize their investment in their automation technology. The presentation will discuss how to improve the efficiency of building systems with the ultimate goal of reducing utility and energy costs.

#### **Speaker Profile**



**Jim Vallort**  
**ASHRAE Distinguished Lecturer (DL)**

**Senior Vice President**  
**Environmental Systems Design Inc.**  
**Chicago, Illinois**  
**The United States**

Jim Vallort has spent his career focusing on energy: ranging from measuring energy usage, optimizing the systems, integrating automation to control energy and the impact of commissioning on energy consumption. He is a Senior Vice president with ESD headquartered in Chicago, IL, a consulting engineering firm. He also serves as an ASHRAE Society Vice President for the 2015-2016 Board of Directors. He currently serves as a member of Standard Project Committee 211P, Standard for Commercial Building Energy Audits, and Technical Committee (TC) 7.9, Building Commissioning. Jim previously served on the Board as a director-at-large in 2005-08 and as Region VI director and Regional Chair in 2001-04. He was also president of the Illinois Chapter in 1999-2000.

Jim has over 20 publications and numerous presentations under his belt on topics ranging from Energy Efficiency, Automation and Commissioning to Underfloor Air Distribution. He has been an invited speaker at multiple fortune 500 companies educating their staff on building automation, energy efficiency, existing building commissioning and new construction commissioning. Vallort is the recipient of the ASHRAE Exceptional Service Award, ASHRAE Distinguished Service Award, and an Excellence in Engineering Award from the ASHRAE Illinois Chapter in 1998.

**Registration Form:**  
**– ASHRAE DL Seminar on**  
**“Green Data Center and Intelligent Buildings/Building Automation”**

**Date:** 13 June 2018 (Wednesday)  
**Time:** 2.00pm – 5.15pm  
*(Registration starts 1.30pm)*  
**Speaker:** Jim Vallort  
 ASHRAE Distinguished Lecturer

**Fee for early registration by 28 May 2018:**  
 S\$5 for ASHRAE Singapore Chapter (ASC) members  
 Free for ASC Student Member (limited to 10)  
 S\$30 for ASHRAE/IFMA/IES members  
 S\$60 for non-members

**Fee for registration after 28 May 2018**  
 S\$5 for ASC members  
 Free for ASC Student Member (limited to 10)  
 S\$40 for ASHRAE/IFMA/IES members  
 S\$70 for non-members  
*(1 Tea Break will be provided)*

**Venue:**  
 Singapore Polytechnic Graduates' Guild  
 Ballroom, Level 2, 1010 Dover Road  
 Singapore 139658 (Singapore Poly Gate No. 4)

Register by email to [elta.ascsecretariat@gmail.com](mailto:elta.ascsecretariat@gmail.com) before **7 June 2018**, with the required Registration Details below.

Please make the payment by issuing a cheque to **ASHRAE Singapore Chapter, c/o 159 Sin Ming Road, AMTECH Building, Lobby 2 #07-02, Singapore 575625.**

**Professional Engineers Board (PDU) Points: Pending**  
**SCEM-PDU Points: Pending**

**For enquires on program and registration matters please contact:**  
 Dr. Yuichi Takemasa [Email: [y.takemasa@kajima.com.sg](mailto:y.takemasa@kajima.com.sg)], ASHRAE Singapore Chapter CTTC Chair

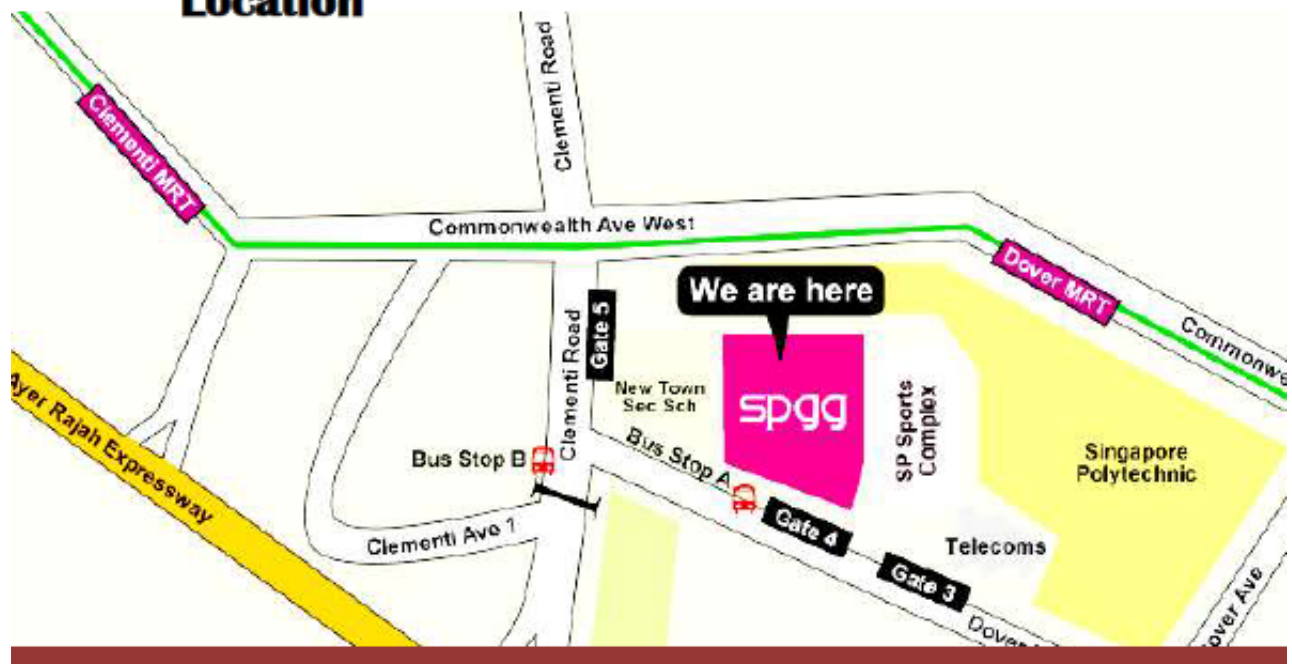
**Registration Details**

|                         | Name of Participant  | ASHRAE Membership No.: | ASC Reg No.:                      | PE Reg No.:                      |
|-------------------------|----------------------|------------------------|-----------------------------------|----------------------------------|
|                         | <input type="text"/> | <input type="text"/>   | <input type="text"/>              | <input type="text"/>             |
| Organization:           | <input type="text"/> |                        | Designation: <input type="text"/> |                                  |
| Mailing Address:        | <input type="text"/> |                        |                                   |                                  |
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| Telephone / Mobile No.: | <input type="text"/> |                        | Fax no.: <input type="text"/>     |                                  |
| Email:                  | <input type="text"/> |                        |                                   |                                  |

Signature

Date

## Location



- Located at 1010 Dover Road (SP Gate 4)
- 10 mins walk from Dover MRT
- Bus Services to SPGG:
  - Bus Stop A: SBS 33 & SBS 196
  - Bus Stop B: SBS 96, 151, 183