

THE ASHRAE TIMES

Newsletter of ASHRAE Singapore Chapter

President's Message

By Matthew Ngan



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Dear ASC members,

This is the 1st Newsletter for the year 2014-2015. On behalf of ASHRAE Singapore Chapter (ASC), we thank you for your support for the past year and we look forward to serve the Chapter and every one of you. Our ASC membership has exceeded 100 last year, it is an achievement for ASC and we hope that the success will be continued by providing more benefits to the members. We will continue to organize technical talks and seminars, networking sessions and events, to fulfil ASHRAE's Mission to advance the arts and sciences of heating, ventilating, air conditioning and refrigerating to serve humanity and promote a sustainable world.

Please let us know if you have any comment for improvement and we are looking forward to meet you in the coming events. Let us work together to raise the standard of the industry and create a green and sustainable world for our families and future generation. Thanks.

Matthew Ngan

ASC President 2014-2015

Mailing Address: ASHRAE Singapore Chapter
159, Sin Ming Road, AMTECH Building, Lobby 2, #07-02, Singapore 575625
www.ashrae.org.sg, E-mail: asc@ashrae.org.sg

Newsletter Editor: K C Liew

ASHRAE Singapore Chapter
Annual General Meeting 2014
By K C Liew

The Annual General Meeting of ASC was held on Friday 25th April 2014 at the Bluebell Room, Singapore Polytechnic Graduates' Guild (SPGG), Singapore Polytechnic.

It was attended by 27 members. Dr. Uma gave a brief overview of the major achievements of the chapter during his presidential year. He also invited various chairperson to share with the members of their thought over the past year.

Matthew Ngan was announced as the incoming President for the year 2014-2015 by the nominating committee. In his speech, Matthew thanked the 2013-2014 BOG team for the effort in contributing their time and hard work supporting ASC. He called for the members continuing support to build a stronger and more active ASC in 2014-2015. He also shared his goals and objectives to achieve a larger membership and more benefits for membership. The new BOG members were also successfully elected for the current team.



ASHRAE President Visit

By K C Liew

William P. Bahnfleth, President ASHRAE (2013-2014) visited Singapore in April, 2014.

During his visit, he presented at the technical seminar co-organized by ASC & Department of Building, NUS. He also spent an evening of networking with ASC members.

Technical Seminar : The ASHRAE Building Energy Labelling Program

With the growing trend of rating energy use and indoor environmental quality of buildings worldwide, ASHRAE introduced its own "Building Energy Quotient" (bEQ) in 2009. Dr. Bahnfleth shared with the audience an overview of the ambitious labelling program, described its relationship to other building certification programs in the US and elsewhere, identify the potential benefits of certification and summarized the current state of implementation of the program and plan for the future.



An Evening with the President

ASC organized a casual dinner on the 22nd April night at 7pm, at SPGG, Aster Ball Room for all members to meet with the President.

Accompanied by his wife Mary, Dr. Bahnfleth spent an evening networking with ASC past presidents, BOG and ASC members.



RPM in Philippines

By Matthew Ngan

Regional Planning Meeting - 2014

The RPM – Regional Planning Meeting 2014 was held in Manila, Philippines on 31 May and 1 June 2014. ASHRAE Philippines Chapter was the host for this RPM and the meeting was attended by all seven chapters, i.e. Singapore, Hong Kong, Taiwan, Philippines, Thailand, Malaysia and Indonesia. There were around 40 attendants, including the DRC (Edward Tsui), ARC, RVC, etc.



Singapore Chapter was represented by Matthew Ngan (President), Henry Yeo (President-Elect), Sunny Tan (Nominating member) and David Lau (Nominating Alternate).

The meeting was carried out successfully, with detailed discussion amongst the delegates from different chapters and training workshops. There was also discussion for the coming CRC in Taipei and next year CRC in Manila.

Fundamentals of Air Conditioning System

By Albert Sin

2-day course on “Fundamentals of Air-Conditioning System” at BCA Academy

ASHRAE Singapore Chapter (ASC) and BCA Academy have jointly organised a 2-day training course on “Fundamentals of Air-Conditioning System” at BCA Academy, 23 & 24 June 2014. The course objectives were to develop an understanding of the principles of air-conditioning, with focus on air-movement and components of an air distribution system. An overview of the relevant regulations and guidelines were also covered. The course trainer, Er Chee Yan Pong is our ASC Chapter Past President who has conducted the course with about 46 participants. A copy of the “Fundamentals of Air System Design” published by ASHRAE was given to the participants. ASC was encouraged by the success of the course and will be organising more comprehensive air-conditioning training courses in the following years.



Er Chee Yan Pong giving an introduction on “Fundamentals of Air-Conditioning System (Air Side)”



About 46 participants in the training course

ASHRAE Singapore Chapter 32nd Annual Installation Dinner

By K C Liew

The ASC 32nd Annual Installation Dinner 2014 was held on the 3rd July 2014 at the Orchard Hotel.

Together with Guest of Honour Er Dr Lee Bee Wah and over 800 guests, it was a joyous occasion to celebrate the annual event with fun and networking with VIPs, members and other professionals in the HVAC industry.



Left : Arrival of GOH, Er Dr Lee Bee Wah, accompanied by the President and Chairwoman.

Below : Matthew Ngan, delivers his Presidential Speech



Above: Our friendly, helpful and charming reception team



Right : Attending to enthusiastic guests.

ASHRAE Singapore Chapter 32nd Annual Installation Dinner



Passing of gavel to President of ASC 2014-2015,
Mr. Matthew Ngan



Above : Dinner Organizing Chairwoman ,
Ms. Phoebe Tan welcome speech.



Left : Banner of our supportive sponsors.



ASHRAE Singapore Chapter Board of Governors 2014-2015

Student Activities

By Mitesh Kumar

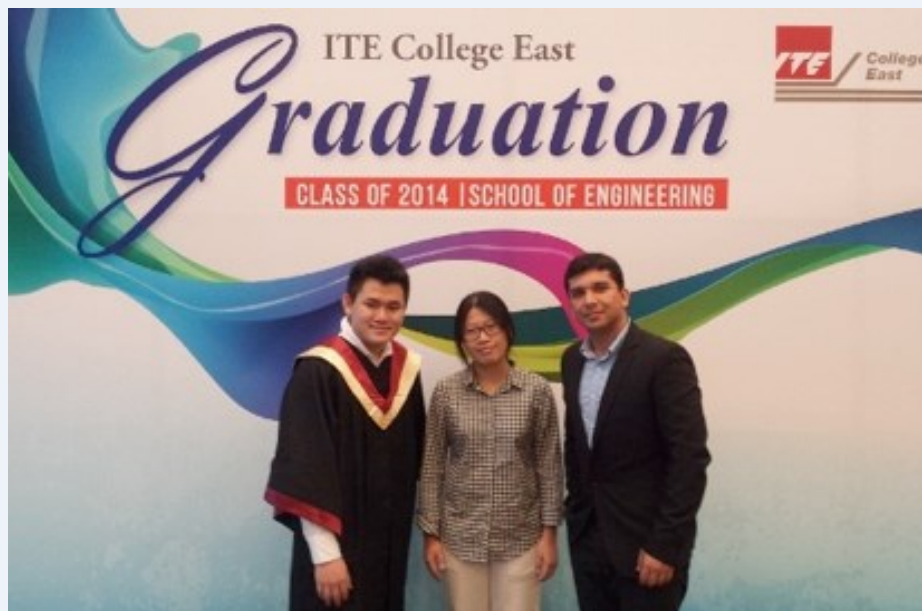
ASC Book Prize Award Presentations

◇ ITE College East

22 May 2014 (Thursday) - The Graduation Ceremony was held in the Indoor Sports Hall of ITE College East. Around 1200 graduates came together to celebrate this important milestone and achievement in their lives. The event was graced by Guest-of-Honour, Dr Mohamad Maliki Bin Osman, Minister of State, Ministry of National Development & Ministry of Defence and Mayor, South East District.

The ASHRAE book prize was awarded to Mr Kenneth Yong Yu Wei from School of Engineering. The award ceremony was attended by Mitesh Kumar (Student Activities Chair) and Kris Tan (YEA Chair) on behalf of ASC.

The ITE students were also encouraged to join ASC membership and were informed the various benefits of this membership



Kenneth Yong Yu Wei (Book prize winner), Kris Tan (YEA Chair) and Mitesh Kumar

Student Activities

By Mitesh Kumar

◇ Ngee Ann Polytechnic

27 May 2014 (Tuesday) - The Graduation Ceremony was held in the Ngee Ann Polytechnic Convention Centre. The award ceremony was attended by Matthew Ngan (President) on behalf of ASC.



◇ Temasek Polytechnic

28 May 2014 (Wednesday) - The Graduation Ceremony took place at the Convention Centre of Temasek Polytechnic. Around 1500 graduates came together to celebrate this important milestone and achievement in their lives.

The ASHRAE book prize was awarded to Ms Peng Hui from the Diploma in Green Building & Sustainability. The award ceremony was attended by Mitesh Kumar (Student Activities Chair) on behalf of ASC.

The TP students were also encouraged to join ASC membership and they were informed of the various benefits, like gaining of HVAC knowledge and networking with industry practitioners.



**Mitesh Kumar (SA Chair),
Ms Peng Hui (Book prize
winner) and Mr Cheng (TP
Lecturer, Diploma in Green
Building & Sustainability)**

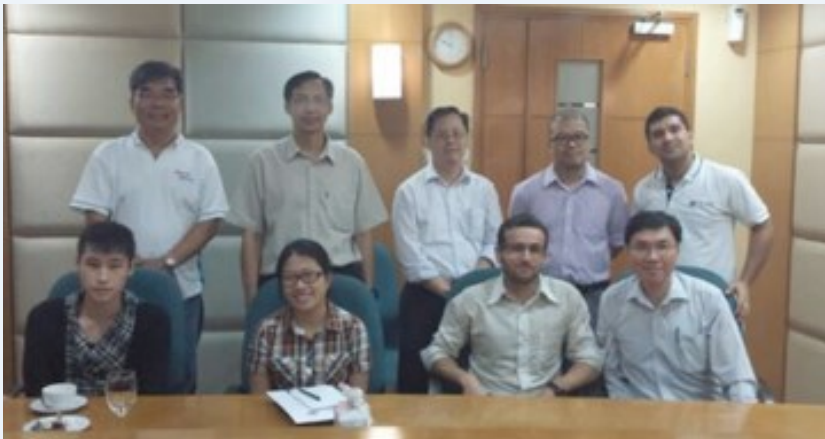
Student Activities

By Mitesh Kumar

Taking part in BOG Meeting

10 June 2014 (Tuesday) – The student branches' presidents from NUS and ITE College East get the opportunity to participate in our monthly BOG meeting at Singapore Polytechnic Graduate Guild (SPGG). They have provided suggestions on how we could attract new student members and more activities would be planned for the coming year.

We activated our ITE College East student branch in June 2014. ASC expressed their gratitude to Eric Teo (President, ITE College East Student Branch) and Mr Zul and Mr Lau Kia Hian (lecturers, ITE College East) for their continued support to ASC.



Standing (Left to Right): Henry Yeo (President Elect), Albert Sin (GGAC Chair), David Lau (Web Communications Chair), Majid Sapar (CTTC Chair) and Mitesh Kumar (SA Chair)

Sitting (Left to Right): Eric Teo (President, ITE College East Student Branch), Kris Tan (YEA Chair), Esmail Saber (President, NUS Student Branch) and Matthew Ngan (President)

Standing (Left to Right): Henry Yeo (President Elect), Albert Sin (GGAC Chair), David Lau (Web Communications Chair), Majid Sapar (CTTC Chair) and KC Liew (Publicity and Publications Chair)

Sitting (Left to Right): Eric Teo (President, ITE College East Student Branch), Kris Tan (YEA Chair), Esmail Saber (President, NUS Student Branch) and Matthew Ngan (President)



Student Activities

By Mitesh Kumar

Workshop for Introduction of Non-Contact Measurement Methods in Vibrometry

13 June 2014 (Friday) – The half-day workshop was hosted by ITE College East and the workshop was conducted by Polytec South-east Asia (PSEA) from 9am to 12pm.

Before the workshop started, Mitesh Kumar (Chapter Chair, Student Activities) played an 8 mins video on the introduction of ASHRAE. He then presented a brief introductory talk regarding benefits on ASHRAE student membership to the ITE students.

Jim (PSEA) started the workshop by giving an introduction on Polytec Group and PSEA corporate profile. Chris (PSEA) then proceeded by presenting more information on Laser Doppler Vibrometry & Vibration on real-world affiliations. Towards the end of the workshop, Chris provided the analysis on the vibration data collected from ITE training system. He also did a live demonstration using Polytec Scanning Vibrometer on ITE training system (part of condenser, receiver unit, capillary CU tubing and compressor).



(Left to Right): Kris Tan (YEA Chair), Eric Teo (President, ITE College East Student Branch), Mr Lau (Lecturer), Henry Yeo (President-Elect), Chris (PSEA), Jim (PSEA) and Mitesh Kumar (SA Chair)



Workshop presentation in progress.



(Left to Right): Jim (PSEA), Chris (PSEA) and Mr Zulkifli (Section Head, Environmental Services (Air-Conditioning & Refrigeration))

Student Activities

By Mitesh Kumar

Students' Meetings

◇ Students' Breakfast Meeting At Mcdonald's

21 June 2014 (Saturday) – This group meeting was arranged at McDonald's, Paya Lebar to discuss more details with the students who will be attending the summer camp and CRC in Aug 2014. The discussion included the preparation and performance for the upcoming trip. Feedbacks on activities were collected from the students as well.



(Left to Right): Syazreena, Suzanah (Logistics IC for CRC), Maizurah (Performance IC for CRC), Ismail (Vice-President, ITE College East Student Branch), Iskandar, Mitesh Kumar (SA Chair) and Eric Teo (President, ITE College East Student Branch)



(Left to Right): Kris Tan (YEA Chair), Syazreena, Suzanah (Logistics IC for CRC), Maizurah (Performance IC for CRC), Ismail (Vice-President, ITE College East Student Branch), Iskandar and Mitesh Kumar (SA Chair)

Student Activities

By Mitesh Kumar

◇ Students' Rehearsal for CRC 2014 Performance

Saturdays (Jun - Aug 2014) – The students have been doing rehearsal every Saturdays for their CRC 2014 performance in Taiwan. For this year, they will be performing both singing and dancing live.



19 July 2014 (Saturday) – After our CRC performance's rehearsal, we went to Geylang Serai waiting to “break fast” with the students.



(Left to Right): Suzanah (Logistics IC for CRC), Iskandar, Mitesh Kumar (SA Chair), Kris Tan (YEA Chair), Syazreena, Maizurah (Performance IC for CRC) and Hanishah

(Left to Right): Syazreena, Maizurah (Performance IC for CRC), Hanishah, Suzanah (Logistics IC for CRC), Iskandar, Mitesh Kumar (SA Chair) and Kris Tan (YEA Chair)



Members Activities

By K C Liew

ASC Members soaring new heights! - Mt. Kinabalu, Sabah, Malaysia

Four members of our BOG scaled Mt Kinabalu in Sabah, Malaysia, one of the highest peaks in South East Asia at 4095.2m on 13th May 2014. Albert Sin (Past President), Francis Lee (Past President), Henry Yeo (President Elect, 2014-2015), K C Liew (Chairman, Publicity & Publication) raised the ASC banner at the summit.

The expedition was organised by Past President Albert Sin and Bu Fan of NUS MEM (National University of Singapore, Master of Environmental Management) Alumni Group with 20 participants.

Photo on Right: Still gasping in the thin air at 4095.2 m altitude, Henry proudly displayed the ASC banner .

Photo below: Albert, KC , Francis and team member Bill Wee (in fur hat) reached the summit with the ASC banner.



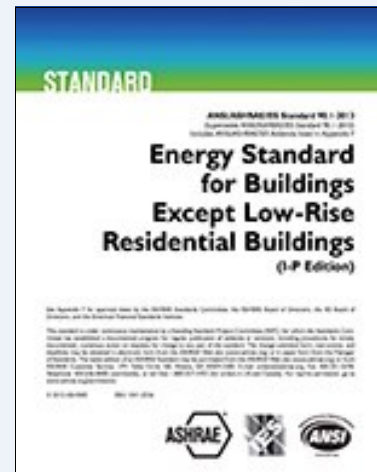
The most recognizable landmark of Mt. Kinabalu, South Peak at 3,933 m.

This breathtaking view of the peak is featured on the old RM 1.00 note.



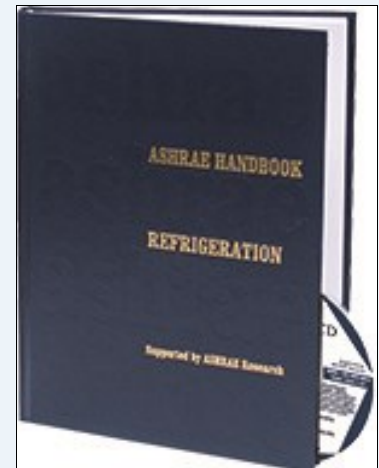
New Standard 90.1 Revised, Expanded

Standard 90.1 offers detailed minimum energy-efficient requirements for the design and construction of new buildings. It's an indispensable reference for engineers and other professionals involved in the design of buildings and building systems. The 2013 edition has been expanded to include new features, an expanded scope, and more detailed requirements, as well as incorporated changes from more than 100 addenda.



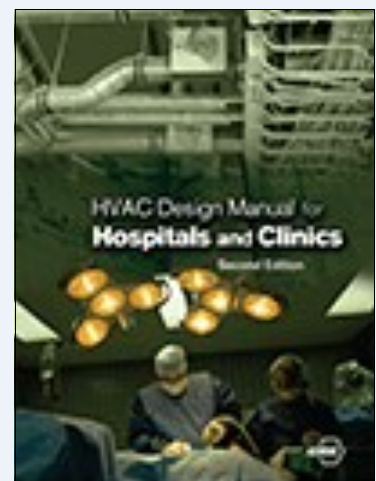
2014 ASHRAE Handbook Now Available

The 2014 ASHRAE Handbook—Refrigeration covers the refrigeration equipment and systems for applications other than human comfort. This volume includes data and guidance on cooling, freezing, and storing food; industrial and medical applications of refrigeration; and low-temperature refrigeration; and includes a dual-unit CD



ASHRAE Reference Offers Essential Guidance on Health Care HVAC Design

The new edition of *HVAC Design Manual for Hospitals and Clinics* provides in-depth design recommendations based on best practices from consulting and hospital engineers, with a focus on presenting what's different about health care HVAC.



For details on ordering of the above publications, please log on to

http://www.techstreet.com/ashrae?ashrae_auth_token

ASC Members Only

Corporate Membership of Singapore Polytechnic Graduates' Guild (SPGG)

To enhance the benefits of our ASC members, ASC has signed an agreement with SPGG for the corporate membership in year 2014. Please note that the corporate membership can only allow for maximum three ASC members at any one time to use their facilities, so the registration is on first come first serve basis. However we would appreciate it if our members can consider for others and don't use the facilities for too long.

SP GRADUATES' GUILD

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For further details of the SPPG Corporate Membership, please access to the ASC web-site at <http://2011.ashrae.org.sg/?p=1294>