



THE NEWSLETTER OF HONG KONG CHAPTER OF  
THE AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS, INC.

美國供暖製冷及空調工程師學會 香港分會

[www.ashrae.org.hk](http://www.ashrae.org.hk)

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## Thailand CRC 2009



- Group photo of ASHRAE Region XIII -

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All of us very enjoyed that conference. Sincere thanks are expressed to the host, ASHRAE Thailand Chapter, for the great hospitality and kind supports. In 2010, we will meet each others and have the CRC 2010 in Singapore.



# Thailand CRC 2009 (cont')



Traditional Thailand Dance



Award presentation



Recorder music performance by Hong Kong Chapter student members



From left: Opening ceremony of the dinner, Group photo of Hong Kong Chapters, Group photo with other chapters in CRC.



## 10th Asia Pacific Conference on the Built Environment



The 10<sup>th</sup> Asia Pacific Conference on the Built Environment, organized by Taiwan Chapter, was successfully held on 5 - 6 November 2009 in Kaohsiung, Taiwan. The theme of this conference was “Green Energy for Environment”. The conference apart from speech, comment on papers published, the organizers had a special arrangement of Technical Tour to give participants a better understanding about the effort of Taiwan put in to promote environmental protection, energy conservation and reduce carbon dioxide emission and all related advance technology. There were more than 100 experts from Taiwan and other overseas country, which including 9 ASHRAE Hong Kong Chapter members, to attend this conference.

In the conference, Hong Kong Chapter presented three technical papers in the conference, including keynote speech “The application of Green Technology in Modern Building Design” by Mr. Vincent Tse, “Development of Energy Labels for Residential Building in Hong Kong” presented by Dr. Sam Hui and “Supervisory and optimal Control of the Central Chilling System in International Commerce Centre” presented by Prof S.W. Wang.

In the technical tour, we visited three location including LOHAS Energy Conservation House, Kaohsiung Arena and Main Stadium for 2009 World Games. LOHAS Energy Conservation House was awarded with the green building. And the design of ventilation in Kaohsiung allow the entrance of fresh air, let the stadium has natural wind cooling. While the Main Stadium for 2009 World Games is notable for its eco-friendliness: the solar panels on the stadium roof generate 1.14 million kWh of electricity per year, thus reducing 660 tons of annual carbon dioxide output.



Group photo of Regional XIII, regional officers/representatives



Technical Tour location (from left): Kaohsiung Arena, LOHAS Energy Conservation House, and Main Stadium for 2009 World Games.



## Joint Student Branch AGM

The ASHRAE HK chapter joint student branch AGM was successfully held on 24<sup>th</sup> October 2009 in the Hong Kong Polytechnic University. This was the second time for five student branches joining together for the AGM, who came from the Hong Kong Polytechnic University (PolyU), the City University of Hong Kong (CityU), the University of Hong Kong (HKU), the Hong Kong Institute of Vocational Education (IVE) and the Hong Kong University of Science and Technology (UST) respectively.



*Student performance and group photo of five student branches*

The AGM included presentations of chapter regional conference (CRC) for the Thailand study tour, and promotion of joining ASHRAE from the representatives of young member committee and membership promotion. Besides, Immediate Past President and Financial Secretary from each student branches reported the organized functions and financial budget of last year. After the introduction of new student branch committee and election, five new ASHRAE student branches of CityU, HKU, IVE, PolyU & UST were formed. Moreover, refreshment and performance were prepared by student branches. Then, the joint AGM was ended by group photos taking.



*HKU Student Branch*



*IVE Student Branch*



*PolyU Student Branch*



*CityU Student Branch*



*HKUST Student Branch*



## Student Activities (cont')

### Site Visit in Shatin Racecourse on 25 Oct 2009



Shatin Racecourse is one of the two racecourses for racing in Hong Kong and is managed by Hong Kong Jockey Club. In this technical visit, the Operation Manager & Technical Services Manager from Property Department introduced the HVAC, electrical and fire services system in racecourse and the operation characteristic

In the racecourse, there are different modern facilities including private boxes, stands, betting counters, media hall, parade ring, etc. At the same time, there are a lot of restaurants and twenty-nine kitchens which will operate during racing day and serve max. 50,000 – 60,000 visitors and staffs. Therefore, multi-functional building management system and huge capacities of plants are required to deliver those services.

To familiarize with the Green Environment, now the Water Cooled Chiller improvement and replacement projects are working in progress in two racecourses to improve the system efficiency and energy saving. Moreover, all students were interested to the special facilities that were designed and set-up for the horses such as stables for living and training purpose, those designs are different from serving human being.

During this site visit, it is the pleasure for all participants from ASHRAE student branches to feel the real time of building services operation and facilities management in race day. In addition, the presentation from Hong Kong Jockey Club was informative, while the site visit was well organized and was a fruitful experience to the students.



*Photo with HKJC Property Operations and maintenance Manager Mr. Graham Tier and ASHRAE HK Chapter President Calvin Tang*



*Group Photo for ASHRAE Student Branches in front of the racing trace!!*



## Student Activities (cont')

### Thailand Study Tour 2009



Twelve students went for a 7 day Thailand Study Tour on HVAC&R Technology, which was jointly organized by the University of Hong Kong, the City University of Hong Kong, the Hong Kong Polytechnic University, the Hong Kong University of Science and Technology and Hong Kong Institute of Vocational Education, from 20 - 26 August 2009 in this summer.

By joining this study tour, it was to enhance students' interests in HVAC&R technologies by talks, seminars and visits. This seven days study tour was a valuable experience for us to broaden our view by culture exchanging and engineering industry. In these seven days, we joined various activities such

as ASHARE Regional XIII Chapters Regional Conference (CRC), factory visits. CRC allowed us to know more engineering field and how to become a professional engineer. The seminar was also focus on energy saving and green building. The factory visits can let us know more about manufacturing process. We are difficult to visit this type of factory in Hong Kong, so this was a great chance for us learning in other countries.

In spite of acquiring engineering knowledge, the visits of the University and the Banquet Dinner also provided us an occasional opportunity to have academic and cultural exchange with students from other countries. These were additional earnings for us to establish friendship with each other in this trip.

This study tour provided a memorable experience to students as cultural exchange and engineering knowledge. We would like to thank for ASHRAE Hong Kong Chapters to support this enjoyable trip. I hope that more students will have chances to participate and benefit from the activities jointly organized by ASHRAE and Hong Kong universities in the future.



## Coming Distinguished Lectures

**Topic of Lecture: Advanced Energy Design Guides**  
ASHRAE, IESNA, USGBC, AIA, and DOE have collaborated on a series of Advanced Energy Design Guides (AEDGs) for at least 30% energy savings beyond Standard 90.1-1999. The guides provide prescriptive packages for each climate zone to reach the 30% energy savings. This presentation provides an overview of the AEDG process as well as examples of packages and case studies from each guide.

**Speaker:**

Drury CRAWLEY, the leader of U.S. Department of Energy's Building Technologies Program

**Date and Time of Lecture**

22 Feb, 2010 (Monday) 6:30 p.m. to 8:30 p.m. during ASHRAE Night

**Topic of Lecture: Automatic Controls, Basics to Commissioning and Using Your Control System to Aid in Commissioning Central Plants and Complex HVAC Systems**

Automatic Controls can reduce the energy consumption of old or new double duct systems, without the expense of converting them to VAV and at a much lower cost. In this lecture Mr. Verle will present how a constant volume-variable pressure system looks like and being controlled, how to control chiller plant to maximize equipment and system efficiencies

**Speaker:**

Verle Williams, a registered Professional Engineer the president of Utility Services Unlimited.

**Date and Time of Lecture**

26 April, 2010 (Monday) 6:30 p.m. to 8:30 p.m.

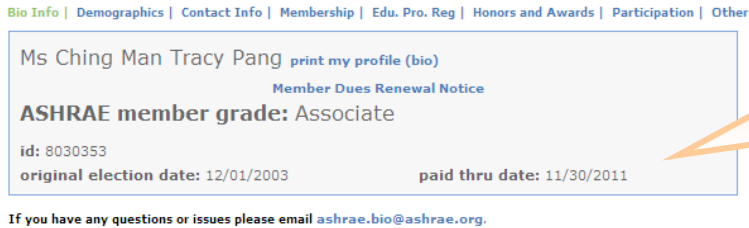


## How to Renew and Update Your Membership Record

Thank you for your support to ASHRAE throughout the years. In the following part, it will show the instructions to renew and update your membership online. And you will need your registered email and password.

### For checking your membership status

Visit [www.ashrae.org](http://www.ashrae.org) and login by your register email and password. Then, click "Update your Bio" in the left-hand column.



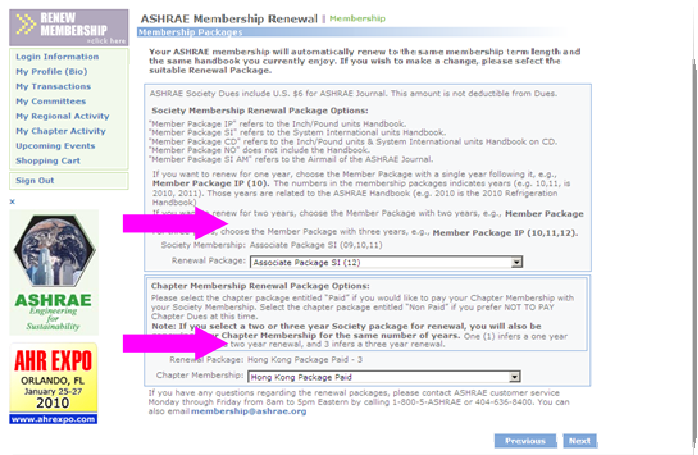
In the middle part of the page, the due date of your membership can be found

### For renewing and updating your membership

1. Visit [www.ashrae.org](http://www.ashrae.org) and login by your register email and password. Then, click "Renew membership" in the left-hand column. And, input your personal information and click "next"
2. Input demographic data and Click "next"



3. Select the membership grade (student, associate or member) and pay for chapter dues
4. Confirm the renew information and check your bill
5. Please check the address and name for the bill and shipping information.
6. Finally, please Input the credit card number and other information



(If you need any further support for membership, please send your e-mail to [tracy.pang@arup.com](mailto:tracy.pang@arup.com))



## Research Promotion

To All ASHARE Members:

It is my honor to be Research & Promotion Chair. This year, we need to raise USD 7,500 for our Headquarter to support ASHRAE Research activities. My Co-Chair, Mr. Brian Tam and Mr. C S Wong has been working hard with me to plan for the following fund raising activities, here below are some highlights for your reference:( Thomas Chan, Research & Promotion Chair 09/10)



1. **Promote our “COOL HONG KONG”.** In this book, we have selected 25 buildings that represent the air conditioning development in Hong Kong. We are contacting those air conditioning suppliers or contractors who had been contributed to build those buildings. We ask their support of donation so that ASHRAE can continue its research in the HVAC&R industry. In return, we will send them the book as a souvenir and present to them during the Book Launch ceremony.
2. **A “LEED” workshop.** Nowadays, LEED is the most popular icon for Green building. More and more foreign company is requesting LEED as criteria to select building where they are going to rent as their office space. The workshop will be held in March next year. The income excluding all costs will be donated to the ASHARE for research purpose.

Up to now, we have raised USD1,100, and here we would like to thank the following for their generous support and contribution:

Mr. CHAN Hei Kin, Thomas	Mr. SO, Albert
Dr. (Mr.) HUI C.M., Sam	Mr. TANG C H, Calvin
Mr. LI Siu Lam	Mr. TSE, Vincent
Mr. LIN Wan Fuk	Mr. TSUI Ka Chaung, Edward
Mr. LO Chan Kit, Albert	Mr. WONG, Stephen
Ms. MO Cheung Ying, Eagle	

Moreover, we also need your individual support as well. Please fill in the following form and email to me:

PLEASE COMPLETE THE INFORMATION AND EMAIL TO: [Thomas.chan2@honeywell.com](mailto:Thomas.chan2@honeywell.com)

**Please check one:** ( ) Personal Contribution ( ) Company Contribution

**Donation Amount (USD):** \$ \_\_\_\_\_

**Charge the gift to:** ( ) Visa ( ) MasterCard ( ) American Express

**Credit Card No.:** \_\_\_\_\_ **Expiry Date:** \_\_\_\_\_

**Full Name** : \_\_\_\_\_

**Mobile Phone** : \_\_\_\_\_

**Email Address** : \_\_\_\_\_

**Signature** : \_\_\_\_\_