

## Presidential Address

An early Merry Christmas and Happy New Year to all ASC Members.

We are coming to the last month of 2022 and looking back, we had held several major events in the past two months.



My deepest appreciation to all ASC BOGs and Members for your support for our events.

Moving forward, we will be signing MOU with SIFMA on 1<sup>st</sup> Dec, having our YEA dinner social event, DL seminars, and GD-CTTC activity in Dec. We will be organising NUS-ASC joint seminar on 14<sup>th</sup> Jan 2023 and ASC-IES Joint webinar on 19<sup>th</sup> Jan 2023. We are planning members' night together with our Chinese New Year celebration. I am looking forward to meeting and seeing many of you at upcoming events.

I wish all ASC members a blessed New Year with good health.

Thank you.

Yang Junjing

President, 2022-2023

ASHRAE Singapore Chapter

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## Social Media

Please click the icons below and follow our social media



We are glad to share that our followers on LinkedIn have increased by 394 people for the past two months!

## Bilateral meeting with MASHRAE and site visit

33<sup>rd</sup> bilateral meeting between ASHRAE Singapore Chapter and ASHRAE Malaysia Chapter was successfully held on 5th Nov. at Genting Highland, Malaysia. 7 ASC board of governors and regional officers, 11 Malaysia chapter BOGs attended the meeting. Begin with a site visit to a centralized hot water system of a five-star hotel, the bilateral meeting discussed the cooperation between the two chapters and the activities of various committees.



## Asia Pacific Conference on the Built Environment (APCBE) 7<sup>th</sup> - 8<sup>th</sup> Oct 2022

16<sup>th</sup> APCBE was hosted by Macau Chapter hybridly. Singapore Chapter has actively participated in the conference. Professor Chandra Sekhar was invited to give a Keynote Talk on “ZEB Aspirations in Existing Buildings”. The keynote talk is recorded and can be viewed at: <https://www.ashraemacao.org/apcbe2022>

Chapter President Dr. Junjing Yang presented “On the potential of building adaptation measures to counterbalance the impact of climatic change in the tropics” and Chapter member Sam Lam submitted a conference proceeding on the topic of “Distributed pumping system”.

### The 16<sup>th</sup> Asia Pacific Conference on the Built Environment Net Zero Strategies For Existing Buildings Macao

7-8 October 2022



## nZEB Aspirations in Existing Buildings

**Chandra Sekhar, PhD**  
**Professor, Fellow ASHRAE & ISIAQ**  
Department of the Built Environment  
College of Design and Engineering  
National University of Singapore



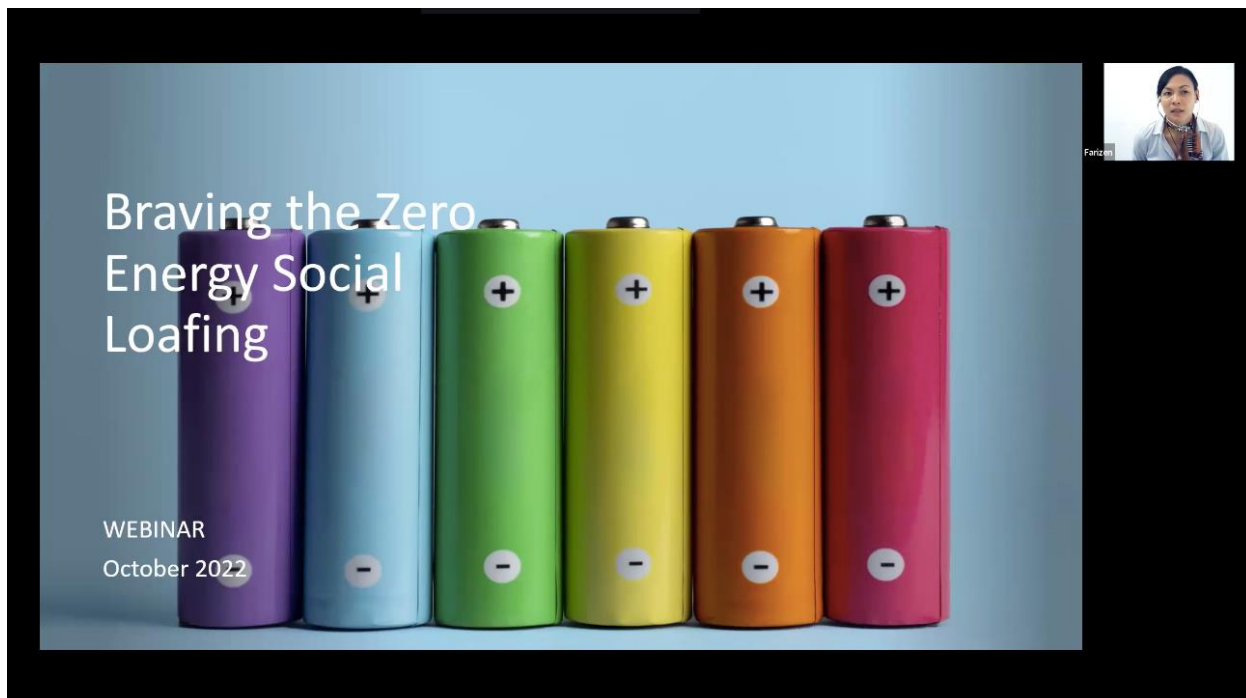
## ASC President Attending ASEAN M&E 2022

With leading exhibitors from across the world, ASEAN M&E 2022 was held at Kuala Lumpur, Malaysia from 7<sup>th</sup> to 9<sup>th</sup> Nov 2022. ASHRAE Singapore Chapter President Dr Yang Junjing, together with President from Malaysia Chapter, Hong Kong Chapter, Taiwan Chapter, Indonesia Chapter, Philippine chapter and representative from Thailand chapter were invited to attend the opening ceremony and reception dinner on 7<sup>th</sup> Nov. The event brings together the global Energy & REVAC community, including visitors, industry professionals, consultants and government officials.



## Webinar on Net Zero Energy Buildings

On October 26, ASC and IBPSA-sg co-hosted another webinar on the topic of Net Zero Buildings (NZB). We invited two speakers - Professor Aoife Houlihan Wiberg and our BOG member Ms Farizan d'Avezac de Moran. The two speakers highlighted the importance of net zero energy building implementation and shared their technical knowledge and practical experiences on NZB. There are 155 registrants to this webinar which indicates the great level of interest on the topic.




Braving the Zero  
Energy Social  
Loafing

WEBINAR  
October 2022

Farizan

Net Zero, Zero Carbon, Zero Net Energy,  
Net Zero Energy Building, Net Zero GHG emissions  
*What do we mean?*



The ZEB Multikomfort pilot project house, Larvik, Norway  
(Architects: Snehotta, Image: Paal-André Schwital)

Aoife

## Technical Site Visit to NTU

On November 22, we have also conducted our first technical site visit of the year. Technical site visit activities are our member-only events that aim to give ASHRAE members some “touch & feel” experience by visiting different types of HVAC systems at various sites.



A group of our ASC members participated this site visit at Nanyang Technological University (NTU) to have a deeper understanding of Passive Displacement Cooling (PDC). Dr. Ji Xiaona from the office of development & facilities management (ODFM) has given our participants an informative presentation on PDC and brought participants to have a closer look at the PDC systems implemented in NTU facilities.

## Architecture and Building Services 2022

ASHRAE Singapore Chapter is a supporting organization for Architecture and building service 2022 conference. The exhibitors had provided a dedicated booth to ASC to promote the arts and science of ASHRAE, it's membership and upcoming events. The booth was visited my many participants including students. The event was very well supported by BOG members and student members.





## Student Activities

Student Activities chair Gaurav Kumar interacted with NUS Mechanical Engineering Department year four student about ASHRAE, benefits of being an ASHRAE student member and being part of HVAC, Engineering & Sustainability community. ASC will be working closely with the students for knowledge sharing, career development opportunities and networking.



## Government Affairs Activities

### a. Awareness & Communication Program



As the world celebrated the “World Standards Day” on the 14<sup>th</sup> October, Government Affairs team at ASC had raised awareness about ASHRAE, its mission and importance of Standards & Standardization to enable sustainable built environment for better tomorrow. The team also took this opportunity to recognize all contributors hard work, commitment and knowledge towards continuing development of standards & guidelines to the benefit of our industry. The messaging was communicated through social media and other channels to make known ASHRAE standards as well as encourage them to become member.

### b. Advocacy Engagement Initiatives

ASC President, Government Affairs Chair and team is actively engaged on two interesting initiatives with local institutional bodies in the areas of cooling, ventilation and embodied carbon computation. These initiatives aim to develop innovation play book as well as frame work for MEP (Mechanical, Electrical and Plumbing) systems embodied carbon calculation across built environment. ASC participation on these strategic initiatives is aligned with ASHRAE’s global program on decarbonizing-built environment as well as incorporating ASHRAE's standards into policy frameworks. The team had shared the upcoming standard 240P-Evaluating Greenhouse Gas (GHG) and Carbon Emissions in Building Design, Construction and Operation, which will provide a whole life carbon approach to support emission reductions in buildings.



## RP-MP's night

Sponsored by Camfil, our members night was held on 7<sup>th</sup> Oct. Our members had a great time. Florence Chan shared a technical talk on “New WHO Guidelines and its impact on the selection of air filters for general ventilation”.

RP Committee also presented the doner recognition coins to members who contributed to ASHRAE Research Funds.



## Upcoming Events

(More details will be updated on [ASC Website](#))

1, MOU signing ceremony with SIFMA on 1<sup>st</sup> Dec

2, YEA dinner on 16<sup>th</sup> Dec

3, CTTC DL talk

Our first in-person DL event this year will be held on 13th December 2022 at Concorde Hotel.

Mr. Hoy Bohanon and Professor Chandra Sekhar will be our distinguished speakers. They will present their topics on “sustainability and resiliency - a paradigm shift in HVAC system design and operation during a pandemic “and the most recently published “ASHRAE Standard 62.1 -2022”.

The event will also be in commemoration of the 40th anniversary of ASHRAE Singapore Chapter. We wish to enhance information sharing amongst HVAC industry practitioners and, in the meantime, create a platform for everyone to network and exchange ideas.

Enjoy the special rates for ASHRAE members. Sign up for the DL event here <https://lnkd.in/gvTa839M>

4, CTTC-GA event with BCA NEA

5, NUS-ASC joint seminar on decarbonization on 14<sup>th</sup> Jan

6, ASC-IES joint webinar on 19<sup>th</sup> Jan

## ASHRAE Certification

### Certified HVAC Designer (CHD)



More than 2,750 certifications have been earned by professionals who have demonstrated their knowledge and expertise in the HVAC&R industry. Gain a competitive edge by earning an ASHRAE certification in HVAC design.

The CHD certification validates competency to do the following:

Design HVAC systems to meet building/project requirements, including equipment, equipment sizing, load calculations, mechanical equipment room design, duct and piping design and layout, and develop HVAC plans for permit and construction.

### **Why is earning the ASHRAE Certified HVAC Designer (CHD) credential the best way to gain a competitive edge?**

In a recent “Industry Need” survey, ASHRAE Member respondents who influence the HVAC Designer hiring decision had this to say:

- HVAC Designer certification is a tool to identify competent new hire prospects (74%)
- It is a worthwhile professional development goal (82%)
- HVAC Designers themselves agree that earning an HVAC Designer certification would be a “worthwhile professional development goal” (75%) and “help differentiate practitioners from their peers” (70%).

Earning the Certified HVAC Designer (CHD) certification will let your employer, peers and customers know that you have the knowledge, skills and abilities needed to get the job done, and position you for continued recognition and success.

## How do I apply?

CHD examination opens 3<sup>rd</sup> June at testing centers available worldwide. You must register for and take the examination within 90 days of 3<sup>rd</sup> June, which is 3<sup>rd</sup> September.

Visit [ASHREA Citification Webpage](#) for more details.



## Sponsor Companies

(More details will be updated on [ASC Website](#))

We are pleased to announce that members can now advertise your company's information and products on our quarterly Newsletter.

Rates are:

Half-page S\$200-00

Full-page S\$350-00

Please kindly email Elta ([elta.ascsecretariat@gmail.com](mailto:elta.ascsecretariat@gmail.com)) for more information, thank you.

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