



ASHRAE LINK | APRIL 2014

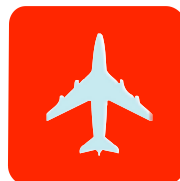
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|--------------------------|---------|
| Mr Edwin Tao | 1984-85 |
| Mr Samuel Wong | 1985-86 |
| Mr Terry Berrecloth | 1986-87 |
| Mr Brian Hunter | 1987-88 |
| Mr Chun-on Synn | 1988-89 |
| Mr Alan Thompson | 1989-90 |
| Mr Vincent Tse | 1990-91 |
| Mr Rick Kroos | 1991-92 |
| Mr Daniel Chan | 1992-93 |
| Mr Wong, Wai-Kwong | 1993-94 |
| Mr Roger Chu | 1994-95 |
| Mr Francis Pang | 1995-96 |
| Dr Philip Yu | 1996-97 |
| Mr Wai-Keung Pau | 1997-98 |
| Mr Alan Ying-wai Lam | 1998-99 |
| Dr T T Chow | 1999-00 |
| Mr Edward Tsui | 2000-01 |
| Mr Victor Yiu | 2001-02 |
| Dr Raymond Yau | 2002-03 |
| Mr Vincent Chu | 2003-04 |
| Mr Tim Cheng | 2004-05 |
| Mr Chan, Tsz Kin | 2005-06 |
| Dr Sam C.M. Hui | 2006-07 |
| Mr Li, Siu Lam | 2007-08 |
| Mr Chan, Ka Lung Raymond | 2008-09 |
| Mr Tang, Chi Hang Calvin | 2009-10 |
| Ms Mo, Cheung Ying Eagle | 2010-11 |
| Mr Lin, Wan Fuk Albert | 2011-12 |
| Mr Lo, Chan Kit Albert | 2012-13 |
| Ms Tracy Pang | 2013-14 |



美國供暖製冷及空調工程師學會 香港分會
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MESSAGE FROM PRESIDENT



This is my great pleasure to be the second woman president for the ASHRAE Hong Kong Chapter after our first woman president, Ms Eagle Mo for the year 2010-2011. I would like to take this opportunity to thank you the nominating committee for nominating and the members for electing me as the president for the year 2013-2014 for the ASHRAE Hong Kong Chapter. I also need to thank you the continuous support from the governors, officers, committee chairs and members in all these years.



Ms Tracy Pang
President
(2013-2014)
ASHRAE Hong Kong Chapter

I joined ASHRAE Hong Kong Chapter as a student branch president at 2003, it was the 20th anniversary for the chapter. It is interesting that for my presidential year, 2013-2014, which is the 30th anniversary for the ASHRAE Hong Kong Chapter, so the this year is a very meaningful and important year to me. It is representing the ASHRAE Hong Kong Chapter have been serving the industry for 30 years and I have been serving the chapter for 10 years.

So I would like to share with you on some event highlight for this year. First of all is our 30th Anniversary Dinner to be held at Kowloon Shangri-La hotel on 14 April 2014. Since we had a very fruitful time in the past 30 years, all those good memory will be recoded in our 30th Anniversary Booklet which will be distributed during the 30th Anniversary Dinner. Task forces had been set up to plan and organize the booklet and events for our 30th Anniversary celebration. I hope our members will be enjoying an interesting year with all those 30th Anniversary celebration events.

Apart from the 30th Anniversary celebration, I would like to further develop the ASHRAE Hong Kong Chapter in the following aspects.

Membership

Member is the core for the ASHRAE Hong Kong Chapter, we concerns our members' needs and care about their benefit. We are aiming to further improve our chapter programs provided to our members in terms of bordering the variety of area from focusing on HVAC&R to sustainability design; expanding our membership range from engineers to architect. Some of you may aware that the chapter dues is adjusted from USD 15 to USD 20, which we hope our chapter activities will be further enriched by the enhanced resources.

Macau Section

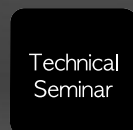
The Macau Section of ASHRAE Hong Kong Chapter is established in 2010, I would like to keep on promoting the Macau Section to the Macau industry by firstly enhancing the network among our Macau members. Technical seminars and visit will be held at Macau for knowledge sharing with the local Macau institutions.

Operation of the Chapter

Our past president, Mr Calvin Tang, started to set up a limited company for ASHRAE Hong Kong Chapter in his presidential year in 2009-2010. After these few years preparation, now, I'm so glad to inform you that the limited company have be effectively operated on 1 July 2013. From that moment on, all the ASHRAE Hong Kong Chapter events will be operated by the ASHRAE Hong Kong Chapter Limited with our members' benefit keep unchanged. This move facilitates the chapter to have a better operation and limit the liability to the chapter members.

Finally, I would also like to make special thanks in advance to all committee chairs and members, so as the officers and governors. I am sure that this year will be another exciting and interesting adventure for all of us with your great support and continuous contribution to the chapter, I hope every one of you will enjoy this fruitful journey with us.

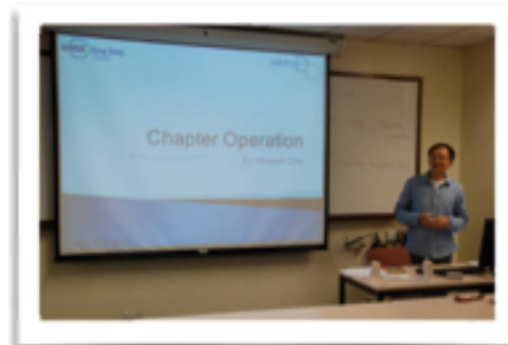
HK CHAPTER RETREAT



“Retreat” is the first event being held for the committee in the year term 2013-2014. This year Retreat was held at PolyU on 15 June 2013 with 30 committee members joining and we all enjoyed a very fruitful afternoon. The agenda of Retreat covered various aspects and mostly focus on the history of ASHRAE and the operation of the Hong Kong Chapter. Retreat is not a sit down lecture, therefore some mini-games were included in the program to enrich the involvement of the participants and provide a more interactive environment. Committee experienced the importance of communication and cooperation through the team building games, as they were only allowed to use the set of communication protocol set up by them to transmit a message without using their mouths and eyes. One of the governors of Hong Kong Chapter, Mr Vincent Chu also chaired a session in the Retreat to talk about the chapter operation and the “Robert’s Rules of Order”. He shared with the committee about the way to conduct an effective meeting by following the “Robert’s Rules of Order”.



2013 Group Photo for Retreat (2013-2014)



Chapter OpChapter Operation by Governor Vincent Chu



Team discussion for the mini-games



Team building Game



INDONESIA STUDY TOUR 2013

By Dr. Sam C. M. Hui

A technical study tour to Indonesia has been organized jointly by the ASHRAE HKU, CityU, PolyU, HKUST and IVE Student Branches with the support from ASHRAE Hong Kong Chapter (www.ashrae.org.hk). 21 students have joined the study tour on 26 August to 1 September 2013. The students have worked together to prepare for the study tour. They have attended the ASHRAE Region XIII Chapters Regional Conference (CRC) 2013 and conducted academic and cultural exchanges with students and professionals in Indonesia and other countries. They have visited the University of Indonesia, the Bandung State Polytechnic, a green campus project at the Prasetya Mulya Business School, a green office building at Bumi Serpong Damai (BSD) City, the Indonesia Miniature Park, a dormant volcano at Tangkuban Perahu (West Java) and the Thousands Island. The journey is very interesting and informative. It provided very good opportunities to understand the culture, universities and green building projects in Indonesia. The next study tour to Taiwan will be held on 15-21 August 2014. Further information can be found on "www.ashrae.org.hk/studytour/".



Faculty of Engineering of the University of Indonesia (UI)



Bandung State Polytechnic (POLBAN)



Museum of Indonesia at the Indonesia Miniature Park



Green campus project at the Prasetya Mulya Business School



Meet ASHRAE Taiwan Chapter students at the CRC



Meet the ASHRAE President and staff at the CRC

JOINT SYMPOSIUM 2013

By Mr Tenny Tam



A joint symposium, which was organized by ASHRAE Hong Kong Chapter, CIBSE Hong Kong Branch and HKIE Building Services Division, was held on November 12, 2013 at the Kowloon Shangri-La Hotel. The main theme in this year is Innovation and Technology for Built Environment. We had various speakers to talk about the codes and guidance, design and research, operation and application, maintenance and performance management. We had also invited our ASHRAE Fellow, Dr. Chandra Sekhar, to go through the concept of oversized air-conditioning systems and overcooled buildings in hot and humid climates. There were over 200 audiences to join this symposium and we all learnt a lot from it. We also got a mouse as a souvenir during the symposium!

INNOVATION AND TECHNOLOGY FOR BUILT ENVIRONMENT

CONFERENCE THEMES

This symposium is an annual event intended to bring together international and local speakers to foster all aspects of advances in building design and building services engineering. Sub-themes of the symposium include:

- Codes & Guidance
- Design & Research
- Operation & Application
- Maintenance & Performance Management

- 09:00 - 09:05** Welcome Address:
Mr. Stanley Chow Wai-Yip,
Chairman (Symposium Organizing Committee), *CIBSE HK Branch*.
- 09:05 - 09:15** Opening Address:
Mr. Frank Chan Fan, JP,
Director of Electrical and Mechanical Services, *HK SAR Government*.
- 09:15 - 09:45** Keynote Speech:
Mr. Stephen Matthews, Chief Executive, *CIBSE, UK*.
- 09:50 - 11:20** SESSION 1 : Codes & Guidance.
- 11:20 - 12:35** SESSION 2 : Design & Research
- 12:35 - 13:45** Lunch & Luncheon Speech:
Mr. John Cheung, Chairman, *CIBSE HK Branch*
- 13:45 - 15:30** SESSION 3 : Operation & Application
- 15:30 - 16:45** SESSION 4 : Maintenance & Performance Management
- 16:45 - 17:00** Closing Speech:
Ir Dr. PL Yuen, Chairman, *HKIE Building Services Division*

Joint
Symposium 2013

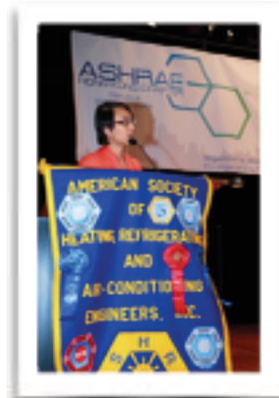
12 November 2013 @ The Kowloon Shangri-La, Hong Kong



ASHRAE NIGHT 2014

By Mr Michael Sung

ASHRAE Night was held on 7 January 2014. There were over 100 participants from the industry this year. The event started with a cocktail reception and a welcoming speech by our President, Ms Tracy Pang. ASHRAE activities, such as membership grades, member's benefits and Research fundraising programs, were introduced by Mr. Thomas Chan, Mr. Michael Sung and Mr. Tenny Tam. On behalf of the Research Promotion Committee, we would like to give our vote of thanks to all research fund donors for their generous support to ASHRAE Research.



Speech by our President Ms Tracy Pang



Speech by Prof. Jianlei Niu

In front of all VIPs, members and guests, the Nomination Committee 2013/14 was elected as follows.

- Mr. Vincent Chu
- Mr. Cecil Man
- Mr. Jacky Ng
- Mr. Vicki Poon
- Mr. Calvin Tang

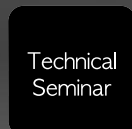
One of the highlights this year was the presentation of Fellow Membership to Prof. Jianlei Niu. Fellow Membership is a high honour to ASHRAE Members in recognition of their contribution to ASHRAE and the industry. Congratulations! Prof. Niu and thank you for your support to ASHRAE activities in the past years and the your technical sharing "Building Energy Efficiency : Opportunities from Advance Materials for Envelope, Windows and Environmental Control Systems" for ASHRAE Night 2014.



Prof. Niu and our President Ms Tracy Pang



Our President Ms Tracy Pang and Committees



RESEARCH PROMOTION WALK

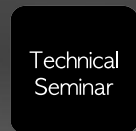
By Mr Joao Wong

Since 2010, the Research Promotion (RP) Committee of ASHRAE Hong Kong Chapter has held the "RP Walk" for our member. The walk aims to remind our member in having exercises amid their packed schedule; to enjoy the nature environment; to strength the relationship of member and to rise funding for the ASHRAE Research. This year the RP Committee organized an educational walk in the Mai Po nature reserve of Hong Kong with the World Wild Fund (WWF), which allows the members to enjoy the event with their family.

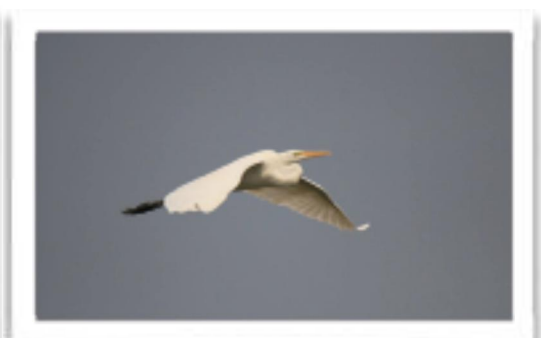
The RP walk took place on 16 November 2013, which was a sunny day with moderate temperature perfect for walking. We have totally 56 participants including kids, student, and professionals. On the day we started walking from 10:00 and finished at 13:00. The 3-hours flew away quickly with a lot of fun and friendship, as well as the interactive guiding by the nature interpreter of WWF.

During the walk, we traveled across the fishpond, the gei wai, the mangrove and the reedbed. We also observed different kind of sensational bird in Hong Kong on the trail and in the observation house. The Mai Po reserve shows the nature and its magic to us, but unfortunately, that the tour was only 3-hours and we could not reach deeper of the reserve and experience more magical moments with the birds and nature.

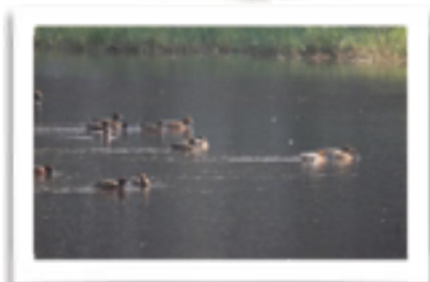
Thanks for your continuous support to ASHRAE and we raised over HK\$40k this year and donated part of it to WWF. We hope the walk reminded our members to treasure and preserve the nature environment which is priceless. And ASHRAE will continue our research to enhance the building performance, hence, reduction of carbon footprint.



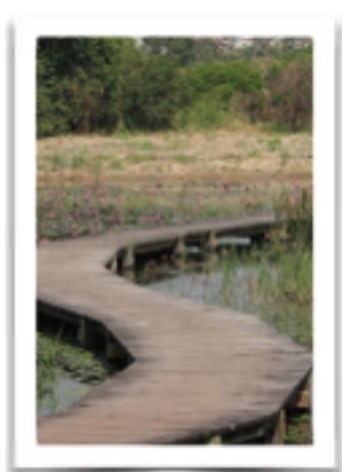
Two lady Presidents: Miss Eagle Mo and Miss Tracy Pang



Sensational bird at Mai Po nature reserve



Nature environment at Mai Po nature reserve



Nature environment at Mai Po nature reserve



RP walk



YOUNG MEMBERS COMMITTEE

By Miss Moka Lai

Marionette Show

The ASHRAE YMC organized a cultural visit related to the Marionette Show at Sai Kung on 2 September 2013. Marionette show is usually held in Yu Lan Ceremony, which performs a drama by controlling marionette with bars and wires. These activities in 2011 were listed into the third Chinese national intangible cultural heritage list.



ASHRAE YMC member



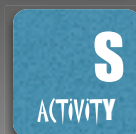
Marionette Show

Latte Art Workshop

The Latte Art Workshop was organized on 17 November 2013. Nowadays, people not only focus on the taste of a cup of coffee, but also the enjoyment of our sense of sight. Latte art is well developed in the world, following the type of espresso and the development of microfoam. Latte art is a method of preparing coffee which is created by pouring steamed milk into a shot of espresso and resulting in a pattern or design on the surface of the resulting latte. It can also be created or embellished by simply "drawing" in the top layer of foam. In this workshop, it also provided a great opportunity to meet new friends through the class and learn how to produce a nice latte.



Nice Latte Art



YOUNG MEMBERS COMMITTEE

By Miss Moka Lai

Pearl River Delta Delegation

There are 4 ASHRAE YMC committees joined the Pearl River Delta Delegation on 12-14 October 2013. This delegation was jointly organized by 18 professional societies and supporting organizations from urban development, engineering, construction and more. The event officially embarked on the introduction to the Hong Kong-Zhuhai-Macau Bridge project, followed by the site visiting to the artificial island at Gongbei of Zhuhai. The delegation provided the opportunity to have a visit to the latest developments in the Pearl River Delta region including Hengqin new area, Taipa new terminal expansion project and the new campus of the University of Macau.



Pearl River Delta Delegation



Our ASHRAE YMC Committees

Site Visit-Ocean Park

The Ocean Park Aquariums visit is held on 23 November 2013. That is a world class qualified and always be the most famous landmark in Ocean Park. Aquariums displays thousands of marine animals and different species may require its own specific living condition in order to live healthily and substantially. To maintain a precise condition in the water, a high standard of water quality control system is installed. In the visit, we looked through different aquariums components and understood the control method of the environmental condition control system.



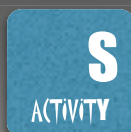
Site Visit at Ocean Park



Joint Society Christmas Party 2013

Joint Society Christmas Party 2013

The party was held successfully on 21 December 2013. There are around 200 gentlemen and ladies from the societies enjoyed a relaxing Saturday night in Causeway Bay. The co-organized societies are included ASHRAE-HKC YMC, HKIE-YMC, IMechE-YES, ICE, ICES, IET YMS and HKWTO etc. After a series of ice-breaking games and lucky draw, participants can improve the relationship between different professional groups.



TECHNICAL SEMINAR

Technical Seminar on Design Analysis of Smoke Management and Egress System in Malls, Atria and Large Spaces On 6 January 2014

A technical seminar with the topic of “Design Analysis of Smoke Management and Egress System in Malls, Atria and Large Spaces” by Prof. Kuan Hsiung Yang, professor of Sun Yat-Sen University, Taiwan, was successfully held on 6 January 2014 at PolyU. The seminar had reviewed the recent development in smoke management system design concept in malls, atria and large spaces using actual design projects for demonstrative examples. Prof. Yang shared his experience on adopting performance-based design concept on some projects by using computer simulation and full-scale experiment as a tool to achieve a higher performance, safer and more cost-effective fire engineering designs. Prof. Yang showed the participants numerous videos of hot smoke tests and full-scale experiments which is very impressive. This seminar had attracted over hundred registration and about 80 people were participated due to the limited seat.



Audiences and Prof. Kuan Hsiung Yang



STUDENT ACTIVITIES

By Mr Patrick Huang



SA Joint Student Branch Annual General Meeting - 12th October 2013

The Joint Student Branch Annual General Meeting (AGM) for Hong Kong University, Polytechnic University, City University of Hong Kong, Hong Kong University of Science & Technology and Hong Kong Institute of Vocational Education was successfully held on 12 October 2013 in Centennial Campus of The Hong Kong University.

The AGM starts off with the Jakarta Study Tour and CRC 2013 Presentation. The attendee reported the tour details including University campus visit, site visit, CRC technical seminars, CRC Banquet dinner and cultural exchanges. Student expressed they had gained much of the technical knowledge and also made many new friends from Region XIII. Appreciation certificates were presented to the study tour advisor Dr. Sam Hui.

After the presentation, the 2012-13 Student Branches presented their annual report and the financial report. Each student branches had a fruitful year packed with seminars, visits and social gatherings. Introduction and election of the incoming student branches followed, applause was given to the incoming student branch representatives. Appreciation certificates were also presented to Student advisors.

Lastly, at the end of the AGM, Sharing Section was conducted - Worldwide Underwater Robotic Contest in Seattle by CMA Secondary School Representatives. This team of students had represented Hong Kong to join an international ROV competition at Seattle which they had set up a booth at ASHRAE HKC Annual Dinner at June 2013 to raise fund for the trip. They achieved a good result from the competition.



Joint Student Branch Annual General Meeting (AGM)



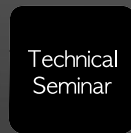
Appreciation certificates were presented to the study tour advisor Dr. Sam Hui



Group Photo of 5 Student Branches



STUDENT ACTIVITIES



By Mr Patrick Huang

Cooling Tower Factory Visit 2014 - 29th March 2014

Organized by ASHRAE Hong Kong Chapter Student Activities, a Cooling Tower Factory visit in DongGuan was held successfully in the morning of 29th March 2014. This visit was one of the main activities of Student Activities Committee. Despite the rainy weather, the visit was still well-attended by 15 students.

Before the visit, The Factory Manager, Mr. Lin Kwok Ming gave students a warm welcome speech and an brief introduction of the Factory. Afterwards, the Factory Engineer, Mr. Chan Man Him gave students a lecture - Technical Introduction of Cooling Towers. The fruitful lecture covers the theories of heat transfer/rejection, type of cooling towers, design and application of cooling towers, installation/maintenance and project case studies.

After the lecture, Students had a chance look at the production line of cooling towers, including the components like drift eliminator, fills, fabric glass and stainless steel tower body etc. Also the students visited the CTI certification testing facilities. An interactive Question-and-Answer and sharing session was held at the end of the visit.

The ASHRAE Hong Kong Chapter would like to thank Ryowo(Holding) Company Limited and Dr. Chan Man Him and Mr. Lin Kwok Ming for their perfect arrangement of the visit. Special thanks were also dedicated to the Student Branch Helpers and Wallace Yip, Chief organizer of the event.

Organic Framing Activities

Co-Organized by ASHRAE Hong Kong Chapter Student Activities and Young Member Committee (YMC), a series of organic farming was held successfully from February to April 2014. This activity was one of the Chapter 30th anniversary activities and was well-attended by many members with their families.

The farmland from "Mission Healthy Greens" was rented for few months, which aimed to provide farming training and activities for members. The mission of the "Mission Healthy Greens" is to promote renewable energy, utilization of natural resources, organic faming, refuse recycle/reuse, food waste recycle etc. From these farming activities, members can understand and experience of Organic farming which promote the Green and low carbon living style.



Welcome speech and an brief introduction by (Factory)



Special thank for Dr. Chan Man Him and Mr. Lin



Group photo for factory visit

