



ASHRAE 美國供暖製冷及空調工程師學會
**AMERICAN SOCIETY OF HEATING, REFRIGERATING AND
 AIR-CONDITIONING ENGINEERS, INC. - Hong Kong Chapter**
 P.O. Box 35612, King's Road Post Office, North Point, Hong Kong

<http://www.ashrae.org.hk>



**ASHRAE Workshop:
 Reducing Energy Use in Data Centers**



Date:
 Time / Duration:
 Venue:
 ASHRAE Instructors:

11th April 2011
 6:15pm for 6:30pm - 9:30pm
 Room BC303, The Hong Kong Polytechnic University, Hung Hom, Kowloon, Hong Kong.



Dr. Roger Schmidt, Ph.D., P.E.
 Distinguished Engineer,
 IBM



Mr. Don Beaty, P.E.
 President of DLB Associates,
 US

Dr. Schmidt has over 30 years experience in engineering and engineering management in the thermal design. He has led development teams in cooling mainframes, client/servers, parallel processors and test equipment utilizing such cooling mediums as air, water, and refrigerants.

Mr. Beaty has served on ANSI / ASHRAE Standards Committee 90.1 (energy) including as vice chair, Standards Committee 127 (Method for Testing for Rating Computer and Data Processing Room Unitary Air-Conditioners) as secretary, and ASHRAE TC 7.6 (Systems Energy Utilization).

Workshop Highlight:

Data centers use an increasing amount of the energy to power IT equipment as well as the energy required for the supporting infrastructure. With the large energy consumption in data centers, many opportunities exist to save energy. This workshop examines the current best practices for achieving data center energy efficiency by focusing on the thermal guidelines (temperature, humidity, and contaminate limits) for data processing and using technologies such as water side economizers, and other free cooling options. Participants will gain an understanding of IT equipment environment specifications while learning methods for measuring data center performance and developing means to evaluate effectiveness of data center cooling.

Key Topics: IT Efficiency Opportunities & Interaction with Building Systems, Cooling Services/System, Cooling Equipment, Electrical Services/Systems, Master Planning.

Fee:

ASHRAE Members : HK\$ 200
 HKIE / CIBSE Members : HK\$ 300
 Other Non-Members: HK\$ 400
 (First five PolyU Students or Staff can enjoy free admission.)

Please send your application and cheque to "Dr. S L Wong – Department of Building and Construction, City University of Hong Kong, Tat Chee Avenue, Kowloon, Hong Kong" for formal registration. Cheque shall be payable to "ASHRAE Hong Kong Chapter".

Application:

Open to ASHRAE members, HVAC Engineers or other professions interested in this topic etc. Please complete and return the below application form by e-mail before 5 April 2011. Seats are limited. Quota will be allocated on first-come-first-served basis. Un-successful applicants will be informed individually by e-mail. Successful applicants will be informed by e-mail on or before 7 April 2011 may assume their application successful.

Application Form – ASHRAE Workshop: Reducing Energy Use in Data Centers (*Cross if not appropriate)

Name (Dr/Mr/Ms) : _____

Membership Class : _____ No.: _____ (*ASHRAE/HKIE/CIBSE/Others)

Fees : *HK\$ 200 / HK\$ 300 / HK\$ 400 (receipt required : Yes / No)

Company Name : _____

Contact No. : _____

E-mail Address : **(Must be provided)** _____

For any inquiries, please contact: Dr. S L Wong at 2784 4312

Please e-mail this form to: chapterprogram@gmail.com