

Presidential Address

Dear ASC Members,

On behalf of ASC, I am delighted to see good participation and industry engagement for the events held for the last quarter.



We successfully concluded the ASHRAE Singapore Chapter's 41st Annual Dinner on 3rd August 2023 at Orchard Hotel. On behalf of ASHRAE Singapore Chapter and our Board of Governors, I would like to thank everyone for your continuous support and contribution.

ASC conducted our 1st DL talk featuring two distinguished speakers - Dr. Marwa Zaatari and Mr. Derek Wong who are experts in the field of HVAC systems design and grid decarbonisation. The event provided an excellent opportunity to gain valuable insights, informative discussions, and to connect with like-minded professionals in the industry.

We look forward to welcoming you all to our next DL talk on 1st Nov 2023 themed on "The New Carbon Standards: Towards Net Zero Operational, Embodied, Upfront, and Whole Life Carbon". The DL event will be held at Singapore Polytechnic Graduates' Guild from 2.30pm to 4pm.

Stay tuned to the ASHRAE Singapore Chapter's new website and other social media platforms to access and sign-up for industry leading distinguished lectures, seminars, and workshops. The Chapter is committed to bring the best of ASHRAE which aligns with local and regional decarbonization efforts.

Thank you.

Praveen Hassan Chandrashekar
President, 2023-2024

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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 to 464 people for the past two months.

ASHRAE Singapore Chapter Distinguished Lecturer Event for Knowledge Sharing

The ASHRAE Singapore Chapter (ASC) hosted an enlightening educational event on September 11 at Singapore Polytechnic Graduates' Guild. Thanks to the remarkable knowledge and enthusiasm of our speakers and the active participation of our attendees, the event was a resounding success.

The event began with an inspiring opening remark from the ASC President, Mr. Praveen Hassan Chandrashekar. Praveen extended a warm welcome to all attendees and shared ASC's strategic directions for the year, setting the tone for an eventful and informative day.

Our first distinguished speaker, Dr. Marwa Zaatari, delivered an engaging presentation on "V in HVAC - Energy Efficient HVAC Systems Design." Her insights into energy-efficient HVAC systems were both informative and thought-provoking. Our second distinguished speaker, Mr. Derek Wong, captivated the audience with his talk on "Grid Decarbonization." His exploration of the evolving landscape of grid decarbonization provided valuable perspectives on the industry's future.

ASC is committed to promoting excellence in the fields of heating, refrigeration, and air conditioning, and events like these serve as a testament to our dedication. We extend our gratitude to the speakers, attendees, and everyone who contributed to making this event a memorable success. Stay tuned for more insightful events and activities as we continue our journey towards advancing the HVAC industry.



Membership Promotion (MP) Centralized Training

ASHRAE Singapore Chapter Membership Chair Mr. Jeffrey Eng and Membership Co-Chair Ms. Annie Tang attended Membership Promotion Centralize training at Colombo, Sri Lanka on the 7th of October 2023.

The one-day training presented by MP Committee Daniel Chudecke, Jason Urso and Nitin provides useful guidance to the MP Chair and Co-Chair on recruitment & retention of members.

We are honor to be able to meet Ms. Ginger Scoggins (ASHRAE President), Mr. Dennis Knight (President Elect) and Mr. William McQuade (Treasurer) during the training. MP Centralize training coincides with the CRC Region at large which is held at Cinnamon Grand. It provides a networking platform for us to network with participants from all around the world, especially participants from Region At Large.



Sustainable Built Environment Seminar for Students at ITE College East

On September 14, the Student Activities Chair, Tsubasa Bolt and Young Engineers in ASHRAE Chair, Hew Yoon Loong, attended the Sustainable Built Environment Seminar hosted by ITE College East. The seminar is part of the College's Built Environment Program which trains and teaches students about building operations and latest advances in technology in the industry.

For the event, Tsubasa Bolt presented on the topic "AI and IoT – Impetus and Need for Change". The presentation covered how artificial intelligence and machine learning could be applied to building operations but optimizing energy consumption and augmenting building management through predictive maintenance. The advantages of Internet of Things (IoT) devices collecting data for inputs into machine learning algorithms were also discussed. Students were engaged and participated by answering polls about artificial intelligence during the presentation.

Hew Yoon Long also provided a member recruitment talk about joining ASHRAE through the Smart Start program. He discussed the many advantages of an ASHRAE membership to one's career including keeping up-to-date on the latest industry trends, networking, and access to the many design guides and standards published by the society.



Young Engineers in ASHRAE (YEA) Night Outing

Chapters Regional Conference for Region XIII was held at Tai Chung, Taiwan from 18-19 Aug. On 19th Aug, Lim Zhi Yi and Hew Yoon Loong participated in the YEA night outing held at Feng Jia Night Market. Apart from both of us, there are YEA members from Macau, Philippines, Malaysia, Taiwan Chapter and student members from Japan Chapter.

It was a great event as we exchanged our views and challenges we face in our own chapter, enhancing interactions and communications between chapters, and gaining insight of fresh perspectives in attracting new YEA members. We extend our gratitude to all YEA members who attended this night outing to make this possible.



YEA Technical Visit to Belimo

YEA Chapter Chair, Hew Yoon Loong organized a technical visit to Belimo lab on 27th September. The technical visit is part of our new initiative to enhance the young engineers' knowledge and information on available products in the market.

The first speaker, Brandon Wong (Head of Sales) presented on Pressure Independent Control Valve (PICV) and Energy Valve. The second speaker, Royce Tayza (Senior Technical Specialist) spoke on Indoor Air Quality sensors. We would like to express our appreciation to Andrew Nah from Apex Filtration and Belimo Singapore for sponsoring our event.



ASHRAE Decarbonization challenge 2023-2024

Singapore chapter coordinating the ASHRAE Decarbonization challenge 2023-24 and the flyer below has the details to submit and qualify for a chance to be funded by ASHRAE society. Upon being selected the project will be discussed/presented during annual meeting in Indianapolis and will be published in globally circulated ASHRAE journal.

Driven by RXIII Individual chapter chairs of YEA/CTTC/SA along with President and Board of Governors accepting the challenge by ASHRAE President Ginger Scoggins, P.E. with her '23-'24 Society theme, Challenge Accepted: Tackling the Climate Crisis. Her plan includes a Decarbonization Challenge Fund, a year-long competitive grant (\$1,000 - \$10,000) program to implement decarbonization projects within Local Chapters. View challenge details [here](#).

Application submissions must meet the following criteria: *

1. Primary applicant must be a full, associate or affiliate member of ASHRAE.
2. All mandatory questions within the application must be completed.

*If the applicants are students/university researchers/any others from the industry (consultants/local projects/government funded POC-prototype projects/university funded POC-prototype projects) not affiliated to ASHRAE, they can follow up with the Local Chapter (YEA/CTTC/SA Chairs). The Local Chapter will appoint an ASHRAE member from the Chapter to be associated and help to lead the project as the Lead Applicant.

The Local Chapter Chairs along with lead applicant will help to fill up these sub-topics of the online application:

1. PAOE: Please indicate which PAOE points you believe you will satisfy for your Chapter if you receive the grant.
2. Presidential Theme: In 50-150 words, please describe how your project aligns with the 2023-2024 ASHRAE Presidential Theme?
3. Chapter Benefit: In 50-150 words, please describe how your project will benefit Local ASHRAE Chapter members.
4. Uniqueness: In 50-150 words, please describe how your project is important and unique to your chapter and local community and provides novel responses to decarbonization (to be completed by the Lead Applicant, Chapter Chairs and Execution Team).

Examples of Eligible Submissions

1. A college ASHRAE chapter uses funding to build and test a combination solar hot water heater & oven which can take the place of burning biofuels for communities

which do not have access to electrical infrastructure for decarbonizing water and food generation. The design is published as a free open-source resource with construction instructional videos provided by the project team.

2. A local consulting firm donates time and expertise to conduct an energy audit of an existing community center. Project funds are used with matching funds from equipment manufacturers & contractors to install recommended equipment resulting from energy audit. Use the project as a community education tool/space for occupants/community members, while reducing operational carbon emissions.

Challenge Timeline

NOVEMBER 30th 2023

- Applications due

JANUARY 2024

- Awards made with funds going to local chapter for use on the project
- Winning applicants in attendance at the 2024 Winter Conference in Chicago to be recognized by ASHRAE President Ginger Scoggins at President's Lunch
- Project's to being implementation.

SPRING 2024

- Project Teams will be requested to submit a mid-project update with a short narrative and photos.
-

JUNE 2024

- Project Teams will be invited to participate in a panel at the 2024 Annual Conference in Indianapolis to discuss the implementation of their project.

Upcoming events

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

Nov 1 – Distinguished Lecturer Event

Location – Singapore Polytechnic Graduates Guild

Time – 2:30PM to 4:00PM

Nov 15 – YEA Technical Visit

Details will be posted soon.

Nov 17 – ASC Seminar: Moving Towards a Low Carbon & AI-driven Built Environment at ABS Conference

Location – Sands Expo & Convention Centre, MBS

Time – 9:00AM to 12:00PM

Nov 30 – ASHRAE Decarbonization challenge 2023-24 deadline

The link to submit: <https://www.ashrae.org/COMMUNITIES/YOUNG-ENGINEERS-IN-ASHRAE-YEA/YEA-DECARB-INITIATIVE>

Dec 7 – MP/RP Night

Details will be posted soon.

ASHRAE Certification



The benefits of ASHRAE Certification accrue to both the employee and the employer. These survey findings suggest that setting ASHRAE Certification as a professional development goal for current employees can benefit the employer in a number of significant ways:

- Increased employee job satisfaction and ultimately employee retention
- Better identification and recognition of competent, skilled employees
- Enhanced project execution and resulting client satisfaction
- Additional business opportunities

These survey findings also position uncertified employees to request that their employer set ASHRAE Certification as a professional development goal.

Survey respondents agreed (96%) that they are “proud to hold my ASHRAE Certification.”

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

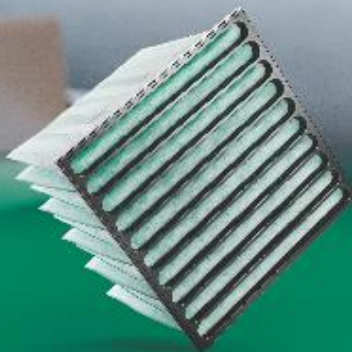
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Half-page S\$200

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

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