

ASHRAE
HONG KONG CHAPTER

1984-2014
30TH ANNIVERSARY



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30TH
**ANNIVERSARY CELEBRATION OF
HONG KONG CHAPTER** by Mr Taylor Chow



Prof. Bill Bahnfleth deliver a speech



ASHRAE president Prof. Bill Bahnfleth and Hong Kong Chapter Committees

ASHRAE 30th Anniversary dinner was successfully held on 4th April 2014 in Kowloon Shangri-la Hotel. We are glad that our ASHRAE president Bill Bahnfleth to be our honorable guest. Furthermore, our ASHRAE friend from Region XIII including past DRC, regional office and other chapter president came to celebrate our 30th anniversary event. We also invited symphonic band of St. Joseph's Anglo- Chinese School to give a performance to our guest. If you miss this chance to join our annual dinner, please join us next year.



Prof. Bill Bahnfleth and our Chairlady Ms. Tracy Pang

ASHRAE PRESIDENT, PROF. WILLIAM BAHNFLETH, VISIT TO HONG KONG & MACAU

by Ms Tracy Pang



Prof. Bill Bahnfleth and his wife, Mary, visited Macau



Ms. Tracy Pang and Chapter Treasurer, Dr. Dennis Tung went to Macau with Bill and Mary to Macau with friends from Malaysia Chapter, Mr. Ng Yong Kong and Ms. Irin,



Prof. Bill Bahnfleth and his wife, Mary, visited Hong Kong

ASHRAE PRESIDENT , PROF. WILLIAM BAHNFLETH, VISIT TO HONG KONG & MACAU

by Ms Tracy Pang

ASHRAE President, Prof. William Bahnfleth (Bill) and his wife, Mary, visited Hong Kong and Macau at April after their trip to Beijing. Chapter President, Ms. Tracy Pang and Chapter Treasurer, Dr. Dennis Tung went to Macau with Bill and Mary to Macau with friends from Malaysia Chapter, Mr. Ng Yong Kong and Ms. Irin, where they had enjoyed a lot on the good food and nice view of Macau.

This was the first time of Mary's visit to Hong Kong, so Tracy and Dennis took Bill and Mary up to the peak to have an overview of the harbor view and introduced them the tall buildings along the harbor sides.

Other than sight-seeing, Bill had a meeting with the Hong Kong Institution of Engineers (HKIE) accompanied by the chapter officers and governor and the Region XIII, Director and Regional Chair – Mr. Edward Tsui, to understand more on the collaboration among HKIE and ASHRAE in Hong Kong. HKIE participants included, President – Ir Raymond Chan, BS Discipline Representative – Ir Thomas Chan, Chief Executive and Secretary – Mrs Monica Yuen and Director of Qualifications – Mr. Albert Chow. After the meeting, Bill was invited to sign on the HKIE guest book, a souvenir from HKIE was received by Bill. ASHRAE HK Chapter also prepared the 30th Anniversary Booklet as a souvenir to HKIE in return.



ASHRAE president Prof. Bill Bahnfleth and HKIE



Bill and HKIE participants Ir Raymond Chan, Ir Thomas Chan, Mrs. Monica Yuen and Mr. Albert Chow



Souvenir from HKIE was received by Bill



Bill was invited to sign on the HKIE guest book

ASHRAE TECHNOLOGY AWARD 2014 – HONORABLE MENTION

by Ms Tracy Pang



Hong Kong Chapter had awarded the Honorable Mention for the ASHRAE Technology Award 2014



ASHRAE Technology Award is for recognizing the ASHRAE members who design or conceive an innovative technological concept which incorporate ASHRAE standards for effective energy management, indoor air quality (IAQ) as well as good mechanical design and highlight technological achievement of ASHRAE to others, including associated professional and societies worldwide, as well as building and facility owners. There are various categories for the technology award:

- Commercial Buildings - (New & Existing)
- Institutional Buildings
- Educational Facilities (New & Existing)
- Other Institutional (New & Existing)
- Health Care Facilities - (New & Existing)
- Industrial Facilities or Processes - (New & Existing)
- Public Assembly Facilities- (New & Existing)
- Residential Buildings - (New & Existing)

Hong Kong Chapter had awarded the Honorable Mention for the ASHRAE Technology Award 2014 under the category of Commercial Building for the energy optimization design of the International Commerce Centre which resulted in saving up 30 million kWh annually for the building. The honor is achieved by the joint effort from various parties, including the university professor, building owner and the building management company. The award was presented to the recipient during the 30th Anniversary Dinner on 14 April 2014 by the ASHRAE President.

The award was presented to the recipient during the 30th Anniversary Dinner by the ASHRAE President Prof. Bill Bahnfleth

ASHRAE HONG KONG CHAPTER - EDWIN TAO SCHOLARSHIP 2013/14 PRESENTATION by Mr Patrick Huang

ASHRAE Hong Kong Chapter is delighted to announce the ASHRAE Hong Kong Chapter Edwin Tao Scholarship 2013/14 recipients for Bachelor degree and Sub-degree category. Our distinguished Selection Committee has evaluated and selected candidates according to their academic performance, participation in ASHRAE functions, other extracurricular activities and community services as well as interview performance.

The successful candidates are:

Award	Recipient	Institution
<u>Sub-Degree Category</u>		
Sub-Degree Diamond Award	Ms. CHAN WING KI	Hong Kong Institute of Vocational Education
Sub-Degree Gold Award	Mr. CHEUNG WAI PAN	Hong Kong Institute of Vocational Education
Sub-Degree Silver Award	Mr. LIAO WENTAO	City University of Hong Kong
<u>Degree Category</u>		
Degree Diamond Award	Mr. YEI TAK HAY JERRY	The University of Hong Kong
Degree Gold Award	Ms. WONG TSZ YAN	City University of Hong Kong
Degree Silver Award	Mr. LO YUK SHING	The Hong Kong Polytechnic University

The awards were presented in our 30th Anniversary Celebration Dinner held on 14 April 2014.

This year we received 14 highly talented applications, making the selection process extremely difficult for the selection committee. We applaud the 6 awarded students on the success of their application making it through a highly competitive review process.

On behalf of the Selection Committee, we would like to congratulate and wish them all the best in future endeavors.

ASHRAE SUSTAINABILITY COMMITTEE TECHNICAL SEMINAR-“PRACTICAL USE OF OPERATING DATE - EXPERIENCE OF SWIRE PROPERTIES”

by Mr Alvin Lo

Building Sustainability technical seminar with the topic of “Practical Use of Operating Data – Experience of Swire Properties” by Ir Cary Chan was successfully held on 17 April 2014 at Hong Kong Polytechnic University. This seminar had attracted over 60 registrations and about 50 people were participated.

About the Speaker

Ir Cary WH Chan is currently responsible for overseeing the sustainability policies and strategies for Swire Properties. Over the years, he has carried out a lot of researches and energy saving initiatives with substantial improvements in energy performance of buildings.

Presentation

This presentation illustrated the engineering of an intelligent energy management solution that will considerably reduce energy consumption, both by systematically avoiding energy wasting in buildings and by knowledge-based holistic optimization of energy consumption. The intelligent energy management solution was based on existing knowledge representation technologies like functional modeling, which was used in the context of smart buildings in combination with Building Automation Systems.

This presentation demonstrated how this knowledge based energy management system works in Swire Properties and shared the experience with the attendance.



Technical seminar by Ir Cary WH Chan



Audiences and Ir Cary Chan



Q&A Interaction



Appreciation to Honorable Speaker

TECHNICAL WORKSHOPS ON “WATER SIDE COMMISSIONING” by Mr Cecil Man

Speakers: Mauro Montello, Jack Porrini, Fabio Zambon & Tom Pak



The Technical Workshop in full house



135 participants attended the workshop that evening



Participants were particularly attentive during the experience sharing session on the Singapore Sports Hub case study.

ASHRAE Hong Kong Chapter had organized a technical workshop titled “Water Side Commissioning” on 24th June 2014 (Tuesday) in Jupiter Conference Room, Wanchai Conference Centre, 17/F, East Town Building, 41 Lockhart Road, Wanchai. The seminar is jointly organised with BEAM Society Limited.

The workshop started at 6:30pm in that evening. 135 participants attended the technical workshop. In the beginning, Mr. Cecil Man, Chapter Technology Transfer Committee Chair (2013-14), delivered a welcoming address to all participants and introduced the background of the speakers. All of them have extensive design and commissioning experiences in Chiller systems and water balancing in buildings.

The workshop was divided into 2 sessions. During the first session, Mauro Montello, Jack Porrini & Fabio Zambon shared the design and commissioning experiences in the Singapore Sports Hub. During the second session, Tom Pak provided insight on a new approach of water balancing and a technique that can help to save energy for chilled water system at the on/off valve type FCU. The presentation was followed by a Q&A session.

The workshop finally ended at 9:30pm. Mr. Thomas Chan, President-Elect (2013-14), represented ASHRAE Hong Kong Chapter to present Certificates of Appreciation and expressed gratitude to all the 4 speakers conducting such valuable workshop.



GRASSROOTS GOVERNMENT AFFAIR by Dr. Raymond Yau



GGAC Macau Visit

On 22 August 2013, Grassroots Government Affair Committee (GGAC) and Macau Section visited the Instituto Para Os Assuntos Cívicos e Municipais (IACM) of the Macau SAR Government. During the visit, the representatives discussed the latest development of HVAC system and shared the design experience gained from their work. It was found that ASHRAE Publication such as handbooks, standards and guidelines were of great help to support the professional engineers to serve as good references and to solve the technical problems in Macau.

The GGAC representatives thus introduced various updated publications including the Standard 189.1, Standard for the Design of High-Performance Green Buildings and Standard 90.1, Energy Standard for Buildings Except Low-Rise Residential Buildings. It was also discussed the application of Standard 55, Thermal Environmental Conditions for Human Occupancy, Standard 62.1, Ventilation for Acceptable Indoor Air and Standard 90.1 in green building certifications such as Leadership in Energy and Environmental Design (LEED) system.

Last but not least, the GGAC also promoted the ASHRAE membership and its benefit to the IACM representatives. The GGAC would continue to look for ways to strengthen the linkages with IACM in the future.

Meeting with Architectural Services Department of Hong Kong SAR

The GGAC is committed to strengthening collaborations and establishing linkages with government bodies to support its professionals in the pursuit of excellence in the field of HVAC engineering. This is exemplified by the communication meeting with the Architectural Services Department of the Hong Kong SAR Government conducted on 3 September 2013.

At the beginning of the meeting, ArchSD introduced their knowledge management practices. Numerous topics of mutual interests such as recent development in green government buildings, sharing of BS works experience and practices and research, technical events and forums were also discussed, followed by an introduction of ASHRAE by Chapter President to update ArchSD the officers and board of ASHRAE Hong Kong Chapter for the year term 2013-2014 and the latest development of the ASHRAE standard and research project. It is expected that the meeting could deepen the ties between ASHRAE and the ArchSD.

MACAU SECTION, INTERNATIONAL FORUM ON SUSTAINABLE GREEN CITY 2013



Our booth at International Forum



The International Forum on Sustainable Green City 2013

The International Forum on Sustainable Green City 2013 was successfully held on 21 November 2013 at The Venetian Macau. The forum had attracted over 80 professionals to attend and share the knowledge on the following topics:

- Carbon Footprint
- Green Certification for Existing Building
- Renewable Energy and Smart Grid
- Green Transport System
- Building Services
- Air & Water Conservation
- Green Roof & Green Wall
- Agriculture

The above mentioned maybe a solution to tackle the two major issues which we are now facing, i.e. climate change and shortage of resources in terms of energy sources, clean water and clean air. It is also important for us to find a good way to construct a sustainable and green city where all human beings live in there by adopting a proper life style to go green and concern our coming generations. Therefore, 10 speakers came from various sectors, e.g. government department, university, professional body and design consultant, were presenting the "Green" idea with the audience and followed by a technical visit to the new complex of Macau University at Hengqin.



Ms Tracy Pang and participants



Technical visit to the new complex of Macau University at Hengqin

RP GOLF TOURNAMENT (2013-2014) by Mr Tenny Tam



30 members participating in golf tournament this year



All awardees in golf tournament

Hong Kong Chapter had successfully held a golf tournament on April 25, 2014 at Yinli Foreign Investors Golf Club, Douguan, PRC. It was our second time making this tournament in order to raise fund for Research operation of ASHRAE headquarter. We had offered several awards, such as the gross and net golfing champions, the longest drive and the nearest-to-pin items so that every members had shown their technical capabilities in winning those awards. We had over 30 members participating in this event. The weather was fine and each golfer could make a good performance during the game. It was unexpectedly found that we had a lot of experts in golfing! We sincerely thank for each member's participation and we look forward to holding this event in next year.

YMC ACTIVITIES - MIXOLOGY WORKSHOP by Ms Moka Lai



20 young members had joined the cocktails mixology workshop

The ASHRAE YMC organized a classic cocktails mixology workshop on 23rd March 2014. There are 20 young members had joined the event. Cocktail is a kind of alcoholic mixed drink that requires at least one alcoholic component and one sweet component. Mixology is a study and practice of mixing alcoholic beverages. In the workshop, we learn the skill of free pouring and the methodology behind making a wide variety of popular cocktails. We separated in four groups and try to produce Mojito, Cosmopolitan, Tom Collins, Dry Martini.



Cocktails mixology workshop tutor



Concentration on making cocktails

YMC ACTIVITIES

CHARITY SUPPORT - FAMINE 30

by Ms Moka Lai



8 young member committees and helpers had joined the Famine 30



30 hours, we stayed in Aberdeen Sports Ground without food and went barefoot to experience

There are eight young member committees and helpers had joined the Famine 30. We would like to take the chance to give thanks to the ASHRAE committees who give us support. 30-Hour Famine is an annual fundraising and advocacy campaign of World Vision. Its key objective is to raise the public's awareness of world hunger through a series of educational and experiential activities. In these 30 hours, we stayed in Aberdeen Sports Ground without food and went barefoot to experience what many hungry children go through every day. We joined numbers of workshops and sharing about what we can help on the developing country. The funding will mainly spend on the support of food security and development projects in Africa, including 57,000 people from Somalia, Mali, Zimbabwe, Angola and South Sudan.

