

Annual General Meeting

The 21st Annual General Meeting (AGM) of ASHRAE Hong Kong Chapter was successfully held on 12 May 05 at Lecture Theater N001, The Hong Kong Polytechnic University. It started with the president's report given by Mr. Tim Cheng, President of 2004-05. He expressed his sincere thanks to the Governors, Committee Chairs and Members who have contributed their effort to ASHRAE and the Hong Kong Chapter during this period. He reported that in this fiscal year, the chapter programs were run smoothly, including the ASHRAE Night, Board of Governors Meetings, various Committee Meetings and a number of seminars, talks, visits and symposiums.



Group photo taken of Mr. Vincent Tse, Mr. Raymond Yau, Mr. Edward Tsui and Mr. Victor Yiu (from left to right).

Following the president's report, Mr. Rocks Li, the Treasurer of 2004-05 reviewed the chapter financial status in the year 2004-05. After the treasurer's report, new officers and members of the Board of Governors were elected for the year 2005-06.



Group photo taken of Mr. Tim Cheng, Dr. Sam Hui, Ms. Eagle Mo, Mr. T K Chan, Mr. S L Li and Mr. Vincent Tse. (from left to right)

Contents

<i>Report on AGM</i>	1
<i>Awards on 2004-2005</i>	2
<i>Chapter Program –</i>	2
Retreat 2005	
Joint Symposium	
Student Branch Activities	
<i>Report on CRC 2005</i>	4
<i>Technical Visit & Seminar –</i>	5
Development and Application of Cooling Tower	
<i>Introduction of the 1st Technical Associate Dr. Wang</i>	6
<i>Coming Events & Reminders</i>	7
<i>Welcome to New Members</i>	8

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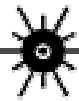
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Awards in 2005-2006

Congratulations to Mr Tim Cheng for the Presidential Award of Excellence (PAOE) in 04-05!

The ASHRAE Hong Kong Chapter has obtained a high score and several regional awards over the last year. Thank for the efforts from the Regional & Chapter committee members and supports from all members in the Hong Kong Chapter. Here is the list of awards:

- ★ Presidential Award of Excellent 2004-2005 - Mr. Tim Cheng
- ★ Honor Roll 2004-2005
- ★ Special Citation
- ★ Chapter Operation highest points
- ★ Membership Promotion highest points
- ★ Chapter Technology Transfer highest points
- ★ Research Promotion highest point
- ★ Research Promotion high five
- ★ Student Activities highest points
- ★ History highest points
- ★ Full RP Circle 2004-2005



Chapter Program

2005-2006 1st Board of Governor (BoG) Meeting

The 1st BoG meeting was held on 15 July 2005. Welcome to visit the following website if you would like to know more:

<http://ashrae-region13.org/newslet.htm>



Retreat 2005



This fiscal year started with a friendly and team building function “Retreat 2005” which was held on 25 July 2005 (Saturday) at Swire Institute of Marine Science (SWIMS), The University of Hong Kong, Cape d’Aguilar, Shek O, Hong Kong. The function was well attended by 25 participants including officers, governors, committee chairs and members as well as family members of some officers. The weather was extra-ordinary good although there was still thunderstorm in the morning.



Joint Symposium

The HuBei – Hong Kong Joint Symposium was held on 1 – 2 July 2005 at Wuhan, China. Totally there were about 60 participants (including speakers) from Hong Kong and 20 participants were coming from ASHRAE Hong Kong Chapter. ASHARE Hong Kong Chapter was responsible to deliver the closing speech.



Student Branch Activities



Group photo taken of HKUST Student Branch

In this year, an exciting and memorable moment is going to be happened. After half year preparation, The ASHRAE HKUST Student Branch is going to be founded. We need to say “Thank you” to all people who have helped us to make the dream come true, especially our advisor – Professor Christopher Y. H. CHAO. Prof. CHAO is a professional in indoor air quality, and he has just got the Ralph G. Nevins Physiology and Human Environment Award by ASHRAE this year. He helped us to tackle all the problems during the foundation of the Student Branch. With his professional advice, we easily come up with our vision and the things we are planning to do.

As one of the ASHRAE Hong Kong Student Branches, we are going to act as a bridge to link up the academic knowledge with the professional engineering. All the ASHRAE student members in HKUST can have a lot of chance to meet with engineering professionals from different countries, and meet with other universities’ students to share knowledge and experience with each other. These resources and chances provided by ASHRAE can broaden our horizon and well prepare us to be a great leader in this industry in the future.

Ernest Wong, Proposed External Vice Chair (HKUST)



Group photo taken of Technical Visit to Efarter Factory (HKU).



Group photo taken of Joint U War Game, include HKU, HKPU, City U, IVE, and ASHRAE-YMC.



Group photo taken of Technical Visit to Lok Ma Chau Station (HKU).



Technical visit to Ocean Park and Panda House (HKU)





Green CRC 2005 hosted by Hong Kong Chapter

By Philip C.H. YU, PhD RPE CEng

Chapters Regional Conference (CRC) is the biggest regional or global event¹ of ASHRAE each year because all chapters of ASHRAE take turn to host such regional conference every year for their own region.

This is the 2nd time we hosted the CRC, 1st one in 1999; and I was nominated as the General Chair. It is also the 2nd round because all 6 chapters in Region XIII have done that once since the region was officially formed in 1998. So it would be interesting to do something different, I thought; and with the support of our chapter members, I proposed to do a “Green CRC” at the 2004 CRC hosted by Singapore Chapter.



Group photo taken for speakers



Group photo taken at CRC



Group photo taken at CRC Seminar

In my mind, “green” carries several meaning...

- *It has to be environmental friendly as many people think of green.*
- *It has to be forward looking – our future, our next generation, our young members!*
- *It has to be creative, different, thinking out-of-the-box, etc. (six thinking hat)*

Thanks to the committee members, especially the young members who had really made it different...

more than 100 student delegates overall participation, including 50+ local student helpers and some 40+ from overseas, dedicated international session for student members, plus 3 well organized extra tours of social service and technical exchange, active participation in cultural performance that really energized the cultural night!

Eagle Mo, Edward Chan, Pauline Leung, Anny Pang and the SB leaders have devoted huge effort to make it happen. They had indeed achieved my first green objective. I trust it is also an invaluable experience to learn to be the next leaders in ASHRAE Hong Kong Chapter.



It was the first time to try “e-meeting” and has been proved successful...

- *no big and thick CRC binder, every delegate received a USB thumb drive that contained all meeting materials,*
- *wireless LAN for download of the latest updates in the meeting and*
- *electronic venue signage*

Louis Lo, Jacob Yiu, Sam Hui, Alan Lam and his IT helpers had contributed to the success. Without their support behind the scene, we wouldn't have got the business done smoothly.

Group photo taken in the social service event ●.....



¹ *Yet the winter meetings/expo is the largest event, it only takes place in the US and is not global. CRC is being held every year by every ASHRAE Region, not only in the US but also Canada and Far East... It's not the biggest single event but it is the biggest when adding up all 13 CRC's!*



Cultural night was another break-out. Everybody enjoyed the cultural variety from different performance of Thailand, Taiwan, Singapore, Philippines, Malaysia and of course Hong Kong Chapter. In fact, it has brought the CRC to a high! KC Chan, Calvin Tang and Tracy Pang had done an excellent job.

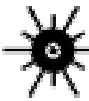


Besides, there were some senior members who had given great support and coaching to our young members. WK Pau, Raymond Yau, Edward Tsui, Tim Cheng and our chapter president TK Chan all unselfishly sacrificed their personal time and resource for the chapter's success. Last but not the least, we have a great treasurer Rocks Li who has not only a beautiful job in financials but also keeps good tracking on registration.

Feedback from CRC delegates...

- ▶ *You and your team certainly have blazed new trails for Region XIII with the first ever Green CRC. Even our Society Officers are most impressed at the review session with minimal comments. Keep up the good record. Hope your finances are in the black as well. My best wishes for a job well done*
- ▶ *I congratulate you for organizing this CRC successfully. You allowed us to conduct the meeting efficiently, have fun and bring home some unforgettable memories. Other benefit of course was given us an opportunity to observe and learn how to organize next year CRC in our homeland.*
- ▶ *You have opened up some new approaches in conducting seminar and meetings, I am moved for your dedication to serve and dare to be different. For things that are good and excellent, we shall follow or try to make it even better.*
- ▶ *For things that need to improve, we would search ways to change it and seek your guidance. Since your team has paved the way to allow us to see how far we can go, we shall go farther, how about that?*
- ▶ *We really appreciate HK's detailed planning, making the programme run smoothly, and everyone feel comfortable 'at home' in HK.*
- ▶ *Thank you for your hospitality extended to my student members during their stay in Hong Kong.*
- ▶ *Your well coordinated programs really make us benefited most and are a challenge to us to have a good one too for you. We wish to return your favour next year in KL.*
- ▶ *On behalf of CAR, we would like to express our gratitude to ASHRAE Hong Kong Chapter for the great CRC. We really appreciate your invitation and hospitality arrangement, which had made us feel comfortable like 'at home' in HK.*



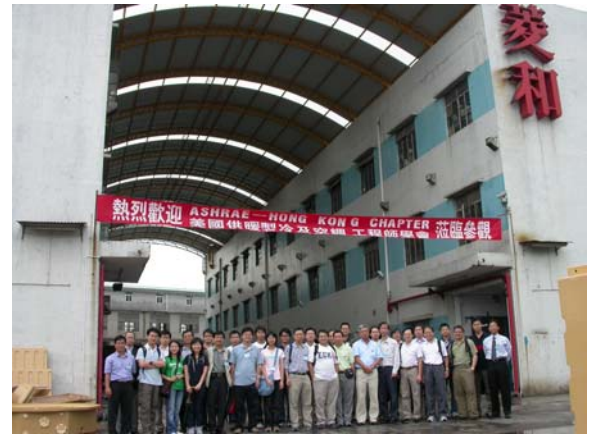


Development and Application of Cooling Tower

20 JUL 2005

In the mind of general public, cooling tower is just a gigantic yellowish brown cylindrical tower with continuous water dripping and moist air exhausted. This is what I presume before I start the research of cooling tower in 1995.

As a local cooling tower engineer, I was being assigned a task of preparing the ASHRAE cooling tower conference - a challenging activity to introduce cooling tower to the professional engineer, academia and elite from all estate developer of Hong Kong. After thinking over and over, my colleagues and I decided to make a simple way to explain the history of cooling tower in Hong Kong. Starting from the history of using cooling tower in Hong Kong to recent years' research experience, and how to adapt the Hong Kong market in order to achieve international certificate.



Group photo taken in front of the Ryowo Cooling Tower Factory.



Around 30 guests spend about 2 hours to the Shenzhen factory. After a seminar on cooling tower, all participants were invited to visit the factory and the testing centre. A test specially arranged based on STD-201 specification was demonstrated, so all the attendants could have an idea of the test and how a new product was improved and developed successfully. By the way, it seems like providence that we got few hours of sunshine during the rainy day!

I was gratified that all participants were so interested in such common HVAC equipment and many constructive questions were raised up after the visit, which inspired me a lot for the product development. I would like to give my appreciation to all of your attendance and hope that this function could bring out a new impression on traditional cooling tower.

Chinese Version originated by Mr. S. K. Fung



All visitors are very interesting to the construction of cooling tower.



Overview of the STD-201 Testing Centre



Introduction of 1st Technical Associate from HK, Dr. SW Wang

Congratulations to Dr. Shengwei Wang!

Our member Dr. Shengwei Wang, professor and associate head in Department of Building Services Engineering of The Hong Kong Polytechnic University, recently accepted our Headquarter's invitation to be one of the Associate Editors of the International Journal of Heating, Ventilating, Air-conditioning and Refrigerating Research (HVAC&R Research). He is the first member from HK Chapter and also the first academic staff in Hong Kong to take this post. HVAC&R Research is a quarterly academic journal of ASHRAE, which is an important journal on research and development for HVAC&R industry. Also, it is an indispensable tool for every researcher and an essential acquisition for every university and corporate library. More information can be found at the below web link:

<http://www.ashrae.org/template/AssetDetail/assetid/30320>



Coming Events

15 November 2005

HKIE-BSD/ CIBSE-HKB/ ASHRAE-HKC

Joint Symposium 2005 - New Challenges in Building Services

17 November 2005

ASHRAE HKC

4th BOG Meeting (2005-2006)

25-26 November 2005

Asia Pacific Conference - on Built Environment

Creating A Healthy and Energy Efficiency Indoor and Built Environment

6-8 December 2005

6th International Conference on Tall Buildings [ICTB-VI]

21-25 January 2005

ASHRAE Winter Meeting at Chicago

Visit our web site for more information:

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

Library Services for Hong Kong Chapter

The Hong Kong Chapter Library is located at Johnson Controls's office. Some selected publications were kept and can be read and borrowed by our members. Details of library service:

[ASHRAE Hong Kong Chapter Library](#)

Manager of the library and contact details: Ms. Fanny Fung, Tel: 2590-0012 ext. 252

Membership Renewal

To enjoy the benefits provided by the organization, you can simply renew your ASHRAE membership online and pay dues. Members can access to the dues payment from the members page of the ASHRAE website (www.ashrae.org). You are also kindly requested to update your personal contact information, so update events and journals can be sent to you.





List of New Chapter Officers, Governors and Committee Members for Society Year 2005-06.

CHAPTER OFFICERS AND GOVERNORS

- Mr. T K Chan**
• President
- Dr. Sam C M Hui**
• President-Elect
- Ms. Eagle C Y Mo**
• Hon Secretary
- Mr. S L Li**
• Hon Treasurer
- Mr. Tim Cheng**
• Immediate Past President
- Mr. Vincent Tse**
• Governor
- Mr. Edward Tsui**
• Governor
- Mr. Victor Yiu**
• Governor
- Dr. Raymond Yau**
• Governor
• Chapter Bylaws Review

CHAIRS OF KEY WORKING COMMITTEES

- Dr. Y C Lee**
• Chapter Program Committee Chair
- Mr. Jacob Yiu**
• Membership Promotion Committee Chair
- Ms. Gambi Chiang**
• Research Promotion Committee Chair
- Mr. Louis Lo**
• Student Activities Committee Chair

CHAIRS OF OTHER WORKING COMMITTEES

- Dr. Roger C Y Chu**
• Historian
- Mr. Paco Tang**
• Info. Technology (IT) Committee Chair
- Mr. Vincent Chu**
• Institutions Liaison Committee Chair
- Mr. Calvin Tang Chi Hang**
• Mainland Relations Committee Chair
- Ms. Anny Pang Sui-Man**
• Publication & Newsletter Committee Chair
- Mr. Raymond Chiu**
• Reception Committee Chair
- Mr. Edward Chan**
• Publicity Committee Chair
- Mr. Albert LO Chan Kit**
• Refrigeration Committee Chair
- Dr. Yuguo Li**
• Technology Transfer Committee Chair
- Mr. Alan Lam**
• Chapter Webmaster
- Dr. Philip Yu**
• General Chair, CRC 2005
- Mr. W K Pau**
• Attendance Committee Chair
- Mr. Chan Ka Ching**
• Young Member Committee (YMC) Chair
- Mr. Rocks Li**
• Treasure, CRC 2005
- Mr. Eric Lim**
• Mainland Relations Committee Member (proposed)
- Mr. Ray Hui**
• Mainland Relations Committee Member (proposed)

STUDENT BRANCH ADVISORS

- Dr. Daniel W T Chan**
• PolyU Student Branch
- Mr. Square K F Fong**
• CityU Student Branch
- Mr. Y N Au Yeung**
• IVE Student Branch
- Dr. Yuguo Li**
• HKU Student Branch

STUDENT BRANCH REPRESENTATIVES

- Mr. Billy K L Ho**
• 2004/2005 PolyU Student Branch President
- Mr. Ryan Chan**
• 2004/2005 CityU Student Branch President
- Ms. Anita Ho**
• 2004/2005 HKU Student Branch President
- Mr. Howard Cheung**
• 2004/2005 IVE Student Branch President

TECHNICAL WORKING GROUPS

- Dr. Philip Yu**
• Leader, Technical Working Group (Energy)
- Dr. Yuguo Li**
• Leader, Technical Working Group (Ventilation and Health)
- Dr. J L Niu**
• Leader, Technical Working Group (Humidity)
- Dr. Christopher Chao**
• Member, Technical Working Group (Humidity)
- Dr. John Lin**
• Member, Technical Working Group (Humidity)
- Dr. Horace Mui**
• Member, Technical Working Group (Humidity)
- Dr. Y C Lee**
• Member, Technical Working Group (Humidity)
- Dr. Sam C M Hui**
• Member, Technical Working Group (Humidity)
- Mr. Joseph Lai**
• Leader, Technical Working Group (O&M of HVAC&R Systems)

NOMINATING COMMITTEES

- Dr. Philip Yu**
• Member, Nominating Committee
- Mr. Chan Ka Ching**
• Member, Nominating Committee

Message from Membership Promotion Committee

You're no doubt aware of ASHRAE's pre-eminent position with respect to the accumulation and dissemination of technical information in the heating, refrigerating, air-conditioning and ventilating industries. In addition, and perhaps even more important, membership in ASHRAE will place you among the leaders in the industry. Association on a local and national basis with your fellow practitioners of the ASHRAE technologies cannot fail to benefit you.

In this year, we will also continue to organise more activities for our prospective members and member through promotion night/ activities, in order to get new members, retain existing members and advance membership grades of existing members. ASHRAE night and membership promotion in Macau are tentatively scheduled on early of Feb., 2006 and early of Mar., 2006 respectively.

