

THE ASHRAE SINGAPORE TIMES

Newsletter of ASHRAE Singapore Chapter

President's Message

By K.C.Liew



Dear ASC Members,

Welcome to the ASHRAE Singapore Chapter official website. On behalf of ASHRAE Singapore Chapter, I would like to express our sincere thanks for your past, present and continued support for the chapter.

ASHRAE is a global leader in supporting research and advancement of heating, ventilating, air conditioning and refrigerating system and design. Many of the design standards were widely used or referred in various locations and climatic condition globally. In Singapore, many of the Singapore Standards (SS) have reference to ASHRAE Standards, such as STD 90.1 Energy Standard for Buildings, STD 189.1 Standard for the Design of High Performance Green Buildings. Many standards for built environment are also referred in BCA's Green Mark Scheme.

Our chapter in Singapore was incorporated in 1982 and it was the first in our region. We owe our presence here today to the dedication of volunteers and support from the industry such as consultants, developers, contractors, designers, academics, business owners and authorities. We dedicate the success of ASC to all of you for the unsurpassed support over the years.

Since its inauguration, ASC has been actively organising technical trainings, workshops and seminars to disseminate HVAC technical information and knowledge to professionals and practitioners. Students and young engineers are also our training targets for whom ASHRAE has developed programme. ASC committee members also participate in local and regional technical conferences and seminars to fulfil ASHRAE Mission to advance the arts and science of heating, ventilating, air conditioning and refrigeration to serve humanity and promote a sustainable world.

As we look forward for the year ahead, we will continue to work hard, stay relevant and to support the industry's move towards a sustainable built environment. Once again, thank you very much!

K C Liew
President, 2016-2017

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AGM REVIEW

By Muthuraman Palaniappan

The 34th ASHRAE Singapore Chapter Annual General Meeting was held on the 22nd April 2016 at the TULIP ROOM of Singapore Polytechnic Staff Centre. It was attended by 34 ASC members. Mr. Henry Yeo, the outgoing president addressed the AGM and presented the audience with the report and activities for the year. It was then followed by the Hon. Secretary (Mr. Patrick Ho) and the Hon. Treasurer's (Mr. Adrian Tan) report. Mr. Henry Yeo expressed his sincere thanks to team of BOG for their support and voluntary contribution throughout the year.

Following the last year presentation, Nominating committee announced Mr. KC. Liew as the Incoming President for the year 2016-2017. It was followed by election for the BOG members.



Few of the elected BOG members on the stage

Elected BOG Members for the Term 2016- 2017

	<p>President Name: KC Liew Company: Trane Distribution Pte Ltd Email: liew_kwong_chin@trane.com</p>		
	<p>President-Elect Name: Patrick Ho Company: Icon Engineers LLP Email: patrick@iconengineers.com.sg</p>		<p>Immediate Past President Name: Henry Yeo Company: Acez Group of Companies Email: henrysk@singnet.com.sg</p>
	<p>Hon. Secretary Name: Florence Chan Company: Camfil Singapore Pte Ltd Email: florence.chan@camfil.com</p>		<p>Hon. Treasurer Name: Gadam Sivakumar Company: Siemens Pte Ltd Email: gadam.sivakumar@siemens.com</p>
	<p>Chair, Grassroots Government Activities Committee (GGAC) Name: David Edenburn Company: Commtech Asia Pte Ltd Email: dledenburn@gmail.com</p>		<p>Chair, Chapter Technology Transfer Committee (CTTC) Name: Peter Cheng Company: Armacell Asia Pte Ltd Email: peter.chengyc@gmail.com</p>
	<p>Chair, Membership Promotion (MP) Name: Marc Chua Company: Forance Air-con and Refrigeration Pte Ltd Email: forance@singnet.com.sg</p>		<p>Chair, Research Promotion (RP) Name: Yang Junjing Company: National University of Singapore Email: junjing.yang@gmail.com</p>
	<p>Chapter Historian Name: David Lau Company: Kruger Engineering Pte Ltd Email: david@krugerasia.com</p>		<p>Chapter Administrator Name: Matthew Ngan Company: Parsons Brinckerhoff Pte Ltd Email: ngan.matthew@pbworld.com</p>
	<p>Chair, Refrigeration Name: Tan Gek Suan Company: Hussmann Tempcool (Singapore) Pte Ltd Email: gstan@tempcool.com.sg</p>		<p>Chair, Publicity and Publications Name: Muthuraman Palaniappan Company: Piller Power Singapore Pte Ltd Email: mpalani73@gmail.com</p>
	<p>Chair, Young Engineers in ASHRAE Name: Wang Jiangpeng Company: Sembcorp Marine Integrated Yard Pte Ltd Email: jpwang.sg@gmail.com</p>		<p>Chair, Student Activities (SA) Name: Rajesh Company: Surbana Jurong Pte Ltd Email: pbrajesh@gmail.com</p>

Interview with the Incoming President

Editor arranged for an interview with the incoming president after his election as the President. This is an extract from the interview

Introduction about yourself, Please.

I was born in IPOH, Malaysia. I received my early education in IPOH and left for UK to continue my education in secondary school. I graduated with a Mechanical Engineering degree in 1985 and found a job in Singapore, been working here and living here since 1987. Married with three daughters and they are still in school. My wife works in the IT industry.

You have been with Ashrae for the last 8 years. Could you share with us what was your objective when you joined Ashrae?

Having been in the HVAC Industry for two decades and benefited much from ASHRAE, it was time to contribute back to the industry by serving in ASC.

While working and devoting your free time for Ashrae, could you describe your full time job?

I have been with Trane since 1992. Started as a Sales Engineer serving the M&E of the construction industry. Today, I am responsible for the Business Development, Marketing and Key Account of Trane business in Singapore

What are the plans that you have for the Singapore Chapter under your leadership?

I wish to continue on with the works of bringing benefit to the members of ASC. I also hope to be able to engage more with the authorities like BCA, NEA & SGBC who drive energy efficiency for the built environment

Current President of ASHRAE Time Wentz theme is "Adapt and shape for Tomorrow". How do you think this is apt from the Singapore perspective and how can the Singapore Chapter contribute towards this theme?

With the focus on Climate Change caused by Global Warming, the Built environment industry has to look for new solution to meet more stringent requirement for building codes and standards. ASC is at the forefront of this change and we can help the industry to move forward by sharing through technical talks & seminars.



KC.Liew taking the oath after taking over as the president. Along with him are Henry Yeo, Immediate Past President and Patrick Ho-President-elect

New Edition of Ashrae 90.1 Standards

Ashrae releases a new edition for the most popular Standard 90.1. 2016 edition comprises numerous energy saving measures and incorporate changes from more than 125 agenda.

Standard 90.1 has been a benchmark for commercial building energy codes in the United States and a key basis for codes and standards around the world for more than 35 years. This standard provides the minimum requirements for energy-efficient design of most buildings, except low-rise residential buildings. It offers, in detail, the minimum energy efficiency requirements for design and construction of new buildings and their systems, new portions of buildings and their systems, and new systems and equipment in existing buildings, as well as criteria for determining compliance with these requirements. It is an indispensable reference for engineers and other professionals involved in design of buildings and building systems.

If you wish to buy this Standard kindly visit www.ashrae.org to purchase this latest standad.

Edition 2016 comprises of the following

Format changes to improve usability and readability:

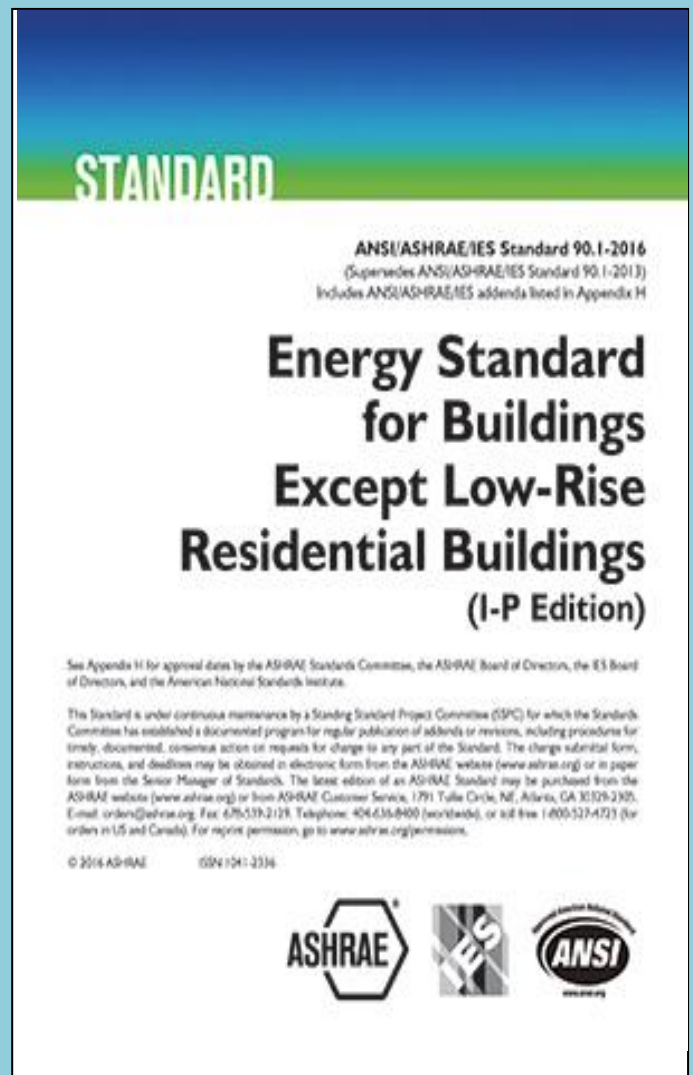
- One-column format for easier reading
- Exceptions separated, indented, and set apart with a smaller font size
- Italicized defined terms
- Changes to table formats to provide contrast between rows
- Dynamic PDF navigation

Structural changes:

- A new Reference Standard Reproduction Annex 1 is provided at the end of the document. Section 5.1.4 now cites ASHRAE Standard 169 as the source for climatic data, and Annex 1 contains extracts of tables and figures from that standard for the reader's convenience.
- Two new climate zones (0A/B) have been added to all prescriptive requirements tables.

Significant technical content changes:

- **Building Envelope**
- **Lighting**
- **Mechanical**
- **Energy Cost Budget (ECB) and Modeling**



Summary of Events

SMART FACILITIES MANAGEMENT SOLUTIONS EXPO 2016 -

Date 27th April & 28th April

Location Marina Bay Sands

SMART Facilities Management Solutions Expo 2016's key objective was integrating smart solutions into the existing ecosystem of the entire chain in the facilities management ecosystem. This show provided a platform for suppliers, end users and professionals to network, exchange knowledge and share best practices. The trade show provided end-to-end management incorporating 4 key segments: Energy Management, Security Solutions, Air Conditioning & Mechanical Ventilation (ACMV) and Environmental Management.

In Conjunction with the Smart Facilities Management Solutions Expo 2016 , ASHRAE Singapore Chapter was provided with a Exhibition Booth to promote membership . ASC made use of this opportunity to promote ASHRAE, its Singapore chapter and also was able to sell some Journals and Handbook and the funds collected was part of the Research Promotion activity.



ASC booth at FMC2016



Prof. Chandra Sekhar speaker at the FMC conference was presented with a token of appreciation for his contribution.

34th Annual Installation Dinner

Date 15th July' 2016

Location Orchard Hotel



Ashrae Singapore Chapter organized its major event for the year, 34th Annual Installation Dinner. It was as usual a great event for networking with more than 700 guest including members, HVAC partners, contractors, consultants and end users who took part in the event. Master of the Ceremony for the event was the famous DJ from Class 95 the “Flying Dutchman”. He kept the audience entertained with some table games and his witty comments. There was active participation from the audience in performing some the games at the stage. We thank all the sponsors for their generous contribution to make this event a major success.



Guests at the reception area for registration



Dinner committee chairman (David Lau) addressing



Chief Guest Mr.Chia, President SGBC with BOG members



Senior ASC members with young ASC members



Guests deeply engrossed in the performance / eagerly awaiting Lucky draw results.



Past president Henry Yeo Speech

Mrs. Henry Yeo picking the lucky draw prize

ASHRAE HVAC Design Level 1 – Essential

Date 24th – 26th August' 2016

Location Singapore Polytechnic

ASHRAE HVAC Design Training Level 1 – Essentials was held between 24th – 26th August 2016 at Singapore Polytechnic lecture theatre. This training course was conducted by Donald L.Brandt and Er.Y.P. Chee . This 3 day training program and the most popular program by HVAC attended by many and it is conducted worldwide and at regular intervals. This program gives a great Insight into the practical skills and knowledge to design, install and maintain HVAC Systems. This course has benefitted budding professionals and enthusiasts in the industry.



Prof L.Brandt, Er. Y.P.Chee, K.C.Liew with the students.



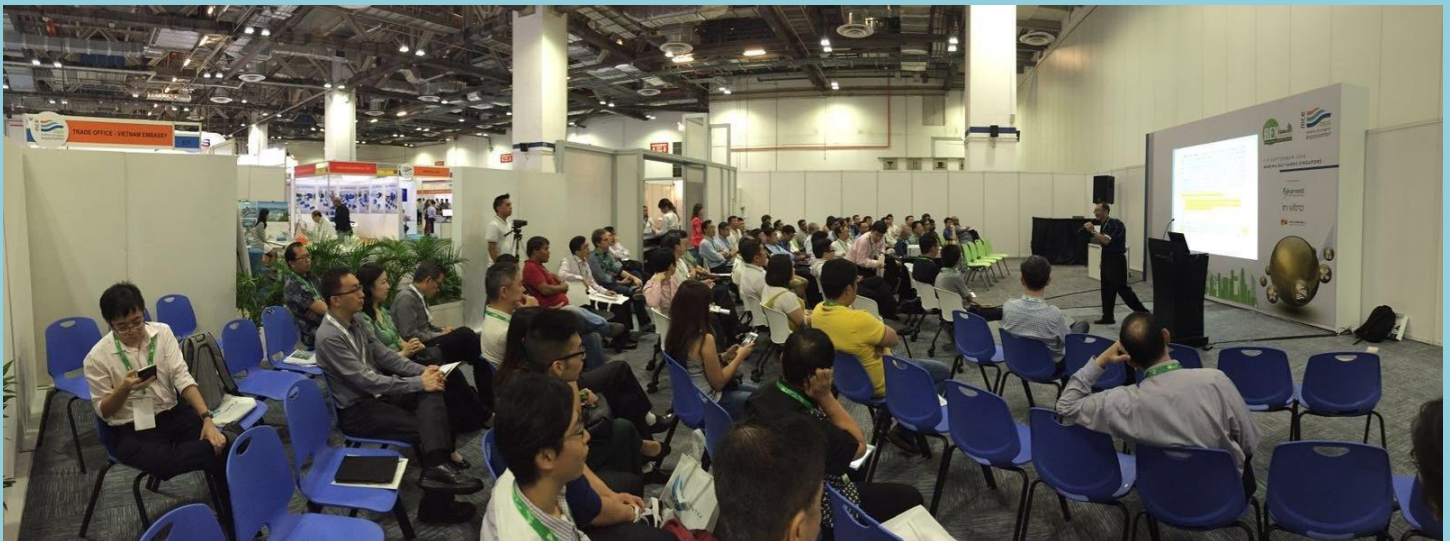
Classroom during the lecture

Green Building Conference 2016

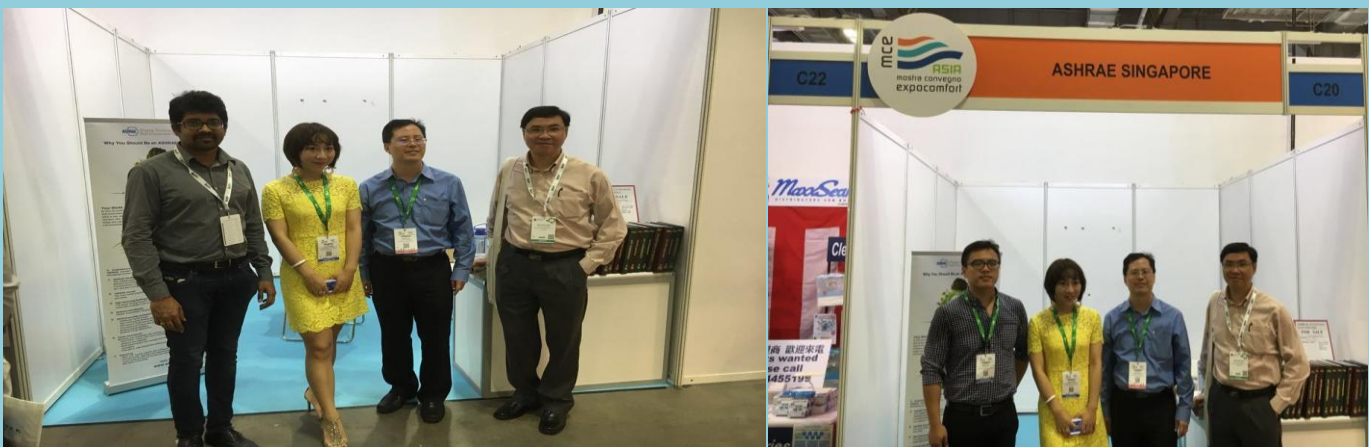
Date 7th Sep – 9th Sep

Location Marina Bay Sands

Building Expo and green Building conference a yearly event and well attended event in Singapore was held this year at the Marina Bay Sands between 7th and 9th Sept. Ashrae Singapore Chapter was provided with a booth to promote Ashrae Singapore activities and also able to sell some handbooks for professional in the industry. The money collected shall be used for the research promotion fund of Ashrae.



Ashrae Talk at Mostra Xchange



BOG Volunteers at the ASC booth

SEE YOU AGAIN IN THE NEXT NEWSLETTER.....