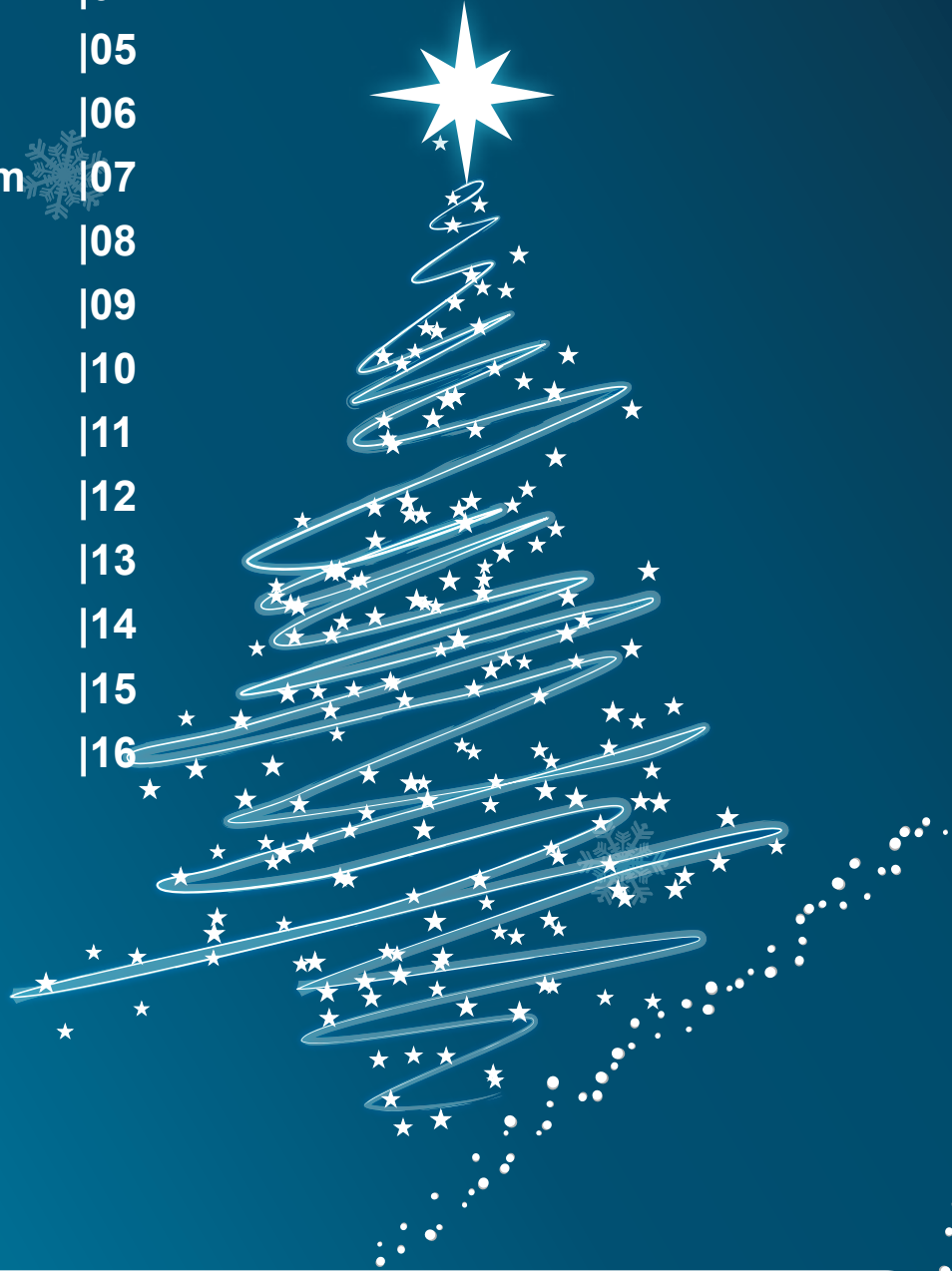


ASHRAE LINK

Dec 2012

The Newsletter of ASHRAE Hong Kong Chapter

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ASHRAE HKC 2012-13



Mr. Albert LO
President
ASHRAE Hong Kong Chapter
2012-2013

PRESIDENT

I'm greatly honored to be elected and appointed as the 29th President of ASHRAE Hong Kong Chapter. I will put my every efforts to serve our members with the supports from the Governors, Officers, Committee Chairs, Co-chairs & Members.

Since I joined ASHRAE in 1991 in USA, there has been a lot of changes in the Society. Throughout its 117 – year history, ASHRAE has been the go-to source in the HVAC&R industry for standards, education and other resources for engineers. As the role of HVAC&R has progressed to incorporate many facets of building design, construction and operation, ASHRAE has changed as well. In this connection, ASHRAE announced an evolution of the brandnew logo on Jan 21 at the Society's 2012 Winter Conference in Chicago.

As far as we know, ASHRAE's original commitment to HVAC&R engineering excellence remain resolute even as the Society continues to expand its influence into

all facets of building design, construction, reconstruction and operation.

The vision of the ASHRAE new brand is an acknowledgement of ASHRAE's broadening scope beyond HVAC&R to include standards (e.g. 90.1, 189.1), research, publications and educational resources relating to total building design, energy efficiency efforts and sustainable building technologies. Over the years, ASHRAE has been providing resources on a wide range of industry practices and issues, such as commissioning, building automation control, indoor environmental quality for buildings and aircraft, energy efficiency and the smart grid initiative.

Besides, ASHRAE also has a new tagline serves as a promise to members, and the industry, that whatever the future brings in the built community, ASHRAE will be at the forefront for research and guidance.

Fortunately, I got a chance to meet our Society President, Ron Jarnagin during the CRC in Hong Kong last year who inspire me for his vision, especially our young leaders starting from our students. We are proud of our current student branches and YMC in which we have successfully developed two charming young ladies, i.e. Eagle & Tracy.

The way ahead of the chapter is full of excitements and challenges. In my presidential year, I would like to further develop in the following major areas:

1. We will enhance promotion of our valuable ASHRAE Standards through DL talk, Technical Workshop & seminar on a regular basis to our members, industry jointly together with the stake owners.
2. Along with the new logo, we can further leverage our network to recruit the stake owners of the premises, such as Architects, Quality Surveyors & Building Operators, etc. to be our members.

Last but not the last, we need to put more resources in developing the student members to be the pillars of not only our chapter but also the industry & the society.

Afterall, I do believe that the only think constant in this world is Change - "Change for better future". Before closing my speech, I would like to take this opportunity to give a special thanks for all current & incoming Governors, Officers, Committee Chairs and members who will continue to support ASHRAE Hong Kong Chapter to next level.

Albert Lo

President (2012-2013)

ASHARE Hong Kong Chapter

Our Committee



Officers and Board of Governors

President (CRC Delegate)	Mr. Lo, Chan Kit Albert
President-Elect (CRC Alternate)	Ms. Pang, Ching Man Tracy
Secretary	Mr. Chan, Hei Kin Thomas
Treasurer	Dr. Wong, Chun Sing
Immediate Past President	Mr. Lin, Wan Fuk Albert
Member, Board of Governors	Mr. Tse, Kam Chuen Vincent
Member, Board of Governors	Mr. Li, Siu Lam
Member, Board of Governors	Dr. Hui, Chun Man Sam
Member, Board of Governors	Mr. Chu, Tak Wing Vincent

Working Committee

Membership Promotion	Dr. Tung, Siu Lok Dennis
Research Promotion	Mr. Wong, Shu Hung
Chapter Technology Transfer	Dr. Wong, Sai Li
Chapter Programs	Mr. Man, Cecil
Attendance	Mr. Wong, Joao

Working Committee

Auditing (2011-2012)	Mr. Pau, Wai Keung
Mainland Relations	Mr. Wong, Shu Hung
CRC Delegate	Mr. Lo, Chan Kit Albert
CRC Alternate	Ms. Pang, Ching Man Tracy
CRC Action	Mr. Lin, Wan Fuk Albert
Electronic Communication	Mr. Lo, Andy
Historical	Dr. Chu, Chun Ying Roger
Honors & Awards	Dr. Yu, Philip
Information Technology (IT)	Mr. Lam, Ying Wai Alan
Institutions (HK) Liaison	Ms. Mo, Cheung Ying Eagle
Publications & Newsletter	Mr. Wong, Joao
Publicity	Mr. Tang, Chi Hang Calvin
Reception	Ms. Tong, Eunice
Refrigeration	Mr. Ng, Gary
Student Activities	Mr. Sung, Ka Leung Michae
Young Members Committee	Mr. Chow, Chi Fung Taylor
Sustainability Committee	Mr. Andy Wu



▲1st BOG 2012

Chapters Regional Conference

Date of event: 10-11th Aug, 2012

The 15th Region XIII Chapters Regional Conference (CRC) was held on 10 to 11th August 2012, in Kuala Lumpur, Malaysia. In the CRC, all seven chapters - Hong Kong, Indonesia, Malaysia, Philippines, Singapore, Taiwan and Thailand gathered for this annual event.

A Half day seminar on "Achieving High Performance and Occupant Comfort in Green Building" was conducted by Dr. Peter Simmonds and Ir Chen Thiam Leong. The seminar was informative and in-depth, we have learnt a lot from it. Their insight in a well-coordinated green building would be helpful for everyone.

During the endless conference, we had a lot of fun. The most memorable was the dinner with all friends from the seven chapters, including committees and students from study tour. The Malaysia Chapter had contributed a lot in the event and had a wonderful arrangement. Ours student, our future leaders held a wonderful performance. The study tour encourages our student to form an international network, which will be great for their future.

The 15th Region XIII CRC was a great successful. We shall keep the good tradition up and strength ASHRAE.



Success comes from a good start; learning from the past and planning well in the beginning of the year makes ASHRAE Hong Kong Chapter be more strong and sustainable. That makes this Retreat event so important for our continuous success.

Excellent Idea Exchange

This year, we selected Tai Tam Scout Camp as the venue for this important event. With its beauty environment at Tai Tam Bay in the Southern District of Hong Kong Island, we had a wonderful time for fun and idea exchange among our 24 people including officers, committee chairs, co-chairs and student advisors.

Remarkable Year Plan

The event kicked start by our Mr. Albert Lo, newly elected president of the year. He mentioned about the focus and objectives of the year, followed by each of the committee chairs presenting their strategies and year plan. And they got a lot of good feedbacks from the audience.

Fun Games

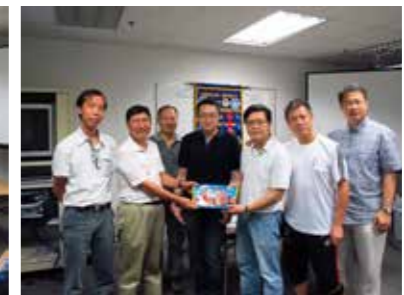
After those serious topics, our Ms. Tracy Pang, newly elected president-elect had prepared some interesting games for the group; it talked about team spirit and leadership. Those games were so fun that everyone were enjoyable and had a remarkable moment with others.

We ended this wonderful event by taking a picture as shown below. Everyone was leaving the camp with excitement and happiness

Thomas Chan

Secretary (2012-2013)

ASHRAE Hong Kong Chapter



Date of event: 7th July 2012

Retreat 2012

China Joint Symposium 2012
 "Liveable Urban Environment: Engineering Mission"
 Date of event: 29-30th June, 2012

The Fujian -Hong Kong Joint Symposium 2012 had been held successfully from 29-30 June 2012. There were about 140 participants attending this event. They came from Hong Kong 4 Institutions (ASHRAE, HKIE, CIBS and PolyU) and China for presenting papers, discussion forum and exchange of ideas. This two days event holds every year in different cities of China. Mr. Albert Lo conducted the closing speech for this symposium.

Our president, Mr. Albert Lo gaive a closing speech as follow:

"It is truly an honor to announce that the 14th mainland-Hong Kong joint symposium 2012 is being held in Fujian. The theme of the symposium this year is "Liveable Urban Environment: Engineering Mission". Nowadays, we are suffering from the global warming due to the high level of greenhouse gases such as carbon dioxide in the atmosphere.

As the theme states, there are challenges to relieve the increasing level of carbon for engineering & environmental professionals. However, I believe that it is a great opportunity to share and discuss their valuable experience on low carbon building technology in the symposium in order to achieve a better sustainable environment for our next generation.

On behalf of ASHARE, I would like to take this opportunity to thank the organizing committee team, sponsors and participants for their efforts and contributions in making this event successful."

Albert Lo

President (2012-2013)

ASHARE Hong Kong Chapter



The Joint Symposium has been held on 13 Nov 2012, it was jointly organized by ASHRAE - HK Chapter, CIBSE - HK Branch, HKIE – Building Services Division, and the HK Polytechnic University – Building Services Department. This year, our theme is " ". This symposium brings together international and local speakers and professionals, to meet and discuss approaches to advance sustainable design in all aspects of building and environment. It offers us the opportunity to explore exciting innovation in Ecological Revitalization, keep us proactive and help us shape our future.

Ir Dr. Lo Wai Kwok, member of Legislative Council of HKSAR, contributed his invaluable time for delivering Opening Address for this symposium. Also, Mr. George Adams, President-Elect of CIBSE – United Kingdom, who had travelled a long distance to deliver Keynote Speech for this symposium.

Throughout the Coffee break and lunch break, participants were able to explore the trade show at the exhibition area, where they found number of discoveries, demonstrations and samples of the latest technologies.

I would like to once again extend my gratitude to our guests, speakers, all the participants and as well as all the sponsors. I would also like to give my sincere thanks to members of the organizing committee, for their hard working in making this symposium a success.

Dr. Dennis Tung

Membership Promotion Chair (2012-2013)

ASHRAE Hong Kong Chapter



Hong Kong Joint Symposium 2012
 "The Challenge of Building Innovation in Ecological Revitalization"

Date of event: 13th November, 2012

Joint Technical Visit
Zero Carbon Building & CLP Greenplus Resort
 Date of event: 20th October 2012

ASHRAE Hong Kong Chapter had joint organised a joint technical visit on October 20th, 2012, to the Zero Carbon Building at Kowloon Bay. The activity is jointly organized by ASHRAE Hong Kong Chapter, the HKIE BS Division and CIBSE HKB. A total of 25 members joined the technical visit. The building is still closed and not yet opened to the public.

During this visit, Mr Ken Chow, the officer of the Zero Carbon Building, gave a detail introduction to the special features, operation and benefit of the building. In the visit, participants have the opportunity to know various green facilities and equipment. Finally, interactive discussions were carried out and all of our members enjoyed this technical visit.



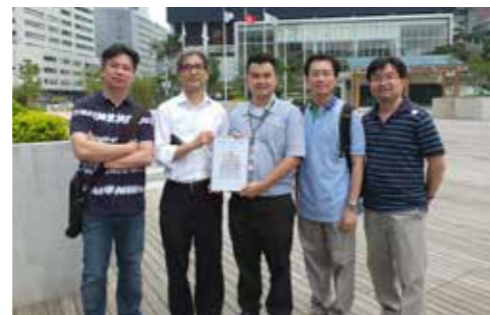
(From left to right) Ir Dr. Jacob Yiu, Ir K T Cheuk, Mr Cecil Man and Mr Albert Lin presented souvenirs to Mr Ken Chow (Middle), Representative of Construction Industry Council.

ASHRAE Hong Kong Chapter had jointly organized a technical visit to “CLP GREENPLUS Resort” on 6 October 2012 (Saturday) with HKIE Building Services Division and CIBSE Hong Kong Branch.

CLP GREENPLUS Resort, is a new fully interactive Energy Efficiency and Conservation showroom located in Yuen Long, has been opened since April 2012. It is an approx. 1000 sq. ft exhibition area displaying practical ways to harness renewable energy technologies as well as energy efficient lighting, air-conditioning and heating systems for outdoor settings.

In this morning, a total of 14 members attended the technical visit. The representative of CLP, Mr. Tommy H.S. Lam provided a comprehensive introduction on practical applications of energy efficient technologies for our members to have better ideas about the applicable energy efficient and conservation solutions for helping commercial and industrial firms to develop their real-life energy efficient solutions available on them, and the saving on offer.

He also shared his experience on applications of renewable energy technologies. In this showroom, our members learnt various energy savings advices through the interactive media exhibits which could be integrated into their life as well as business operations.



ASHRAE Study Tour is one of the yearly student activities. Similar to the last year, there were 15 participants in total including students from the City University of Hong Kong (CityU), the Hong Kong Polytechnic University (PolyU), the University of Hong Kong (HKU), the University of Science and Technology (HKUST) and Hong Kong Institute of Vocational Education taking part in this Malaysia study tour from 9th August to 15th August in 2012 summer.

To study the building and engineering technologies in Malaysia, students have visited three interesting green building projects including ST (Suruhanjaya Tenaga) Diamond Building, GEO (Green Energy Office) Building and LEO (Low Energy Office) Building. They have also visited the Ministry of Energy, Green Technology & Water (MEGTW) and the Malaysian Green Technology Corporation (GreenTech Malaysia) for discussion on green building technologies. To learn about the manufacture process of HVAC equipment, they have visited Truwater Cooling Towers, Welcome Air-Tech (AHUs) and Nicotra-Gebhardt (fans). An interesting visit has also been made to a sustainable building consulting firm IEN Consultants to exchange ideas on green building projects.

By joining this study tour, students' interests in HVAC&R technologies are enhanced by talks, seminars and visits. The seven days study tour was a valuable experience for students to broaden their view by culture exchanging and experiencing engineering industry. During these seven days, students joined various excellent activities such as ASHARE Regional XIII Chapters Regional Conference (CRC) and banquet dinner. CRC allowed students to understand the new technology in engineering field and meet more friends in Regional XIII Chapters. The seminars also focused on energy saving and green building.

Apart from technical visits and seminars, students prepared an excellent performance for the banquet dinner. Practicing the performance built up their friendships and developed their talent.



Student Study Tour
Malaysia

Date of event: 9th to 15th August, 2012

Joint Technical Seminar

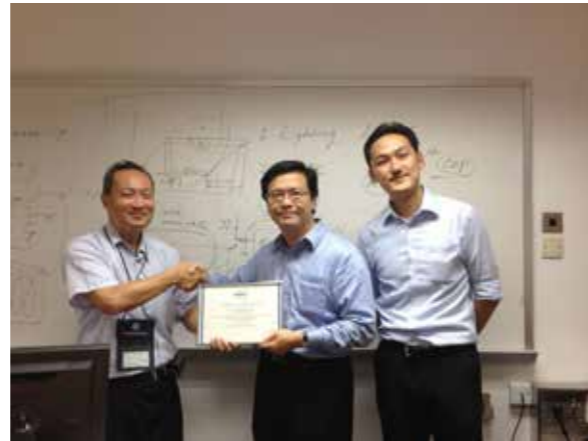
The Green HVAC Concept - HVAC System Renovation in Existing Buildings

Date of event: 12th October 2012

ASHRAE Hong Kong Chapter had organized a joint technical seminar titled “The Green HVAC Concept - HVAC System Renovation in Existing Buildings” on 12 October 2012 (Friday) in Room QR403, The Hong Kong Polytechnic University. The seminar is co-organised with HKIE-BSD and CIBSE HK Branch.

In the evening, over 100 participants attended the technical seminar. In the beginning, Dr. S.L. Wong, Chapter Technology Transfer Committee Chair, delivered a welcoming address to all participants and introduced the background of honorable speaker, Dr. Yang Kuan Hsiung, who is the Distinguished Lecturer of ASHRAE.

During the seminar, Dr. Yang presented a series of green concepts on different aspects of building design. His presentation was supported with various case studies and results cited. During the Q&A session, participants actively raised questions and demanding more details of the various concepts presented during the seminar and other green building design and implementation. Dr. Yang has provided more details so as to be able to satisfy such enquiries. The seminar was finally ended at 9:00p.m. Mr. Albert Lo, President (2012-13), represented ASHRAE Hong Kong Chapter to present Certificate of Appreciation and expressed gratitude to Dr. Yang for conducting such valuable seminar. Finally, a dinner is hosted by the organizing committee with Dr. Yang for his valuable contribution.



How *did you join the HVAC industry?*

When I was a kid, my family did not have an air-conditioning unit in the flat. There was only a rotating fan there. It was so hot in summer and was difficult to fall in sleep in the hottest day. It inspired me to join in the HVAC industry for improving the quality of life of human being.

When *did you join ASHRAE?*

I joined in ASHRAE in 1995. I participated in the committee meeting of the Hong Kong Chapter after joining in ASHRAE. I had served the Chapter as Honorable Secretary for two years before be elected to be a Chapter President in 1998.

After my presidency, I have been serving different working committee in the Chapter for more than ten years. I was delighted to be elected as the Regional Vice Chair of the Chapter Technology Transfer Committee in Region XIII of ASHRAE in 2004. My term of service was three years, i.e., 2004 – 2007.

What *was the most memorable experience for you in ASHRAE?*

When I was the Regional Vice Chair of the Chapter Technology Transfer Committee in Region XIII, I was assigned to be the chairman of the assessment board of ASHRAE Technology Award in ASHRAE. I was required to work with the team members coming from different regions in USA and other countries over the world. At that time, the assessment meeting was held for two days in a hotel in Atlanta, USA. Its role was to review different HVAC project submissions for conferring the ASHRAE Technology Award.

How *do you see the industry in the coming future?*

The heating, ventilation and air-conditioning installations have played an important part in the building as our quality of life had been improved in last three decades. There is a niche for the further development of HVAC industry as the requirement of energy consumption is becoming tightened by the Authorities. Our knowledge of saving energy in the design and the operation of HVAC equipment is paramount in the coming future.

Anything *you want to say to our young engineer?*

I would like to give a word of “LOVE” to our young engineer. “LOVE” is formed by four characters, i.e., L – stands for Life, O – stands for Opportunities, V – stands for Voice and E – stands for Ethic.

Our young engineer shall grasp the golden working Life in their career path and equipped themselves to be a professional engineer. There would be a lot of Opportunities for our young engineer to climb up their ladder. They should Voice out their needs or questions in their works. This would help them feedback their understanding of the work to their superior in the company. Ethic is particularly important to a professional engineer. Our young engineer should have certain extent of their standpoint to maintain the ethic in their working life.



▲Group Board of Governor meeting in 1995

Leadership Interview with Alan Lam

Research Promotion

RP Walk - Tung Chung to Tai O on 18th Nov 2012

Since 2010, ASHRAE HKC Research Promotion (RP) committee created the health hiking activities with members. This year, we increased the challenges in walking a little longer distance – walking from Tung Chung to the Venice to Hong Kong – Tai O, with total walking distance of approximately 17 km.

The day of event was not very pleasing, since the entire trip was accompanied with misty rain. However, the minor resistance would not stop our persistence engineers. We started at 9:00 and finished around 14:00. The 5-hour-trip was full of fun, friendship and sharing.

We were lucky to see the Chinese White Dolphin during the trip and having organic food in Sum Wan. The food was exceptional delicious after we strive for it, and more fun with friends in the ASHRAE family.

Thanks for your continue support and we rose approximately HKD\$30k for the RP of ASHRAE.



RP WALK 2012



Young Members Committee

Leather Workshop - 20th Oct 2012

ASHRAE YMC Event Series --- Leather Workshop was successfully held on 20 Oct 2012 at Glamour Leathershop, which is located at Kwun Tong. There were total 12 participants in this event. All necessary materials and tools, such as Italy leather and hammer, were provided by the workshop. Participants who were taught and supported by experienced leather product designer made their unique “Coin Case” after the workshop. A wide range of “Coin Case” design was produced by participants. This variety shows creativity of young members. Everybody got satisfaction from their own products and have learnt to cooperate with others, tackle encountered problems and enrich techniques on making leather product. They also met new friends from this valuable opportunity. ASHRAE Hong Kong Chapter was promoted in an easygoing environment.

It is pleased that Mr. Albert Lo, ASHRAE Hong Kong Chapter President, has visited the event and taken a group photo with participants.



Oxfam Trailwalker 2012 – Team #702: Still Alive

“Life is full of challenges!” Our young engineers decided to challenge themselves with the 100-kilometer walk for the Oxfam this year.

On 16th November, our young engineers Andy, Joao, Steven and Wyman began their long journey from Sai Kung to Yuen Long through the Maclehoise Trail Hong Kong. Being engineer tough, so the nature gave them more challenges by raining heavily during the night. No matter what the challenges are, the four members supporting each other and finished the trial in 29 hrs 55 min, in a full team.

“Among four of us, I am the weakness, as I am the fattest, hence, slowest. Even I walked slowly and injured in last 40 km, I hadn’t thought of giving up in the event, because my teammates were very supportive, like brothers. Alike a car, if one of the wheels is defective, the other three are taking more pressure and hardly walk. I deeply appreciated their support and toleration. Apart from my brothers, I also thanks for the support from all donors, especially, the committees of ASHRAE Hong Kong Chapter!” Said Joao, the chair of Publication and Newsletter



Student Activities

The ASHRAE Hong Kong Chapter Student Branch AGM was held on 13 October 2012. Over 70 nos. of student members, student branch committee and Hong Kong Chapter committee participated in this important annual event. The handover ceremony of each Student Branch were performed and their new committee were introduced. It was our pleasure to have Dr. Sam Hui to conduct a presentation on Headquarter's latest news on Student Activities. The whole function end up with a student performance and all participants were enjoyed.

Below are the new Student Branch President and Immediate Past President for information

Student Branch	Position	Name
PolyU	President	Frapo Chan
	Immediate Past President	Henry Lam
CityU	President	Margaret Wong
	Immediate Past President	Billy Luk
HKU	President	Michelle Law
	Immediate Past President	Irene Kwan
IVE	President	Harvey Go
	Immediate Past President	Jimmy Jim
HKUST	President	Carlos Chan
	Immediate Past President	Alex Lui



*Students Are Our Future!!!
Supporting and Caring them are
our objectives!!!*

Membership promotion

New Member Benefit

Beginning July 1, 2011, the decision was made to provide a complimentary 12-month subscription to ASHRAE Handbook Online to all new Members and Associates with an election date of July 1, 2011 and onward, since they will not receive their print or CD Handbook until June, 2012. The new members and associates will receive an email message with instructions on how to access their complimentary Handbook Online subscription. This is a one-time benefit for new members, and at the end of their subscription, they will be prompted to renew the Handbook Online at the \$49 member rate.

CTTC

Activities from CTTC in 2013

October 2012	Prof. Kuan Hsiung Yang, Distinguished Lecture on The Green HVAC Concept – HVAC System Renovation in Existing Buildings
December 2012	Mr Dennis Knight, Distinguished Lecture –Integrated Building Design & Building Information Modeling
February 2013	Mr Merie McBride, Distinguished Lecture for ASHRAE Night 2012 - Advanced Energy Design Guides (AEDG)
April 2013	Mr Roberto Aguilo and Mr Om Taneja, Technical Workshop – Operation & Maintenance for HVAC Systems
May 2013	Mr James Newman, Distinguished Lecture - Energy and Sustainability in Existing Buildings - Being “Green” and Saving Green with Energy Audits

Merry Christmas

Window of ASHRAE HKC 's Family

