



## ASHRAE Hong Kong Chapter

P.O. Box 35612, King's Road Post Office, North Point, Hong Kong  
Email: [info@ashrae.org.hk](mailto:info@ashrae.org.hk) Web: <http://ashrae.org.hk> Fax: (852) 30198334

美國供暖製冷及空調工程師學會 香港分會

地址：香港英皇道郵政局 郵政信箱 35612 號

電郵：info@ashrae.org.hk 網站：http://ashrae.org.hk 傳真：(852) 30198334

### Technical Seminar

## Designing Central Chilled Water Systems

By Mr. Kent W. Peterson, P.E.

2006-07 ASHRAE President-Elect and ASHRAE Distinguished Lecturer

**Date & Time:**

13 November 2006 (Mon), 7:00 pm to 8:20 pm

**Venue:**

Lecture Theatre TU201, PolyU, Hung Hom, Kowloon

**Speaker:**

Mr. Kent W. Peterson has worked as a consulting engineer for over twenty years and has a reputation for providing creative design solutions. He is Vice President, Principal and Chief Mechanical Engineer of P2S Engineering in Long Beach, California. His design experience includes a wide range of projects including industrial, educational and high-tech manufacturing facilities.

Mr. Peterson is a ASHRAE Distinguished Lecturer and is currently serving as the ASHRAE President-Elect. He has chaired numerous ASHRAE committees and is a past member of ASHRAE TC 1.2, Instruments and Measurements, TC 1.4, Control Theory and Application and GPC 13, Guideline for Specifying Direct Digital Control Systems. He was president of the Orange Empire Chapter. He has authored a number of papers and articles. He was awarded a bachelor of science in mechanical engineering from California State University at Long Beach. Mr. Peterson resides in Cypress, California, with his wife, Carolyn, and three sons.

**Synopsis:**

Engineers have many decisions to make when designing central chilled water systems today. Many of these decisions require extensive consideration of elements beyond the perimeter of the plant. Some of these questions include:

- What diversity factors can be used in sizing chilled water systems?
- How can the design delta T be achieved?
- What effect does delta T have on chiller performance?
- What plant configuration best fits the requirements?
- What control strategies should be used?
- How do you select the proper chillers, cooling towers and pumps?
- When is thermal storage viable?

**Venue Support:**

Department of Building Services Engineering, The Hong Kong Polytechnic University

**Reservation:**

This seminar is open free of charge to ASHRAE members (priority given) and other interested persons. Seats are allocated on a first-come-first-serve basis. To reserve a seat, please send your information to us through email ([apply@ashrae.org.hk](mailto:apply@ashrae.org.hk)).

- Name of applicant(s)
- Company name
- Contact info. (email, telephone, fax)
- ASHRAE Membership class and number (if any)

**Enquiry:**

Please contact us at email "info@ashrae.org.hk".

**Attendance:**

Attendance certificate will be provided to participants.