



Message from the President



It is my great honour to be the Chapter President and to tell you more about our plans for the activities in 2006-2007. The Hong Kong Chapter is coming to the 22nd anniversary in 2006. Just imagine what you were doing at the age of 22. Some of you might be studying in the tertiary institutions, some might be starting the first job in the industry, some might be busy finding your career or your loved one. As a teacher in the University, I often met young people of a similar age. They are enjoying their University life and growing into mature persons. I would consider them "Young Adults" because they are beginning to take responsibility and developing their own thinking and lifestyle.

Our Chapter was born in 1984 and established by several pioneers of HVAC&R industry in Hong Kong. With the support of many volunteers and members, our Chapter has been developing healthily and effectively in the past two decades. I believe the future of our Chapter is very bright and the "spirit" of ASHRAE will enable us to achieve excellence in our activities and goals.

To prepare a Year Plan, I have studied carefully the current organization and emerging issues of the Chapter and the ASHRAE Society. I have identified three major areas for setting our goals.

Technology

- Achieve technical quality in our programs and activities
- Promote HVAC&R education, training and research development
- Advance ASHRAE's expertise to promote sustainable built environment

Communication

- Enhance internal communication channels (e.g. newsletter, website, meetings & gatherings)
- Develop exchanges and collaborations with relevant institutions in Hong Kong, mainland China and overseas
- Promote the professional image to the industry and the general public

Members

- Review the current members' service and functions (e.g. through survey questionnaire and studies)
- Develop our student and young members (e.g. by scholarships, study tour & other student/young activities)
- Develop leadership qualities in our members (e.g. via working committees, joint functions & regional events)

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Message from the President (Con't)

In order to fulfill the mission, we will need your active support and the valuable efforts and contribution made by our volunteering teams. They are energetic, creative and friendly people who contribute their time and thinking to various functions of the Chapter. At the same time, they are provided with many opportunities to develop people's network, leadership and organization skills, as well as technical knowledge.

Being a "Young Adult", our Chapter is going to develop further and take up responsibility in the Society. To build up a sound foundation for its sustainable growth, I would like to propose the following main theme for 2006-2007 which will encourage our people to develop their potential continuously and appreciate the importance of learning throughout lifetime.

Presidential Theme for 2006-2007: "Life-long Learning"

This theme will not only pinpoint the significance of education and training, but also bring out the fact that continuing professional development is crucial for personal growth. Our Chapter shall establish a culture to promote all forms of learning opportunities and professional growth for our ASHRAE members at different levels. The learning process can be found in formal education courses, workshops, technical seminars and visits. It can also be generated from human interactions, meetings, problem-solving, and volunteering. The ASHRAE Society has been very successful in promoting volunteer resources and intellectual exchanges.

I wish all of you a wonderful experience with ASHRAE.

Dr. Sam C. M. Hui
President 2006-2007
ASHRAE Hong Kong Chapter

Hong Kong Chapter News

New Fellow Member

Dr. Yuguo Li is an Associate Professor of Building Services Engineering at the University of Hong Kong, Hong Kong SAR since 2000 and was the team leader of ventilation technologies at CSIRO Australia between 1997 and 2000. Since the 2003 SARS epidemic, he has significantly contributed to the understanding of air flow and ventilation systems to the disease spread in buildings. His work led to the first findings of the roles played by air flow and ventilation in the 2003 Amoy Gardens SARS outbreak in Hong Kong. He coordinated an international multi-disciplinary team of engineers and medical professions and completed the first systematic assessment of literature on the association of building ventilation and airborne transmission of diseases. The research in his group led to the development of new ventilation system in SARS wards and findings of major factors affecting the ventilation performance of SARS wards with 1200 beds which have been adopted by the Hong Kong Government Hospital Authority (HA). He is currently assisting Hong Kong Government Department of Health and HA in using mathematical modeling and experimental ventilation studies for the preparation of the expected H5N1 influenza pandemic. His earlier work included displacement ventilation, natural and mixed-mode ventilation, and application of computational fluid dynamics in building ventilation and indoor air quality. He was among the first to identifying and studying systematically the solution multiplicity in building ventilation flows. He has been the founding Faculty Advisor for the active ASHRAE University of Hong Kong Student Branch since 2001 and served as CTTC Chair in the last two years in the ASHRAE Hong Kong Chapter.



Dr. Yuguo Li, Fellow ASHRAE



Mr. Terry Townsend

The 2006 -2007 ASHRAE President, Mr. Terry E Townsend, and his wife have visited Hong Kong Chapter from 31-Aug-2006 to 3-Sep-2006. In the visit, Mr. Townsend, has a tight schedule including visiting Hong Kong Institute of Engineers (HKIE) headquarters and the Architectural Services Department, meeting with HK chapter governors, past presidents and young members as well as giving a technical seminar.



Presidents of HKIE and ASHRAE



Visit to HKIE headquarters

Interview by TVB

We are honored Mr. Townsend spared his precious time to have an interview with TVB. In the interview, Mr. Townsend mentioned "only concerning temperature is not the solution for energy saving". Suitable humidity levels play a major role in achieving comfortable conditions. Having a good humidity control, people can feel comfortable even at a higher temperature. Most people will feel comfortable in the temperature 25.5°C, if relative humidity is around 50~60%.



ASHRAE President Terry Townsend

Meeting with Young and Student Members on 2nd Sept, 2006



Mr. and Mrs. Townsends meeting Young/Student Members

Right after ASHRAE Region XIII 9th Chapter Regional Conference in late August, Mr. Terry E. Townsend and his wife started their visit to places around Region XIII. They came to visit Hong Kong on 31st August and stayed for 4 days. The Young Members Committee was very fortunate to have a sharing session with the president.

Student Branch Presidents from all five institutions with their committee members eagerly participated in this sharing. In addition to students, we were also glad that a number of young engineers participated in the activity too.

ASHRAE President Visit (Con't)

The meeting commenced with a tea reception where the YMC (Young Member Committee) had prepared some Chinese traditional Snacks (e.g. Butterfly Cookies, Egg Tarts, Glutinous Rice Cakes and "Wife" Cakes) and drinks (e.g. Sugar-Cane Juice) for the President Couple.

Many topics were discussed in the sharing session which included issues from all kind of aspects. Mr. Townsend had shared with us his road to success, the importance of participation in Society works, how ASHRAE works to make our earth a better place to live without compromising our natural environment.

Beside issues related to academic aspects, Mr. Townsend had also shared with us how he handled his pressure from work and some other interesting things he met while he worked for the society and his life. He had also encouraged us to be more creative in our future designs with a quote from Albert Einstein "The way you think today is not the way you think that can give you a solution to the problem that you face today."

Mr. Townsend was very concerned about our views towards the CRC as well. He encouraged us to reflect our opinions towards the student program during CRC in Malaysia and to raise our suggestions regarding the CRC next year in Taipei. Overall, we had a very fruitful and enjoyable afternoon with Mr. Townsend and his wife.



Mr. and Mrs. Townsend and Dr. Sam Hui

Technical Seminar: Sustainable Application

The current President of ASHRAE, Mr. Terry Townsend, had successfully conducted a technical seminar on 1 September 2006 in the University of Hong Kong. The topic of the seminar was "ASHRAE Technology: Sustainable Application".

The talk highlighted that how we could achieve a sustainable design by applying innovative engineering and also initiating leading-edge research. Mr. Terry Townsend gave us the aspects we had to consider when designing a sustainable building, which included energy efficiency, indoor air quality, thermal comfort, innovation, operation and maintenance, cost effectiveness and environmental impact. He further illustrated the aspects by giving out some examples of building design to enhance our understandings.

For example, using CO₂ sensor to control the ventilation rate in respect to energy saving, using low or non-VOC material for painting in respect to indoor air quality and using zero Ozone Depletion Potential substances in refrigerant cycle, like HFC (R407c) in respect to environmental impact. The seminar was last for one and half hour. We all got a lot from the seminar, which draw us attention to the resources and energy in crisis right now and we all have to design our buildings in a sustainable way in respect to electrical and mechanical design and building construction.



On behalf of the ASHRAE Hong Kong Chapter and the participants we would like to express our gratitude to Mr. Terry Townsend to present such valuable information to us, which broaden our view and also initiate us to be a pioneer of the sustainability.

Technical Functions

Sichuan (Chengdu) Joint Symposium

It is delighted to report that the Sichuan (Chengdu) Joint Symposium was held successfully on 29 June - 2 July 2006. The event is wonderful and we the participants did enjoy the symposium, the place, the food and the hospitality. We also were very excited about the World Cup 2006 games, although some of us were disappointed about England and Brazil.

We are grateful to the host, organizing committee and all the helpers who made great efforts to ensure smooth running of the symposium. The next China symposium will be led by ASHRAE-HKC and the location is Hangzhou (Zhejiang Province), a beautiful city in China. Please watch out for the announcement and do join this event if you are interested.



Chairmen of the organizing bodies



Group photo

Technical Workshop on Humidity Control & Mold Growth in Buildings

A technical workshop on "Humidity Control and Mold Growth in Buildings" was successfully held from 26 June 2006 to 7 July 2006, which was jointly organized by the Technical Working Group (TWG) of ASHRAE Hong Kong Chapter and the Research Centre for Building Environmental Engineering, Department of Building Services Engineering of the Hong Kong Polytechnics University. There were 30 participants in the workshop.



Technical workshop participants

This workshop included 4 sessions with different topics related to humidity control and mold growth discussed and shared between the speakers and participants. There were 4 speakers to conduct the technical workshop, including Dr. Sam Hui (HKU), Dr. Horace Mui (PolyU), Mr. Anthony S. K. Yip (CLP) and Professor Lilian L.P. Vrijmoed (CityU). This workshop emphasized the importance of the humidity control and mold growth to buildings, which will affect building materials, air quality, comfort, corrosion, hygiene and even virus/ bacteria infections. The workshop explained the concepts of humidity control, discussed the applications of moisture/ environmental control systems, examined the application of heat pump in humidity control and discussed the principles of mold growth in Hong Kong. Besides, a full-colour, user-friendly design book named "Humidity Control Design Guide for Commercial and Institutional Buildings" were distributed to the participants.

Multi-year Dues Payment Program

Members can now pay for up to three years of membership or associate membership in one transaction and receive a 10 % discount on the second or third year of payment if you pay for two years of membership, and set a \$15 discount off the total payment! If you pay for three years of membership, you will get a \$30 discount off the total payment! Please note that multiyear payments must be made by phone or mail. Chapter dues payments will be accepted at headquarters with society dues payments only if chapter payments are made in the same multiyear increments. For example, when a member pays two or three years of society dues, he will need to pay chapter dues at the same time to headquarters in the same two or three year increments. If the member prefers to pay chapter dues one year at a time when he pays multi-year society dues payments, he will need to pay the chapter directly.



Young Engineer In ASHRAE (YEA) Connections

The YEA connection is specifically targeted at young ASHRAE members who wish to receive regular communication of interest to young people and who wish to network and communicate with one another. It will offer a regular newsletter, a one-time free logo item, listserv, and information and updates on special events as they occur. It's a great opportunity to stay on top of Society news and events and network with young professionals around the world.

Check the first edition of the newsletter, located on the ASHRAE YES web page at
<http://www.ashrae.org/template/PDFDetails/assetid/48440>.

2007 AHR Expo Dallas Convention Center

HVAC/R Engineers need INFORMATION...fresh, new, innovative, ahead of the curve, practical information to excel in their jobs. Next January in Dallas, the AHR Expo and ASHRAE will pull together in one place all of the resources an engineer could ask for to generate creative alternatives and make the best decisions.

- Of the 1,600 plus exhibitors, research has indicated that 57% will be showing their newest products of specific interest to engineers. Many exhibiting companies will also bring their own top engineers to discuss project specifics.
- ASHRAE will be offering Professional Development Seminars and Short Courses for which attendees will receive PDH's.
- Endorsing Associations will be offering brief educational sessions with an emphasis on practical application.
- ASHRAE's Winter Meeting will offer numerous opportunities to learn about cutting edge technologies, best practices..etc
- With tens of thousands of HVAC/R professionals converging on Dallas, there will be limitless networking opportunities.
- Two special sections on the show floor make it easy to find the latest in Building Automation & Controls and Industry related Software.

For three days in January, engineers will be able to gather a tremendous amount of valuable information by visiting two concurrent events in ONE place: **The 2007 AHR Expo and ASHRAE's Winter Meeting**.

Malaysia Technical Study Tour 2006

A Malaysia Technical Study Tour was successfully held in Kuala Lumpur, Malaysia from 24 Aug, 06 to 30 Aug, 06. Our Chapter president, Dr. Sam Hui and 18 students from the student branches organized it. The main theme of this study tour was on Building Technology and participants have attended the ASHRAE Region XIII Chapters Regional Conference and technical visits. In the conference, three technical seminars were presented, including "The business of commissioning" by Carl N. Lawson, "High performance HVAC designs beyond energy standards" by Julian R. de. Bullet, and "Sustainability: Closing the energy & environment cycles" by Thiam Leong Chen.



CRC Technical Seminar

Some technical visits to HVAC factories and building projects were included in the visiting schedule. Culture exchange was also a part of this study tour and students did a culture performance and shared their university life with students from other countries. Please visit our chapter website for more information.



Visit to a clean room in a factory

Coming Events

2006	2007
7 Oct 2006 (Sat) Young Members Committee BBQ social gathering joint activity	16 Jan 2007 (Tue) ASHRAE Night 2007
9 Oct 2006 (Mon) Technical seminar: Dampness and mold in buildings, a cause of illness	27_31-Jan-2007 (Sat-Wed) ASHRAE Winter Meeting and AHR Expo, Dallas, TX
13 Nov 2006 (Mon) Technical seminar: Designing central chilled water systems (by Mr. Kent Peterson, ASHRAE President-Elect 2006-07)	May/Jun 2007 (Sat-Sun) ASHRAE Region XIII Regional Planning Meeting, Philippines (to be confirmed)
14 Nov 2006 (Tue) Joint Symposium 2006, Kowloon Shangri-la Hotel	May 2007 ASHRAE DL visit/seminar (Prof. S. A. Mumma, Penn State Univ) (to be confirmed)
30 Nov 2006 (Thu) Technical seminar: How filtration system design affect IAQ and energy saving in modern building	17-May-2007 (Thu) Annual General Meeting
1, 2, 5, 8 & 12 Dec 2006 Advanced energy audit training course (as co-organiser)	31-May-2007 (Thu) Annual Dinner
8 Dec 2006 (Fri) Symposium on wider use of water-cooled air conditioning system (as supporter)	23-27 Jun 2007 (Sat-Wed) ASHRAE Annual Meeting, Long Beach, CA
	Jun/Jul-2007 (Fri-Sat) Mainland-HK Joint Symposium, Hangzhou (to be confirmed)

(Visit our website for more information: www.ashrae.org.hk)

Chapter Officers and Governors 2006-2007

President (Chapter Delegate)	Dr. Sam C.M. Hui
President –Elect (Chapter Alternate)	Mr. S.L. Li
Secretary	Mr. K.L. Chan
Treasurer	Ms. Eagle Mo
Immediate Past President	Mr. T.K. Chan
Governor	Mr. Vincent Chu
Governor	Mr. Vincent Tse
Governor	Dr. Raymond Yau
Governor	Mr. Victor Yiu

ASHRAE Society and Region XIII Posts

ASHRAE Finance Committee & ASHRAE Distinguished Lecturer	Mr. Vincent Tse
ASHRAE Electronic communications Committee	Dr. Roger C. Y. Chu
Regional Vice Chair (RVC) – Chapter Technology Transfer	Mr. Alan Lam
Nominating Alternate Reserve	Mr. Edward Tsui
Regional Webmaster	Dr. Sam C.M. Hui

Working Committee 2006-2007

Chapter Programs	Mr. Calvin C.H. Tang (Chair)
Membership Promotion	Mr. Jacob Yiu (Chair)
Research Promotion	Mr. K.M. So (Chair)
Student Activities	Dr. Y.C. Lee (Chair)
Attendance	Mr. W.K. Pau (Chair)
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Chapter Technology Transfer	Dr. Christopher Chao (Chair)
CRC Action	Mr. T.K. Chan (Chair)
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Information Technology	Mr. Peter Lam (Chair)
Webmaster	Mr. Alan Lam
Institutions (HK) Liaison	Mr. Tim Cheng (Chair)
Mainland Relations	Dr. Jinghong Wang (Chair)
Nominating Committee	To be determined
Publications & Newsletter	Ms. Pauline Leung (Chair)
Publicity	Mr. Matthew Ngan (Chair)
Reception	Mr. Joseph Lai (Chair)
Refrigeration	Mr. Albert Lo (Chair)
Young Members Committee	Ms. Tracy Pang (Chair)

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