



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

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## Presidential Address *By K.L. Chan, President*



**Ir K.L. Chan**  
*President 2008/09*

Dear Governors, Officers, Fellow Members, Distinguished Guests, Ladies and Gentlemen, Good evening.

First of all, I would like to thank all of you for coming and attending our AGM tonight. I am extremely delighted and honorable to be elected and appointed as the Incoming President of ASHRAE Hong Kong Chapter for a yearly term from 2008 to 2009, commencing on 1 July 2008. I would like to take this opportunity to thank the Nominating Committee for the nomination and election of my Presidency in particular to the support from Governors, the Officers, all Committee Chairs and members. I would extend my sincere thanks to all members in the Board of Governors this year for their cooperation and contribution. Without the support of many volunteers and members, our Chapter would not succeed as much as we are. I hope all of you will continue to support the Chapter and actively participate in our functions. In fact, it is my great honor to present the Incoming Presidential Speech and share with you some of our plans of the activities and tasks in the coming fiscal year 2008 – 2009. In the new fiscal year ahead, Hong Kong Chapter is coming to the 25<sup>th</sup> Anniversary. The Hong Kong Chapter was born in 1984 and established by Dr. Edwin Tao and several pioneers of HVAC&R industry in Hong Kong. Following to directions of Dr. Tao, Past Presidents and the Society, the Hong Kong Chapter has been growing healthily and successfully in the past 25 years. In order to celebrate this important milestone, the Hong Kong Chapter will organize a series of functions and activities, they are:

- Publication on 25 Historical Buildings in Hong Kong
- Book Launching Ceremony
- Jubilee Dinner on 3 April 2009



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In my coming Presidential term, I have identified several major issues or areas for further development:

**Membership Promotion** Members are the backbone of ASHRAE. The trend of losing members worries us. Although this is not just happened in Hong Kong, same phenomenon in other Asian developed countries, e.g. Singapore, Malaysia, etc. has been observed. The Chapter needs to find the right niche for ourselves and our members. A special task force will be established to review the situation and propose some action items.

**Student Activities** Students are the future of our Society and the Chapter. There is also a decreasing trend of membership of students in these few years. The Chapter will carry out more "Orientation Programme" for new students and "Career Talk" for the final year students. A subsidy will be provided to final year students when they change the membership from student member to graduate member. The Chapter will offer more opportunities for exposure of students, e.g. CRC trip, Mainland – Hong Kong Joint Symposium, etc. so that they can not only learn something, but also have fun through the participation in voluntary works.

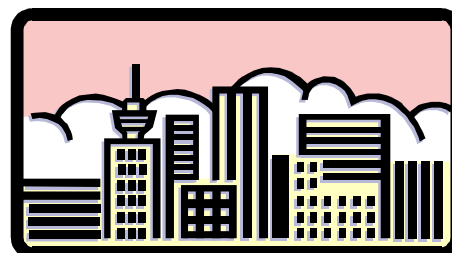
**Technology Transfer** ASHRAE offers a platform for professional development and exchanges. However, the current way of exchange is not so well promoted to the professionals and the public. If we can make use of the available Distinguished Lecturers for arranging more attractive seminars and Forum, then the professional image of ASHRAE members will be established and the recognition from the industry will be much higher.

As usual, the Hong Kong Chapter is going to be exciting and busy as we will continue all those regular activities such as symposiums, membership night, seminars, student chapters & programs, china liaison, government & institutions liaison, annual dinner, workshops, retreat, sport competitions and technical programs & visits, etc, all of that have been well planned and will continue to be implemented. I must take this opportunity to extend my thanks to those organizing committees, who have been spending their own time to make those events happened. It would never be the same success without their dedications and hardworking.

To conclude, I would like to give special thanks to all immediate past officers, committee chairs and members who will continue to support us until the end of the smooth transition to the incoming committee chairs and members. I would like to make thanks in advance to all incoming committee chairs and members whose names the incoming officers and I will confirm in coming weeks.

Thank you very much and have a nice evening!

Ir K.L. Chan  
President 2008/09  
ASHRAE Hong Kong Chapter



### The Manila CRC 2008

The 11th ASHRAE Region XIII Chapters Regional Conference (CRC) was held on 28-30 August 2008 at Manila, Philippines. This event allowed the ASHRAE Chapters in the Far East to interact with each other and to exchange ideas with the ASHRAE senior staff. To celebrate the 11th Anniversary of the CRC (see the photo below), the ASHRAE President Mr. William Harrison (*left no. 5*) attended the Manila CRC to officiate the ceremony.



*From left Mr. Thomas Chan, Dr. Sam Hui, Mr. S.L.Li, Mr. Matthew Ngan, Mr. William Harrison, Mr. K.L. Chan, Mr. Calvin Tang and Mr. Albert Lin*

The Manila CRC included a half-day technical seminar, a banquet dinner, some business sessions, workshops, meetings and award presentations. It also had a student workshop program to allow student and young members to carry out technical visits and cultural exchanges in Manila.

The CRC activities not only enable the Chapters to discuss common issues, but also provide good opportunities for our committee members to develop regional perspectives and people's networks. By encouraging the student members to participate in the CRC, we believe this will enhance their horizons and abilities.

14 HK delegates and 10 HK students attended the Manila CRC. Sincere thanks are expressed to the host, ASHRAE Philippines Chapter, for the great hospitality (esp. food and alcoholics) and kind supports.



*Group Photo during the Manila CRC!!*



Philippines Study Tour 2008- Executive Summary

After planned for six months, ten students including me had gone for a seven-day Philippines 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 and the Hong Kong University of Science and Technology, from 25<sup>th</sup> August to 31<sup>st</sup> August 2008 in this summer.



Group Photo of students

The objective of this study tour was to enhance student's interests in HVAC&R technologies by functions of talks, seminars and visits. This seven day study tour as a valuable experience for us to broaden our view by looking into more worldwide technology and engineering industry outside Hong Kong. In these seven days, we joined various activities. While the ASHRAE Regional XIII Chapter Regional Conference allowed us to read more engineering stories in the guest sharing session by the two professional engineers, the visits to the Concepcion-Carrier Air-conditioning Corporation plant, Philippine Department of Energy and Testing Laboratory and

Main Office and 9<sup>th</sup> International Food and Beverage Exposition 2008 also let us understand the electrical and mechanical background and HVAC technology development of the Philippines.

In spite of acquiring engineering knowledge, the visits of the University and the Institute 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. Moreover, we ten have to give a great thank to the Filipino students of their enthusiastic hosting during the days we were in the Philippines.

This study tour was successful. We finally had to thank for ASHRAE Hong Kong Chapters to support this enjoyable trip in this summer. Hope there will be more students to have chances to participate in and benefit from the activities jointly organized by ASHRAE and Hong Kong universities in the future.



Group Photo of students!!





### Technical Talk on BS EN 62305:2006 Protection Against Lightning

A technical seminar on “BS EN 62305:2006 Protection Against Lightning” was jointly organized by ASHRAE Hong Kong Chapter, CIBSE Hong Kong Branch and HKIE Building Services Division on 11<sup>th</sup> August 2008 at the HKIE Headquarter. This is our pleasure to have Mr Vincent Loh, the Product Manager of FURSE Asia Region, to present this technical seminar to our members. Mr Loh has been actively involved in the lightning protection industry in this region for the past 14 years. His main expertises include providing professional advice to engineering consultants/marketing and offering his skill in technical services, which include total solution of lightning protection design and site inspection.

Mr Loh divided the seminar into 4 parts in accordance with the new standard BS EN 62305:2006 that replaced previous standard BS 6651. The audience was impressed by the presentation and raised numerous questions during the seminar. Questions involved the theoretical basis of lightning protection techniques and other real case studies were discussed. Participants enjoyed in the topics discussed in this particular seminar. This technical seminar was very successful with more than 80 members joined.



Participant actively discussed and shared their experience during the talk



Ir Dr. Jacob Yiu presented souvenir to our guest speaker Mr Vincent Loh

### Methods for Improving Energy Efficiency and Sustainability of Building Systems

Our chapter held a technical Seminar with topic “Methods for improving energy efficiency and sustainability of building system” on 10<sup>th</sup> July 2008 night in Poly University of Hong Kong. Dr. Moncef Krarti, PhD, PE, speaker of the seminar, is professor and Associate Chari at the Civil, Environmental, and Architectural Engineering Department in the University of Colorado at Boulder. He is also the Director of the Building Systems Program at the University of Colorado. During the seminar, Dr. Moncef Krarti, provided an overview of the state-of-art energy analysis tools and techniques to assess the performance of energy system in buildings. Systematic and proven procedure as well as case studies are illustrated to improve the energy efficiency building energy systems including building envelope, electrical systems, and HVAC system.



From Left: Mr. Kenny Lee, Dr. Moncef Krarti, Dr. Sam Hui



Dr. Moncef Krarti, PhD is presenting the talk

### Green and Sustainable Buildings

A technical workshop -- "Green and Sustainable Buildings" was held on 18 and 20 August, 2008 in The Hong Kong Polytechnic University. The speaker of this workshop is Dr. Sam C.M. Hui, an Honorary Assistant Professor of the University of Hong Kong, who let the participants develop an understanding of green and sustainable building through this workshop. Basic principles of green and sustainable buildings, design strategies and considerations and green building assessment methods all were topics of the workshop. All participants really enjoyed and learned from the workshop.



Dr. Sam Hui is presenting the idea of 'Green and Sustainable Building'



All audiences played attention during the whole workshop



From Left Mr. Kenny Lee and Mr. Matthew Ngan, representatives of ASHREA, are presenting souvenir to Dr. Sam Hui

### Recent Seminar

- Technical Visit - Fire Services Training School, Pat Heung, 14 July 2008 (Mon)
- Technical Seminar - Green Olympics & Eco-city Development, 18 July 2008 (Fri)
- Technical Talk - Application of CPVC Piping System in Building Services Installations, 21 July 2008 (Mon)
- Technical Talk - BS EN 62305:2006 Protection Against Lightning, 11 August 2008 (Mon)
- Seminar Carbon Reduction and Audit Solutions for Corporations and Executives, 24 August 2008 (Thu)
- Technical Visit - Dong Gang Factory of Keystone Electric Wire & Cable Co., Ltd., 30 Aug 2008 (Sat)
- Technical Talk - Chilled Water Distribution System Dynamic Balancing, 23 September 2008 (Tue)
- Technical Visit to AIF Tower, 27 September 2008 (Sat)
- Technical Workshop - Impacts of temperature and ventilation on people beyond comfort and health, 27 September, 2008 (Sat)

### Your Investment is needed today

**ASHRAE Research** benefits the HVAC&R industry in many ways. Whether you specialize in energy substantiality, IAQ, green building, tools and applications or refrigeration, ASHRAE has research projects focused on your field of expertise and the specific topics to benefit your work most. In addition, results from the research program help shape and revise the ASHRAE Handbooks including “*Fundamental*”, “*HVAC Systems and Equipment*”, “*HVAC Applications*” and “*Refrigeration*”, used by professionals around the world. These research project results are also incorporated into ASHRAE standards such as “*Standard 55 – Thermal Environmental Conditions for Human Occupancy*”, “*Standard 62 – Ventilation for Acceptable Indoor Air Quality*”, and “*Standard 90 – Energy Standard for Buildings Except Low-Rise Residential Buildings*”, ensuring more efficient buildings, business practices and a better quality of life for the world. Other than the above, the results are published in different formats to best suit the needs of our ASHRAE members and HVAC&R industry.

**Your investment is needed today** because next year's research budget is based on contributions received this year. Please consider your support of these vital research projects as soon as possible so the HVAC&R industry will be benefit from your donation. Please visit ASHRAE's website at [www.ashrae.org](http://www.ashrae.org) for more information on ASHRAE's research.

For additional information, please do not hesitate to contact our Dr. Jacob CM Yiu, Research Promotion Committee Chair, by phone at 6193-8959 or via email at [jacobyiu@atal.com.hk](mailto:jacobyiu@atal.com.hk) or Mr. Thomas HK Chan, Research Promotion Committee Co-Chair, by phone at 9106-9323 or via email at [thomas.chan2@honeywell.com](mailto:thomas.chan2@honeywell.com)

### Appreciation of Your Support of ASHRAE Research

Research Promotion Committee would like the opportunity to publicly recognize and thank the following donors for their support of ASHRAE Research in 2007/2008.

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- Mr. YIU Wa Wong Franki

Every dollar invested in ASHRAE Research, whether for sponsoring industry related research projects, providing continued updating of handbooks and standards, producing a variety of publications and industry resource materials, developing meaningful continuing education program etc., goes towards those endeavors.

***Your support of ASHRAE Research is greatly appreciated !***

### Chapter Officers and Governors 2008-2009

President (Chapter Delegate)	Mr. Chan Ka Lung, Raymond
President –Elect (Chapter Alternate)	Mr. Tang Chi Hang, Calvin
Secretary	Mr. Ngan Ping Leung, Matthew
Treasurer	Mr. Lin Wan Fuk, Albert
Immediate Past President	Mr. Li Siu Lam
Governor	Mr. Chu Tak Wing, Vincent
Governor	Mr. Tse Kam Chuen, Vincent
Governor	Mr. Cheng Tim
Governor	Mr. Yiu Yee Ming, Victor

### ASHRAE Society and Region XIII Posts

ASHRAE Vice President & ASHRAE Distinguished Lecturer	Mr. Vincent Tse
Regional Vice Chair (RVC) – Chapter Technology Transfer	Dr. Raymond Yau
Nominating Committee Member	Mr. Edward Tsui
Regional Webmaster	Dr. Sam C.M. Hui

### Working Committee 2008-2009

Chapter Programs	Mr. Lee Yin Cheung, Kenny (Chair)
Membership Promotion	Mr. Lo Chan Kit, Albert (Chair)
Research Promotion	Dr. Yiu Chi Man, Jacob (Chair)
Student Activities	Ms. Pang Ching Man, Tracy (Chair)
Attendance	Mr. Pau Wai Keung (Chair)
Auditing	To be confirmed later
Chapter Technology Transfer	Dr. Chan M.Y. (Chair)
CRC Action	Mr. Li Siu Lam (Chair)
Historical	Dr. Yu Chung Hoi, Philip (Chair)
Honors & Awards	Mr. Chan Tsz Kin (Chair)
Electronic Communication	Mr. Chan Tin Kei, Henry
Information Technology	Mr. Lam Yu Hung, Peter (Chair)
Webmaster	Mr. Lam Ying Wai, Alan
Institutions (HK) Liaison	Dr. Hui C.M., Sam (Chair)
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Nominating Committee	To be determined
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Publicity	Mr. Lau Kwai Ping, Barry (Chair)
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Refrigeration	Prof. Chao Yu Hang, Christopher (Chair)
Young Members Committee	Ms. Tong Eunice (Chair)

(\* Contact us at email "info@ashrae.org.hk")