



ASHRAE President-Elect

ASHRAE President-Elect Meeting Our Young Members



Following the ASHRAE President's visit in September 2006, the ASHRAE President-Elect Mr. Kent W. Peterson also visited Hong Kong in November 2006. The YMC was much honored to have chance to meet with Mr. Peterson on 13 November 2006.

Around 20 participants, including all 5 student branches and YMC committee members, had prepared a presentation regarding the student branches and YMC operation as well as sharing with Mr. Peterson some of the site visits and other activities held including CRC Malaysia. Mr. Peterson was amazed to see the variety of activities held by our group of young people, which did not only enhance our engineering knowledge but let us have more chance gathering around to share and develop friendship.



Group photo at the meeting

Mr. Peterson was very concerned about our feedbacks towards the CRC Malaysia held in August, a few of the participants, who participated in CRC Malaysia during summer, gave positive feedback regarding the event. They all found participating in CRC and the study tour a fruitful

experience and look forward to going to the CRC Taiwan in 2007.

Besides exchanging ideas towards official activities, the YMC had prepared some tradition Chinese cakes, snacks and confessionary for Mr. Peterson. He was fascinated by the fusion of Chinese tradition and western culture in Hong Kong.

Finally, Mr. Peterson encouraged our students and young engineers to be more innovative and think more out of the box as we are expected to have revolutionary changes in designs for a sustainable future.

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Mr. Peterson is sharing ideas with students



YMC committee members made a presentation at the meeting

Interview with ASHRAE President-Elect Mr. Kent Peterson

I: Interviewer

P: Mr. Kent Peterson

I: This is your first time to come HK. What is your impression to Hong Kong?

P: It is my first time to visit HK and it is a beautiful and prosperous city. The refrigeration system inside the buildings of Hong Kong is quite large and it is difficult to maintain it efficiently, particularly there are different types of systems within a building. Use of water cooled system will be more efficiently.

I: What can you achieve as a member of ASHRAE?

P: I think to be ASHRAE member, you can access quite a lot engineering knowledge from ASHRAE for the industry you are working. We can share both knowledge and experiences with the experts in other regions. ASHRAE consists of members from various countries and their experiences are valuable to ASHRAE members.

I: What is your appraisal on the Standard of Engineer?

P: Education is a fundamental and can train your logical and analytical thinking. However, being a qualified engineer, we have to continuously update our knowledge as technology constantly changes and engineer should also have ability to solve problems.

I: What are your secrets of the Success?

P: I think communication with others is very important, especially delivery of the technical knowledge to people who are non-engineers. I think using non-terminology terms to explain the engineering knowledge and let general people understand what I am talking about is impressive.



Mr. Peterson and our Publications & Newsletter Committee Ms. Pauline Leung

I: What suggestion you can give us to improve the indoor air quality in terms of poor outdoor air condition.

P: Because introducing of fresh air to indoor air is essential in accordance with ASHRAE Standard 62, however suitable filtration system can be added to pre-treat the outdoor air if the outdoor air is consisted of contaminates. Measurement and identifying the component of the outdoor contaminates can be performed, and then appropriate filtration system can be designed to improve the outdoor air. Besides, according to my experience, the poor indoor air quality can really affect the performance of the employee.

I: Design in sustainability is a trend for nowadays due to energy crisis, global warming, ozone depletion. However, there may be some conflict between the sustainable design and getting the thermal comfort, indoor air quality. How can you resolve this conflict when you encounter this problem?

P: I don't think there is a conflict between achieving thermal comfort, indoor air quality and sustainability. However, according to ASHRAE mission, the concept of sustainability is to maximize the effectiveness of resource use while minimizing the impact of that use on the environment. Therefore, by advancing the technology, we can achieve the comfort environment and sustainability at the same time.



Dinner with Mr. Peterson and ASHRAE Distin. Lecturer Dr. Chandra Sekhar



Mr. Kent Peterson and Our Chapter President Dr. Sam Hui

Congratulations ... Message

Mr. Vincent Tse, our current Chapter's Governor, has been appointed as Vice President of ASHRAE Headquarters for 2007-2009. It will be the first Asian to be elected and appointed as such an honorable post. We would like to congratulate him for the excellent service. We are all proud of his achievement in ASHRAE.

China Joint Symposium

Zhejiang-Hong Kong Joint Symposium 2007

The China Joint Symposium is an annual event jointly organized by ASHRAE (HK Chapter), CIBSE (HK Branch), HKIE (BS Division) and our mainland partners since 1998; and HKPolyU (Dept. of BSE) is the co-organising university. This Joint Symposium has become one of the major joint events in the building services industry, the purpose of which is to provide a forum for experience sharing amongst engineering professionals in mainland China and Hong Kong SAR. This Joint Symposium will be held on 5 July - 8 July 2007 in Hangzhou, China and the theme this year is "*Innovative Building Design and Technology – Challenges of Climate Change*".

Online Membership Renewal

The ASHRAE Headquarters has implemented a new online system for the members. You can now update your personal information and do membership renewal easily on the ASHRAE website (www.ashrae.org). You can also enjoy US\$10 discount in each year if you choose the 3-year option for the renewal, or US\$5 discount if you choose the 2-year option. Below are some important guides to ensure you can input the data correctly. Please pay attention to them when you use the online system to do the membership renewal.

1. Remember to input your last name (surname) and first name correctly. Many HK people make mistakes with the sequence and interchange each other.

The screenshot shows the 'Individual Information' section of the ASHRAE Membership Renewal form. It includes a dropdown for 'prefix' set to 'Mr', a text field for 'first name' containing 'Tai Man', an empty text field for 'middle name', and a text field for 'last name' containing 'Chan'.

2. Choose the appropriate packages for Society Dues and Chapter Dues. For example, “Member Package with three years (08,09,10)” and “Hong Kong Package 3 yr Paid” should be selected.

The screenshot shows the 'Membership Packages' section of the ASHRAE Membership Renewal form. It contains explanatory text about membership terms and handbooks. Two dropdown menus are visible: 'Renewal Package' for Society Membership, set to 'Member Package SI (08,09,10)', and 'Renewal Package' for Chapter Membership, set to 'Hong Kong Package 3 yr Paid'. Red text annotations provide cost breakdowns: 'Society Dues: Single year = US\$150, 3 years = US\$140 x 3 = US\$420' and 'HK Chapter Dues: 3 years = US\$15 x 3 = US\$45'. A red arrow points to the 'Hong Kong Package 3 yr Paid' selection.

3. Check the shopping cart items and total balance. The Member Package will include free Handbooks and ASHRAE Journal.

Student Branch Activities of City University of Hong Kong



21st October, 2006.
Annual General Meeting of City University of Hong Kong Student Branch 2006-2007.



25th October, 2006.
The Social Gathering Activity with Student Branches (e.g. IVE, HKU and CityU).



17th November, 2006.
Technical visit to EMSD Headquarters.



18th November, 2006.
The technical visit to Two IFC with PolyU SB.



18th November, 2006. The technical visit to Two IFC with PolyU SB.

Research Promotion (RP) Committee was glad to receive the recognition – Gold Buster Award (USD 7,259) and High Five Award – for the amount of donation collected in 2005-06. The Awards were presented during the Chapter Region Conference held in Malaysia on August 24-27, 2006. RP Committee would like to express our gratitude to all of your support such that our achievement last year could reach a historical high figure for the chapter. We are looking forward to getting your continuous support to bring our chapter achievement ever success again in this year.



Acknowledgement List

Donation to ASHRAE Research Promotion 2005-06

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Learning at ASHRAE Technical Workshops

To promote continuing education and lifelong learning, our Chapter is pleased to organize technical workshops relating to the sciences of HVAC engineering and related fields. In this fiscal year, we have planned the following workshops.



- 26, 28 Jun and 5, 7 Jul 2006: Technical Workshop on Humidity Control and Mold Growth in Buildings
- 17, 18, 24, 25 Jan 2007: Technical Workshop on Fundamentals of Water System Design
- End of Apr 2007: Technical Workshop on Fundamentals of HVAC Control Systems
- Jun 2007: Technical Workshop on Sustainable and Green Building Design

Our workshops will often make use of the ASHRAE publications and study guides as a basis of the learning and we will also invite local experienced professionals to act as instructors. If you are interested in these workshops, please watch out for the announcements on our website (www.ashrae.org.hk) and apply early to ensure a seat.

Technical Seminars

Exchange Ideas through Technical Seminars

Our Chapter has initiated and organized the following technical seminars in the past few months. Sincere thanks are expressed to the guest speakers and the voluntary committees and helpers for their valuable contribution.



- 1-Sep-2006: Technical Seminar and Presidential Address: The ASHRAE Promise: A Sustainable Future
- 9-Oct-2006: Technical Seminar on Dampness and Mold in Buildings, A Cause of Illness? (Jointly organized by ASHRAE-HKC, CIBSE-HKB and HKIE-BSD)
- 13-Nov-2006: Technical Seminar: Designing Central Chilled Water Systems
- 30-Nov-2006: Technical Seminar: How Filtration System Design Affect IAQ and Energy Saving
- 11-Jan-2007: Technical Seminar: Ventilation and Pressurization Control
- 2-Feb-2007: Technical Seminar: Indoor Temperature at 25.5 °C? (Jointly organized by ASHRAE-HKC, BSOMES, CIBSE-HKB, HKIE-BSD and HKIE-EnvD) (Remark: lecture notes can be downloaded at <http://www.ashrae.org.hk/25.5/index.htm>)

We will organize some more technical seminars in the coming future. Our members and other interested persons are welcomed to attend. We hope this would establish a culture for professional development and exchange.

- 9-Feb-2007: Technical Seminar: Energy Saving Strategy and Life Cycle Cost Analysis of AHUs
- 15-Feb-2007: ASHRAE Night and Technical Seminar: Case Study of HVAC Projects
- 14-Mar-2007: Technical Seminar: The Advantages of Row and Rack-Oriented Cooling Architectures for Data Centers (Jointly organized by ASHRAE-HKC, CIBSE-HKB and HKIE-BSD)
- May-2007: ASHRAE Distinguished Lecturer Talk: HVAC for Hot & Humid Climate (to be confirmed)
- May-2007: ASHRAE Distinguished Lecturer Talk: Dedicated Outdoor Air Systems (to be confirmed)

Satellite Broadcast on Indoor Environmental Design



On April 18, 2007 (1:00-4:00 p.m. EDT, USA), ASHRAE’s Chapter Technology Transfer Committee (CTTC) will present a satellite broadcast and simultaneous webcast on the topic “Indoor Environmental Design: Practical Solutions to Everyday Problems”.

Online registration for site coordinators and webcast viewers begins March 1 at www.ashrae.org/iedbroadcast. Registration for satellite viewers begins March 15. Information about the speakers and program is available at www.ashrae.org/iedbroadcast

Three PDH credits will be granted to those who view the broadcast and then complete the Participant Reaction Form on our webpage following the program. A US\$50 discount off a one-year membership will be extended to anyone who joins ASHRAE as a new member in conjunction with the broadcast.

See website for details www.ashrae.org/iedbroadcast .

Coming Events

<p>9 Feb 2007 (Fri) Technical Seminar: Energy Saving Strategy and Life Cycle Cost Analysis of AHUs</p> <p>15 Feb 2007 (Thu) ASHRAE Night 2007 and Seminar: Case Study of HVAC Projects</p> <p>14 Mar 2007 (Wed) Technical Seminar: Cooling Architectures for Data Centers</p> <p>4-6 Apr 2007 (Wed-Fri) China Refrigeration 2007 Exhibition, Guangzhou, China (www.cr-expo.com)</p> <p>18 Apr 2007 (Wed), 1:00-4:00 p.m. EDT (USA) Satellite Broadcast on Indoor Environmental Design</p> <p>End of Apr 2007 Technical Workshop on Fundamentals of HVAC Control Systems</p> <p>May 2007 ASHRAE DL visit/seminar (Mr. T L Chen, Malaysia) [HVAC for Hot & Humid Climate]</p> <p>May 2007 ASHRAE DL visit/seminar (Prof. S. A. Mumma, Penn State Univ) [Dedicated Outdoor Air Systems]</p> <p>17-May-2007 (Thu) Annual General Meeting</p>	<p>31-May-2007 (Thu) Annual Dinner</p> <p>May/June 2007 (Sat-Sun) ASHRAE Region XIII Regional Planning Meeting, Philippines (to be confirmed)</p> <p>June 2007 Technical Workshop on Sustainable and Green Building Design</p> <p>23-27 June 2007 (Sat-Wed) ASHRAE Annual Meeting, Long Beach, CA</p> <p>6-7 July 2007 (Fri-Sat) Zhejiang-HK Joint Symposium, Hangzhou</p> <p>17-18 Aug 2007 (Fri-Sat) Chapters Regional Conference 2007, Howard Plaza Hotel, Taipei, Taiwan [16-22 Aug 2007 (Thu-Wed) Taiwan Study Tour (to be confirmed)]</p> <p>Mid-Nov 2007 (Tue) Joint Symposium 2007, Hong Kong</p> <p>22-23 Nov 2007 (Thu-Fri) Asia Pacific Conference on Built Environment, The Grand Hotel, Bangkok, Thailand</p> <p><i>(Visit our website for more information: www.ashrae.org.hk)</i></p>
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