

Presidential Address

Dear ASHRAE Singapore Chapter Members,

It is my great honor to come to assume the position of the President of ASHRAE Singapore Chapter (ASC). Under the leadership of my predecessor Dr. Peter Cheng, ASC engaged stakeholders of the HVAC industries and related fields and strived to strengthen the connections between the ASC members as well as young engineers and students.



As you all know, we had unprecedented tough time in the last term because of the COVID-19 pandemic. We were not able to have many physical events such as ASC Annual Dinner, physical seminars, the golf event and others, and many student activities had to be unfortunately canceled. Even the Annual General Meeting (AGM) on 11 June 2021 had to be conducted online for 2 years in a row. However, we had a physical technical seminar for Chinese New Year and many webinars online in collaboration with other chapters such as Malaysia, Thailand Chapter and The Philippines Chapters. I would like to take this opportunity to extend my heartfelt thanks to Dr. Cheng and his team for their effort and contributions to the association.

For the 2021-2022 term, the new Board of Governors (BOG) and I will do our best to contribute to the ASC members and to help ASC stay relevant and adjust to the new norms in the year ahead, based on the foundations that our past Presidents have built. In this unprecedented time, we have to explore new ways of engaging our members. Although we have to postpone the ASC Annual Dinner again to the next year, we will plan online webinars and events that will be beneficial for the ASC members. I hope that we will be able to plan some physical events after the COVID-19 is controlled and hopefully settled down in the near future. We have many young promising new faces in our BOG. They are really the hope for the future. At the same time, we have many experts, who have a lot of experience in ASC and will be a compass that leads us in the right direction.


2020 and 2021 will be remembered as the years of the global pandemic. The COVID-19 poses new challenges to ASHRAE in terms of securing safety and health for people when they are in buildings. It has completely changed the way we work and is accelerating digital transformation (DX). In addition, the world is facing other social challenges such as decarbonization to prevent global warming, demand for smart buildings and cities, ageing society, and so forth. Therefore, ASHRAE will be expected to contribute to the society more and more. I hope that many people will join ASHRAE and ASC to fight against these challenges together with us.

I'm determined to work together with the BOG Members in this challenging environment. By working closely together - I mean by utilizing the capability and the talent of both young generations and experts, I'm absolutely confident that we can be stronger and develop interesting plans to engage ASC members during our term. I also hope that new committee chairs will bring in more people to the BOG activities of our chapter.

Last but not least, I thank you for your support to ASHRAE Singapore Chapter. My team and I look forward to contributing to the betterment of our chapter and ask you for any advice and suggestions. Please feel free to contact us by email or in person when necessary.

I am really looking forward to seeing you soon in as many events as possible. I wish you all the best to stay safe, healthy and happy with your families.

Yuichi Takemasa
President 2021-2022
ASHRAE Singapore Chapter



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ASC 39TH Annual General Meeting

The 39th Annual General Meeting (AGM) of ASHRAE Singapore Chapter was held on Friday 11th June 2021 and the quorum of 38 ASC members present out of a total of 184 eligible voting ASC members. Due to Covid 19 restrictions, the meeting was conducted virtually on Microsoft Teams.

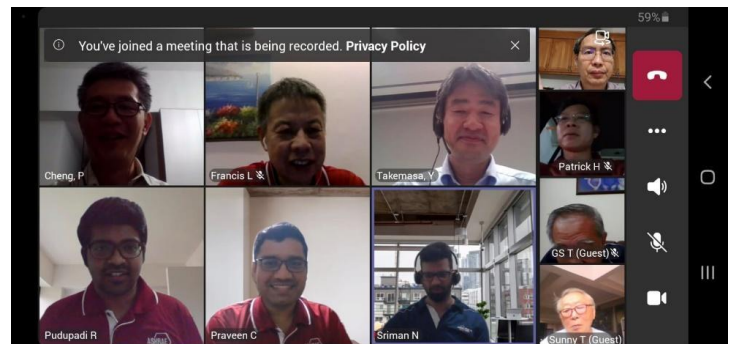
Technical sharing session was conducted before the 39th AGM. Mr. Francis Lee, ASC Past President and CRC Action Chair presented on the topic “UVGI for HVAC- sizing of UV-C lamps to meet desired dosage”.

Outgoing President, Dr. Peter Cheng welcomed all the members to the 39th AGM and thanked all the members for the support and well wishes during the term 2020-2021.

After the Secretary Report and the Treasurer Report, the Nominating Committee Chair, Prof. Wong Yew Wah mentioned that the President-Elect, Dr. Yuichi Takemasa will be automatically appointed as the Incoming President. Then, new Office Bearers and Committee Chairs were elected for the term 2021/2022.

Dr. Yuichi Takemasa gave a short speech as the Incoming President for 2021/2022. He gave his heartfelt thanks to the outgoing BOG team for their effort and contributions to ASC. He expressed his expectation for the new BOG members to work together as “one team” to make ASC stronger in spite of this unprecedented time due to the COVID-19. He also thanked ASC members for their continuing support to ASC and asked them to work together for the betterment of ASC.

As for the list of the new BOG Members, please see the next 2 pages “ASHRAE Singapore Chapter BOG Members 2021-2022”.



ASHRAE Singapore Chapter BOG Members 2021-2022

Below is the list of the Board of Governors (BOGs) and committee chairs for 2021 – 2022.



President
Name: Dr. Yuichi Takemasa
Company: Kajima Technical Research Institute Singapore, Kajima Corporation



President-Elect
Name: Dr. Yang Junjing
Company: National Environment Agency



Immediate Past President
Name: Dr. Peter Cheng
Company: Armacell Asia Pte Ltd



Hon. Secretary
Name: Mr. Ivan Liew
Company: Daikin Airconditioning Pte Ltd



Hon. Treasurer
Name: Mr. Praveen Hassan Chandrashekar
Company: Surbana Jurong Pte Ltd



Chair, Membership Promotion (MP)
Name: Mr. Sriman Chakravarthula
Company: IESVE Singapore Pte Ltd



Chair, Research Promotion (RP)
Name: Mr. Hew Yoon Loong
Company: T.Y.Lin International Pte Ltd



Chair, Chapter Technology Transfer Committee (CTTC)
Name: Mr. Rajesh Balachander
Company: Siemens Singapore



Chair, Student Activities (SA)
Name: Mr. Gaurav Kumar
Company: GreenA Consultants Pte Ltd



Chair, Young Engineers in ASHRAE (YEA)
Name: Mr. Lim Zhi Yi
Company: WSP Consultancy Pte Ltd



Chair, Government Affairs Committee (GAC)
Name: Mr. KC Liew
Company: Trane Distribution Pte Ltd



Chair, Webmaster & Electronic Communications (EC)
Name: Mr. Gao Yuan
Company: DP Sustainable Design Pte Ltd



Chair, Refrigeration
Name: Mr. Leslie Chan
Company: LG Electronics Pte Ltd



Chair, CRC Action Committee
Name: Mr. Francis Lee
Company: Airverclean Pte Ltd



Chapter Administrator
Name: Er. Patrick Ho
Company: ICON Engineers LLP



Chapter Historian
Name: Mr. David Lau
Company: Kruger Engineering Pte Ltd



BOG Member
Name: Er. Matthew Ngan
Company: Changi Airport Group Pte Ltd



BOG Member
Name: Ms. Florence Chan
Company: Camfil Singapore Pte Ltd

CRC 2021

Aug 2021

Region 13 was formed in 1998 with four chapters, i.e. Singapore, Hong Kong, Malaysia and Taiwan. Today, Region 13 has 10 chapters with the addition of; Philippines, Thailand, Indonesia, Japan, South Korea and Macao. Region 13 was the first ASHRAE Region established outside North America.

The Chapter Regional Conference (CRC) is intended to provide a forum for the dissemination of information pertaining to chapter, region and society. The term CRC defines a meeting of all the chapters of the region. The Director and Regional Chairs conduct the Chapter's Regional Committee including orientation sessions and business meetings. The conference also includes workshops, technical sessions, technical tours, addresses by Society officers, Society staff, regional award presentations and offers opportunities for regional fellowship and networking.

This year, the CRC was held virtually by Indonesia Chapter. The event started with the APCBE steering committee meeting on 7TH Aug. Followed by orientation session and executive caucus on 14th Aug. The CRC business session 1 was held on 20th Aug morning, where Regional Planning Meetings were conducted followed by a technical session. The theme of the technical session is "Sustainable and energy efficiency in district cooling system", where the ASHRAE president Mick Schwedler gave the opening remark. There were seven speakers, who have shared interesting topics.



The Business Session 2 was held on 21st Aug, where all Chapter Delegates and Regional Officers attend to report their activities for previous years and establish goals for the coming year; and student session was held on 21th Aug, and workshop training session was on 28th Aug and 4th Sep to assist Chapter Committees by educating and preparing officers to fulfil their responsibilities.

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.

HVAC Designers

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

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



Upcoming Events

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

- ASHRAE Technical Webinar
 - Date: 25 November 2021 (Thu)
 - Time: 7pm to 8.30pm
 - Topics: " The Use of Natural Refrigerants in Singapore Cold Stores "
 - Venue: ZOOM
 - Speaker: Mr. Chia Peng Kiang, Johnson Controls Pte Ltd

 - ASHRAE Technical Seminar
 - Date: 16 December 2021 (Thursday)
 - Time: 6:00 PM to 9 PM
 - Topics: " UVGI for HVAC Application"
 - 1st Presentation - Sizing of UV-C Lamps to Desired Dosage
 - 2nd Presentation - Effects of UVGI on Cooling Coil & Sizing to Meet Coil Surface Irradiance
 - Venue: SPGG, Grand Ballroom 3 (Physical Event)
 - Speaker: Mr. Francis Lee, Airverclean Pte Ltd

 - MOU Signing Ceremony between IBPSA Singapore and ASC
 - This signing ceremony will be conducted at the beginning of ASHRAE Technical Seminar on 16 Dec 2021 (Thurs) 6pm to 9pm.
- *IBPSA Singapore: International Building Performance Simulation Association, Singapore Chapter
- We will have the following events for CTTC for the 2021/2022 term. Detailed schedules will be determined later.
 - DL Seminars - 3-4 (Planned with Malaysia and possibly with Thailand, already completed 1 on 1 Nov 2021).
 - Technical Webinars – 6-7 (Already completed 2) - Mostly Online, Some Physical
 - PDH Briefing Session (For Members) - 1

[End]