



Presidential Address By S.L Li, President 2007/08



Some cynics said life itself is boring and meaningless because, no matter what we want to be, we have the same beginning of gift born as intellectual beings and then the same ending of lay deceased into ashes of the grave soil.

On the contrary, I see life is a journey of full wonders which manifest clearly from the glamorous cloths of our dressing, the delicious foods of our eating, the comfortable environments of our living and the convenient means of our transporting. All those wonders cannot happen without contributions by others. The meaning of life, according to Albert Einstein is a continuity of contributing to others. It is quite true in a sense that we just barely extend the species of our lives without the establishments from our ancestors passing us the genes, from our elderly

teaching us the savvy and skill, from our colleagues helping us earn for the livings, from our friends sharing us with the joys and troubles.

ASHRAE, as a matter of fact, is one of those wonders. Imagine there were no heating and cooling technologies available when we were living amid the alpine-chill winters and desert-hot summers. Imagine there was no refrigerating technology available while we were transporting fresh meats from farms, processing plants, supermarkets and then all the way to our home. Imagine there was no ventilation technology available for clean and germ free air when a doctor was performing a critical life-threatening surgery in the hospital. Fortunately, all those have happened just because there are so many 'others', in particular with some 55,000 ASHRAE members around the world, of who have been dedicating millions of hours including their leisure times to contribute for the technologies to others. This perhaps, in so far as life is concerned, is the meaning of our existence.

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 2007 to 2008. I would like to take this special occasion to thank all of you for the nomination and election of my presidency in particular to the Governors, the officers, all committee chairs and members. I would extend my thanks to Dr Sam Hui, Mr KL Chan, Ms Ealge Mo, Mr TK Chan and Mr Vincent Tse, Mr Vincent Chu, Mr Victor Yiu, Dr. Raymond Yau, and all colleagues for their kind supports, especially thanks for all of your patience by communicating with me without using my hearing. I own you all a huge debt for that.

Months ahead in ASHRAE Hong Kong Chapter are going to be exciting and contributing 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 hundred of hours to make those events happened. It would never be the same success without their dedications and hardworking. In this year, to add some more excitement to those regular programs and activities, I shall put forward plans and motions to enhance and enlarge some of them especially in Student Award and Membership Programs.

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Presidential Address

Students, as every each of us should aware, are not only the sons and daughters of parents but also are the future of our societies that we are living in and working for. By and large taking our view to sustain our growth of ASHRAE Hong Kong Chapter and HVAC&R industry, we perhaps should take a lead to spend more investments into students. We are encouraging students to compete among themselves, so as to make them better equipped with technological skills and knowledge before they graduate and begin to serve the communities as engineers. An enhanced student award program, which basically will be funded by a new student scholarship foundation, will be moved in this year of my presidency. Hopefully, it will become a permanent student program at least for coming five consecutive years. In order to attract more students entering into the technological competitions, I also shall move to the student committee by raising the monetary amounts of the current awards to the student winners at least by ten times. It means more students will be beneficiary from the new enhanced program at both quantitative and qualitative bases.

Members are the backbone of ASHRAE. We are a group of fellows spending thousand of hours contributing to the others; we are a group of fellows sacrificing our own leisure time including our time for our families and hobbies; we are a group of fellows making the earth more environmental friendly to accommodate; we are a group of fellows cultivating the coming generations and making our lives more sustainable to the future challenges. We perhaps should spend more time and focus to our members. In this year, I will move to Membership Committee to enlarge the scope of the committee extending membership recruitment and benefit programs by calling for the supports from various private or non-private organizations of our industries. The objective is to sustain the growth on membership for Hong Kong Chapter. I will move to raise more resources to Membership Committee as to be beneficiary to all good fellows of our members of the Society.

History is particularly important not only to those senior members who have been participating the past events, but also vital to be acquainted by the current and coming members who will continue to contribute to the societies. In this year, just as recommended by some senior members, I shall move to Historical Committee publishing a record of major events over the last 50 years for HVAC&R Industry in Hong Kong. It certainly will not be a successful historical record publication without inviting some veterans to join the committee. It also certainly will not make the records complete without participations of current and incoming members. The publication hopefully will become a permanent program which the record will be updated and re-published in yearly basis.

Before I end my speech tonight, 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 !

Joint Technical Visit

Hong Kong Movie City

Joint technical visit of Hong Kong Movie City at Tseung Kwan O was held on 26 May 2007 and 23 June 2007. The visit started with an introduction of BS systems in Hong Kong Movie City and then followed by a site tour to Sound Stage 1, Post Production Building and Theatre.



Group photo after visiting



From left to right, they are Peter Long from CIBSE, John Wong from Shaw Studio, Tom Hidley & Albert Lo



Celebrated the 10th Anniversary of ASHRAE Region XIII CRC

The 10th ASHRAE Region XIII Chapters Regional Conference (CRC) was held on 3-4 August 2007 at Taipei, Taiwan. 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 10th Anniversary of the CRC (see the photo above), the ASHRAE President Mr. Kent Peterson (*left no. 3*) and Executive Vice President Mr. Jeff H. Littleton (*left no. 1*) were attending the Taiwan CRC to officiate the ceremony. The current and previous Director and Regional Chairs (DRCs) of Region XIII were also invited to join the celebration.

- Mr. Vincent Tse (1998-2001) (*right no. 2*)
- Mr. Raymond Wong (2001-2004) (*right no. 1*)
- Dr. OW Chee Sheng (2004-2007) (*right no. 3*)
- Dr. Robert Hu (2007-now) (*left no. 2*)

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

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.

About 20 HK delegates and 9 HK students have attended the Taiwan CRC. Sincere thanks are expressed to the host, ASHRAE Taiwan Chapter, for the great hospitality (esp. food and alcoholics) and kind supports.

The next CRC will be held on 29-30 August 2008 at Manila, Philippines. Interested persons please contact us at "CRC@ASHRAE.org.hk".



Chapter President Mr. S L Li (middle), President-Elect Mr. K L Chan (right) and Ms. Chloe Chau (left)



HK delegates and students (incomplete)



Performance by HK students at the banquet dinner



Region XIII group photo after a business session

Taiwan Study Tour *By Jenny Law, Study Tour Team Leader*

Taiwan Study Tour on Building Energy and Environmental Technology



Student group photo in Taiwan 101

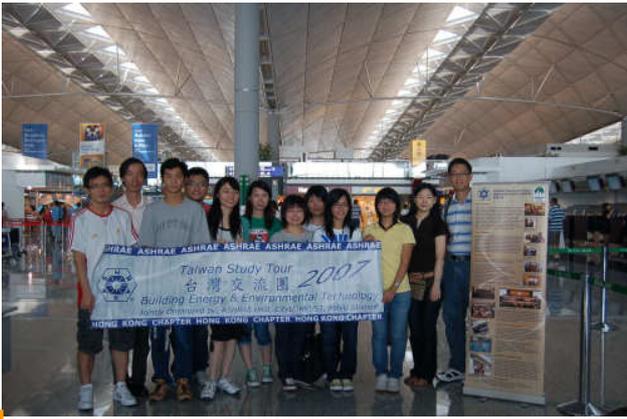
This 7-day Taiwan Study Tour, which took place on 2-8 August 2007, was jointly organized by students from The University of Hong Kong, City University of Hong Kong, The Hong Kong University of Science and Technology and The Hong Kong Polytechnic University.

There are 9 students joining this study tour. We have attended the technical seminar in ASHRAE Region XIII CRC – Ubiquity: From Equipment to System Integration. We have also conducted technical visits to the research institutes, major universities and HVAC&R firms in Taiwan, including the Nanotechnology Research Center (NTRC) of the Industrial Technology Research Institute (ITRI), the National Taipei University of Technology (NTUT), the New Energy Centre of National Taiwan University (NTU), Fu Sheng Airtech Corporation, Shihmen Wind Power Station and a nuclear power education centre. The visits provided a great opportunity to understand the latest technology in Taiwan.

In addition, we have visited the Chinese Architecture & Building Center and some green building projects in Taiwan, including the Beitou Branch of Taipei Public Library, the Orient Golf & Country Club and the National Environment Analysis Building. These activities gave us some ideas how building design can be integrated with the environment in a sustainable way.

Besides learning technical knowledge, we also had cultural exchanges with the students of other Chapters. Thanks to the help of the host Taiwan Chapter, we have had a wonderful tour of the Taipei city during the leisure time. This study tour provided a memorable experience to us as we could learn the latest technological developments in Taiwan which cannot be found in textbooks. Moreover, making friends with people from different nations was also an additional bonus.

(cont'd on next page)



Ready to go at the HK airport



After the CRC Technical Seminar



National Taipei University of Technology (NTUT)



Lab visit at NTUT



National Taiwan University (NTU)



Shihmen Wind Power Station



Beitou Branch of Taipei Public Library



National Environment Analysis Building

Zhejiang-HK Joint Symposium

The Zhejiang-HK Joint Symposium was held very successfully on 6-7 July 2007 at Hangzhou (杭州), Zhejiang (浙江省). This is the tenth anniversary of the Mainland-HK joint symposium and has attracted a lot of participants. The Mainland-HK joint symposia were held in Beijing (1998), Shanghai (1999), Nanjing (2000), Xian (2001), Chongqing (2002), Qingdao (2003), Shenyang (2004), Wuhan (2005), Chengdu (2006) and Hangzhou (2007). These symposia provide good opportunities for intellectual exchanges among the relevant professionals in Hong Kong and mainland China. The outcomes of the symposia are remarkable and they have laid down a sound foundation for developing collaborations, mutual understanding and friendship among the participants.

Despite the very hot weather in Hangzhou, the participants this year have enjoyed the technical events and also appreciated the beautiful sceneries in the famous West Lake. Sincere thanks are expressed to all the organizing committee members and helpers for their remarkable efforts. The next China symposium is proposed to be held at Zhengzhou (鄭州), Henan (河南省). Please contact us at "info@ASHRAE.org.hk" if you are interested to join.



Chairpersons of the institutions



Celebration for the 10th Anniversary



Group photo of all the participants

Recent Technical Seminars (completed)

- 12 Nov 2007, Technical Seminar: Understanding and Designing Dedicated Outdoor Air Systems (DOAS)
- 25 Oct 2007, Joint Technical Seminar, EU Directive on Energy Performance of Buildings: Implications for Hong Kong [Further info: <http://www.hku.hk/bse/cpd/EPBD/>]
- 25 Oct 2007: Technical Seminar: The Use of Evaporative Condensing in Water Cooled Chiller System Design
- 24 Oct 2007: The 7th International Energy Agency Annex 44 Forum "Integrating Environmentally Responsive Elements in Buildings"
- 29 Aug 2007: Technical Seminar - Application of CFD for Predicting Room Air Movement

Retreat 2007

Our Chapter's Retreat is an interesting social and recreational function to kick off the new fiscal year. This year the Retreat was held on 30 June 2007 at the Kadoorie Agricultural Research Centre (KARC) (www.hku.hk/karc/) at Shek Kong, Yuen Long. The Chapter Officers and Governors and some of their family members, committee chairs and members, as well as the young and students members have participated and enjoyed the team-building exercises and social gathering. If you would like to join the retreat in next year, please contact us at retreat@ASHRAE.org.hk.



Let's show the "A" for ASHRAE



Network challenge



Human snake ?!

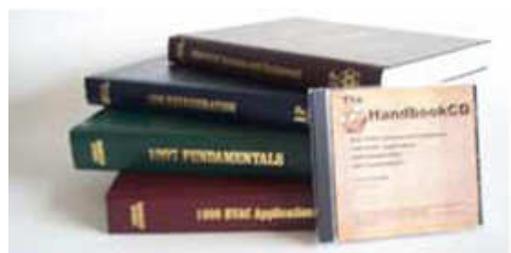
Call for Support

ASHRAE Handbook Donation Scheme

Regular ASHRAE members receive a set of four ASHRAE Handbooks every four years. Old handbooks become not very useful to them. It will be helpful to collect these old handbooks and distribute them to the student members and young graduates.

Our Chapter organizes this function with the aim to collect copies of ASHRAE Handbooks from our members and distribute them to the student members and young graduates who might need them. The aims of this scheme are:

- To support students and young members development in HVAC&R industry
- To promote ASHRAE Handbooks and technology



The application form of the scheme can be found on our Chapter website www.ASHRAE.org.hk.

Instructions for Donors:

If you are willing to donate hard or CD copies of ASHRAE Handbooks, please complete “Form A: Donor” and send to us by email (“donation@ASHRAE.org.hk”). The recent version of ASHRAE Handbooks is preferred and older version is Ok. You will be contacted by our helper or the receiver so as to appoint a time to collect the handbooks.

Instructions for Receivers:

Current Students Members of the Chapter and recent graduates who have upgraded to Associate or Affiliate can apply for receiving the handbooks. The distribution will depend on availability and the allocation is on a first-come-first serve basis. Interested persons shall complete and return “Form B: Receiver” by email (“donation@ASHRAE.org.hk”). You will be asked to contact the donor and/or collect the handbooks at suitable time and location.

Enquiries:

Please contact us by email at “donation@ASHRAE.org.hk”.

ASHRAE Society

Visit by ASHRAE President

Our Chapter has invited the ASHRAE President, Mr. Kent Peterson, to visit Hong Kong on 14-15 February 2008. The purpose is to promote ASHRAE and enable the President to meet with the people of our Chapter and other related organizations in Hong Kong. Planning for the visit and associated functions is now being prepared. Please visit our Chapter’s website (www.ASHRAE.org.hk) later for more information.



The ASHRAE President Mr. Kent Peterson has recently set up a “blog” to provide an opportunity for him to share what is happening in the ASHRAE community and share his thoughts and experiences as he travels to various events as ASHRAE president. It also provides you an opportunity to comment on HVACR industry global trends and possibilities as ASHRAE transitions towards a sustainable built environment. You are welcomed to express your opinions and communicate with Mr. Peterson on <http://www.ASHRAE.org/blog>.



2008 ASHRAE Winter Meeting New York City



The 2008 ASHRAE Winter Meeting will be held on 19-23 January 2008 at New York City (NYC). The AHR Expo (International Air-conditioning and Refrigeration Exposition) will be conducted on 22-24 January 2008 at the Javits Convention City, NYC. Further information can be found on the following websites:

- 2008 ASHRAE Winter Meeting New York City www.ASHRAE.org/newyork
- 2008 AHR Expo, New York www.ahrexpo.com

Our Chapter will have some delegates to attend the respective events. If you will also attend and would like to meet our delegates, please contact us at info@ASHRAE.org.hk.

Sustainability Design Certification

ASHRAE will launch a new certification program in sustainability/high performance building/green building in conjunction with the 2008 Annual Meeting in Salt Lake City. The first examination for the program will be administered the morning of Wednesday, 25 June 2008 and will be on pencil and paper. Later in the year, the exam will be available on computer at testing centers worldwide. Candidates who earn the certification will have demonstrated understanding and knowledge of how HVAC&R design is integrated into high performing buildings to achieve the overall goal of sustainability.



Like all ASHRAE certification programs, the process for participating in this program will involve the following:

- ASHRAE will provide a Candidate Guidebook that contains important information related to the examination, eligibility requirements, and available resources for this program.
- To participate in the program, each individual must meet one of several sets of criteria, which are comprised of combinations of academic and work experience.
- Each candidate must complete an application form and submit it to ASHRAE.
- After ASHRAE approves the application, the candidate will receive information about how register for the examination.
- To maintain certification, each certification earner must complete 45 hours of continuing education credits every 3 years.

The Candidate Guidebook, application form, and other information and materials will be available on the ASHRAE website soon. If you have any questions, please contact the ASHRAE staff at certification@ASHRAE.org.

Sustainability Design Professional Examination – Detailed Content Outline (summary)

<p>I. Background Information</p> <ul style="list-style-type: none"> A. Sustainability Concepts B. HVAC Processes C. Sustainable Processes D. Environmental Improvement Programs and Rating Systems <p>II. Energy Analysis</p> <ul style="list-style-type: none"> A. Preliminary Energy Analysis B. Envelope / Massing / Orientation Optimization C. Ventilation D. Energy Compliance Modeling <p>III. Indoor Environment</p> <ul style="list-style-type: none"> A. Lighting B. Air Quality C. Thermal Comfort <p>IV. Controls and Monitoring</p> <ul style="list-style-type: none"> A. Optimizing Control Strategies B. Control Hardware 	<p>V. Benchmarking with Performance Metrics</p> <ul style="list-style-type: none"> A. Project Performance Measurement B. Energy Performance Verification C. Environmental Performance Measurement <p>VI. Water Conservation</p> <ul style="list-style-type: none"> A. Storm Water Management B. Domestic Water Management C. Process / Wastewater Management <p>VII. Commissioning in Sustainable Construction</p> <ul style="list-style-type: none"> A. Documentation B. Commissioning Process <p>VIII. Operation and Maintenance of High Performance Buildings</p> <ul style="list-style-type: none"> A. Energy Use and Management B. Environmental Control and Management
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Green Building Functions

Our Chapter is now planning and designing the following functions with the aim to promote better understanding of sustainable and green building design. Details will be announced soon when available.

- December 2007: Technical Seminar on Green Buildings, LEED and the ASHRAE Standard 189 (by a ASHRAE Distinguished Lecturer)
- January 2008: Technical Workshop on Sustainable and Green Building Design (re-scheduled)

ASHRAE 2008 Student Design Project Competition

ASHRAE sponsors this design project competition to encourage undergraduate students to become involved in the dynamic profession of Heating Ventilating and Air Conditioning, to apply their knowledge to practical design use, and to promote team work. ASHRAE will recognize the outstanding student design projects at next year's ASHRAE 2009 Winter Meeting in Chicago, IL.



The student design competition follows a prescribed format. The contest's guidelines provide enough background information to enable the teams to select and/or design the HVAC system for the given building and/or perform the architectural design for the given program. The teams may compete in one or more of the three subcategories: HVAC System Selection, HVAC System Design and Architectural Design.

In this year (2008), the Student Design Competition features a 60,000 ft² Community Recreation Center, located in Nashville, Tennessee area. ASHRAE recommends that the project groups consist of at least two members. However, team members can attend different colleges. Deadline for submission is Friday, 9 May 2008. Further information can be found on: <http://www.ASHRAE.org/students/page/1420>

If needed, our Chapter will provide guidance to the students who are interested to form a team to participate in this design competition. Please contact us at studentdesigncompetition@ASHRAE.org.hk.

Coming Events

Visit www.ASHRAE.org.hk for

<p>12 Nov 2007 (Mon) Technical Seminar: Understanding and Designing Dedicated Outdoor Air Systems (DOAS)</p> <p>13 Nov 2007 (Tue) Joint Symposium 2007, Kowloon Shangri-la Hotel, Hong Kong</p> <p>21 Nov 2007 (Wed) Technical Talk: MEP Design for Guangzhou Sightseeing and TV Tower</p> <p>22-23 Nov 2007 (Thu-Fri) Asia Pacific Conference on Built Environment: Sustainable HVAC&R Technology, The Grand Hotel, Bangkok, Thailand [www.ASHRAEThailand.org]</p> <p>Dec 2007 (to be confirmed) Technical Seminar on Green Buildings, LEED and the ASHRAE Standard 189</p> <p>19-23 Jan 2008 (Sat-Wed) ASHRAE Winter Meeting and AHR Expo, New York, NY</p> <p>Jan 2008 (to be confirmed) Technical Workshop on Sustainable and Green Building Design</p> <p>26 Jan 2008 (Sat) Technical Visit: Tai Kok Tsui Municipal Services Building</p> <p>14-15 Feb 2008 (Thu-Fri) Visit and Talk by ASHRAE President (to be confirmed)</p>	<p>18 Feb 2008 (Fri) ASHRAE Night 2008 (to be confirmed)</p> <p>23 Feb 2008 (Sat) Technical Visit: Hong Kong Science & Technology Parks Phase 2</p> <p>17 May 2008 (Fri) Annual General Meeting</p> <p>May/June 2008 (Sat-Sun) ASHRAE Region XIII Regional Planning Meeting, Bangkok, Thailand (to be confirmed)</p> <p>4-6 Jun 2008 (Wed-Fri) Asian Building Technologies 2008. HK Convention & Exhibition Centre [www.asianbuildtech.com]</p> <p>6 Jun 2008 (Fri) Annual Dinner (to be confirmed)</p> <p>21-25 Jun 2008 (Sat-Wed) ASHRAE Annual Meeting, Salt Lake City, UT</p> <p>Jun/Jul 2008 (Fri-Sat) Mainland-HK Joint Symposium, Zhengzhou, Henan (to be confirmed)</p> <p>29-30 Aug 2008 (Fri-Sat) ASHRAE Region XIII Chapters Regional Conference (CRC), Manila, Philippines</p>
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Chapter Officers and Governors 2006-2007

President (Chapter Delegate)
President –Elect (Chapter Alternate)
Secretary
Treasurer
Immediate Past President
Governor
Governor
Governor
Governor

Mr. S.L. Li
Mr. K. L. Chan
Mr. Calvin C. H. Tang
Dr. Christopher Chao
Dr. Sam C.M. Hui
Mr. Vincent Chu
Mr. Tim Cheng
Mr. Vincent Tse
Mr. Victor Yiu

ASHRAE Society and Region XIII Posts

ASHRAE Finance Committee & ASHRAE Distinguished Lecturer
ASHRAE Electronic communications Committee
Regional Vice Chair (RVC) – Chapter Technology Transfer
Nominating Alternate Reserve
Regional Webmaster

Mr. Vincent Tse
To be confirmed
Dr. Raymond Yau
Mr. Edward Tsui
Dr. Sam C.M. Hui

Working Committee 2006-2007

Chapter Programs
Membership Promotion
Research Promotion
Student Activities
Attendance
Auditing
Chapter Technology Transfer
CRC Action
Historical
Honors & Awards
Information Technology
Webmaster
Institutions (HK) Liaison
Mainland Relations
Nominating Committee
Publications & Newsletter

Publicity
Reception
Refrigeration
Young Members Committee

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Mr. Albert Lin (Chair)
Mr. K.M. So (Chair)
Mr. Jacob Yiu (Chair)
Mr. W.K. Pau (Chair)
To be confirmed
Dr. Jianlei Niu (Chair)
Dr. Sam C.M. Hui (Chair)
Dr. Philip Yu (Chair)
Mr. Alan Lam (Chair)
Mr. Peter Lam (Chair)
Mr. Alan Lam
Mr. T. K. Chan (Chair)
Dr. M. Y. Chan (Chair)
To be confirmed
Ms. Pauline Leung (Chair),
Ms. Liubov Fou (Co-Chair)
Mr. Eagle Mo (Chair)
Mr. Matthew Ngan (Chair)
Mr. Albert Lo (Chair)
Ms. Tracy Pang (Chair)

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Technical Working Groups 2007-2008 (Leaders):

- Energy
- Control of humidity and molds growth indoors
- Ventilation and health
- Operation & maintenance of HVAC&R systems

- Dr. Philip Yu (Leader)
- Dr. Jianlei Niu (Leader)
- Dr. Yuguo Li (Leader)
- Dr. Joseph Lai (Leader)

Sports and Recreation 2007-2008 (Leaders):

- Soccer Team
- Golf Team

- Dr. Joseph Lai (Captain)
- Mr. Francis Leung (Leader)

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

