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The logo for ARI XIII is displayed on a textured, light brown background. The text "ARI · XIII" is in a large, blue, sans-serif font, with "ASHRAE Regional Intelligence" in a smaller, blue, sans-serif font below it.

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*Regional Newsletter Editor (2019-22):*

**Chun-Sing Wong**

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## DRC's Message

Dear ASHRAE Members and Friends,

The past three years have been an incredible journey for me in ASHRAE. Being Region XIII's DRC was a most fulfilling experience and adventure. Back in July 2019 when I became your DRC, I would never have foreseen that my term as DRC would be the most challenging of all with the COVID pandemic resulting in lockdowns and isolation throughout the entire planet. For the entire period of my term as DRC, we improvised and embraced virtual technology to keep our members in Region XIII in constant contact and in communication with each other. I am especially proud to say that despite all the difficulties and challenges posed by COVID-19, we as a region continued to tirelessly administer ASHRAE knowledge in HVACr to our ASHRAE members throughout our region.



This newsletter article will be my final message to all as your DRC and I would like to take this opportunity to thank all my R-XIII Officers, Chapter Delegates and Alternates, Members and Friends for your support to our region during the difficult situations of the COVID-19 pandemic. I realized that this COVID pandemic has impacted some of our Chapters in Region XIII in various aspects. The good news is our Society does have some good Guidelines in the Manual for Chapter Operation (MCO) to overcome the difficulties that you may encounter in your Chapter.

I would strongly recommend for all Delegates/Alternates or BOG to read the MCO under item 11.9 Guideline for Identification of Struggling Chapters to address the following situations.

- Members less than 40 people
- No CIQ or incomplete. The names listed are no longer members
- Financial trouble
- Chapter website not update
- YEA members have no contact.
- Meetings are in-frequent and lightly attended
- Partial BOG. A few doing it all.
- Chairs not attending CRC/Centralized training.
- No activities of student programs

### Self-Assessment Tool

Chapters may also use the Chapter Health Checklist as another self-assessment tool. (See Appendix 11G in the MCO.)

### Certification Program Tool

Chapters may find another Certification Program Tool useful to help increase the number of membership and chapter's finances.

- Building Commissioning Professional (BCxP)
- Building Energy Modeling Professional (BEMP)
- Healthcare Facility Design Professional (HFDP)
- Certified HVAC Designer (CHD)
- Building Energy Assessment Professional (BEAP)
- Operation & Performance Management (OPMP)
- High-Performance Building Design Professional (HBDP)

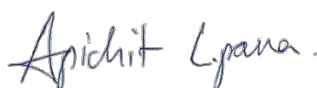
You're ASHRAE-Certified.  
Now Get the Recognition You've Earned.



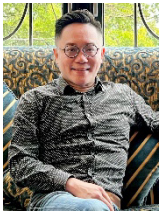
With this I bid everyone in Region XIII a fond and memorable goodbye as your DRC and hope that we can meet in person in the near future soon.

Stay well and Stay Healthy Always!

Sincerely Yours,



Apichit Lumlertpongpana  
Director and Regional Chair (2019-22)  
ASHRAE Region XIII

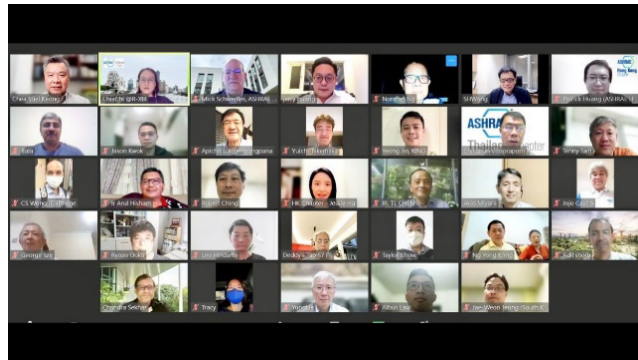


## Chapter Technology Transfer Update

Reported by **Jerry R. Huang**, Regional Vice Chair - Chapter Technology Transfer

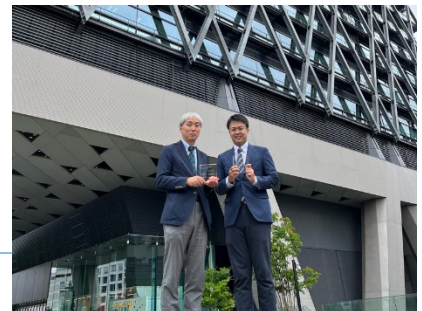
### President Virtual Visit attracts 100+ participants

During 2021 to 2022, Region XIII has already completed 11 DL programs via virtual platform. One of which is that on 14th of April, we were honored to invite Mr. Mick Schwedler, the present Society President, to deliver a 4-hour speech. 100+ participants were attracted by his rich career experiences and three practical topics: (1) Building decarbonization, (2) Advanced energy design guide overview, and (3) Chilled water system decision.



### Regional Technology Awards delivered

Due to epidemic restrictions, the Region can only send plaques to all winners of Technology Awards, including Japan, Hong Kong and Malaysia Chapters. I would like to express my sincere gratitude to Hong Kong Chapter immediate past CTT chair, Mr. Taylor CHOW, for his assistance on this arrangement.



First Place Winner - Category I – Commercial Buildings, New

DaiyaGate Ikebukuro (Seibu Properties Inc. – Japan)

Second Place Winner - Category I – Commercial Buildings, EBCx

Queensway Government Offices (Electrical and Mechanical Services Department – Hong Kong)

Honorable Mention - Category III – Health Care Facilities, New

Tin Shui Wai Hospital (Architectural Services Department – Hong Kong)



Honorable Mention - Category I – Commercial Buildings, Existing

Neurin Platform Implementation in Arup Hong Kong (Arup – Hong Kong)

Honorable Mention - Category I – Commercial Buildings, New

First World Hotel, Genting Malaysia (Genting Malaysia Berhad – Malaysia)

### 2022 ASHRAE Technology Award Winners - Society Level

Category	Category I - Commercial Buildings (New)	Category I - Commercial Buildings (Existing)	Category III - Health Care Facilities (New)
Chapter	<b>Japan Chapter</b>	<b>Hong Kong Chapter</b>	<b>Hong Kong Chapter</b>
Owner	Seibu Properties Inc.	Electrical and Mechanical Services Department	Architectural Services Department
Entrant	Shiro Tsukami	Kim-Tang Cheuk & Jeremy Ho	Suet-Fai Leung
Building Name	<b>DaiyaGate Ikebukuro</b>	<b>Queensway Government Offices</b>	<b>Tin Shui Wai Hospital</b>
Building Photo			
Award	<b>First Place and Award of Engineering Excellence</b>	<b>Honorable Mention</b>	<b>Honorable Mention</b>
Reference link	<a href="https://www.ashrae.org/technical-resources/ashrae-journal/featured-articles/march-2022-ashrae-award-of-engineering-excellence-resilient-by-design">https://www.ashrae.org/technical-resources/ashrae-journal/featured-articles/march-2022-ashrae-award-of-engineering-excellence-resilient-by-design</a>	-	-

### Welcome the incoming RVC for CTT, Mr. Gadam Sivakumar

Since July 2022, Region XIII will have a new RVC for CTT, Mr. Gadam Sivakumar. Welcome! Once again, it is my pleasure to cooperate with our excellent CTTC team members and Chapter leaders during the past three years. Thank you all.



## Government Affairs Update

Reported by **Albert Sin Yew Tek**, Regional Vice Chair - Government Affairs

Region XIII Government Affairs Committee (GAC) and Society's International Standards Interaction (ISI) Task force representative held a joint virtual meeting on 12 March 2022 with 17 participants.

The main discussion focused on:

1. ASHRAE's Task Force for Building Decarbonization (TFBD)
2. Propose to create Basecamp sharing of Region XIII's Chapters on their local ACMV building codes/ standards with referencing to ASHRAE information, and ASHRAE members representatives in their respective Standards agencies.

ASHRAE's Task Force for Building Decarbonization (TFBD) was formed in Spring 2021 as an initiative of President Chuck Gulledge and President-Elect Mick Schwedler. Jurisdictions globally are confronting climate change and recognizing that building decarbonization is an important component in their efforts. The worldwide building sector accounts for about 40% of energy-related carbon emissions and buildings remain a major sector that lacks sufficient mitigation policies. As the standards authority for energy usage in buildings, ASHRAE recognizes that our long-standing initiatives in energy efficiency should be expanded to building decarbonization. (refer to [ASHRAE Task Force For Building Decarbonization](#))

Through its Working Groups with over 100 volunteers from around the world, the TFBD is:

- Determining and engaging with other organizations with pertinent skills, knowledge and expertise
- Providing information to policy makers on how they might achieve the goals they have established
- Providing recommendations and best practices for industry stakeholders by:
  - Identifying existing portfolio of technical resources
  - Packaging these technical resources in a useful way
- Providing tools for energy efficiency, embodied carbon, and reducing operational carbon
- Identifying knowledge gaps and developing resources to address those gaps



## Student Activities Update

Reported by **Fu-Jen Wang**, *Regional Vice Chair - Student Activities*

### 2022-23 ASHRAE Undergraduate Program Equipment Grants

<https://www.ashrae.org/communities/student-zone/scholarships-and-grants/2022-23-undergraduate-program-equipment-grants>

3 Recipients from R13, Congratulation!!

- Universiti Kuala Lumpur, Experimental evaluation of solar-assisted heat pump hot water system, (Instructor, Wen Bin NG, Malaysia Chapter)
- Universiti Tunku Abdul Rahman, Evaluation of radiative cooling with thermoelectric for application in tropical region, (Instructor, Hieng Kiat JUN, Malaysia Chapter)
- National Chin-Yi University of Technology, Ventilation Performance Improvement of a Negative-pressurized Isolation Room for Infection Control, (Instructor, Fu-Jen WANG, Taiwan Chapter)

### New Student Branch Established

University of Phayao Branch, Thailand Chapter

### Design Competition

\*\*3 team joining Design Competition (under reviewing)

- University of Indonesia Team 1 (ISBD- Integrated Sustainable Building Design)
- University of Indonesia Team 2 (ISBD- Integrated Sustainable Building Design)
- The University of Hong Kong (HVAC Design Calculations)

## Hybrid Regional Planning Meeting No. 2 in Taiwan

Reported by **Hung-Wen Lin**, Chairman of RPM2

On 11th and 12th of June 2022, the ASHRAE 2022 Region XIII Hybrid RPM-2 took place. Thanks to the Regional officers and Chairman Dr. Lin Hung-Wen from Taiwan Chapter, this event was smoothly organized and completed.



It was almost a decade since Taiwan Chapter host RPM-2 last time. Moreover, it was also a brand-new experience for Taiwan to host a hybrid meeting. Taiwan needed to overcome some challenges, especially the internet equipment for networking. Before RPM-2, it was expected that every Chapter will meet in Taiwan as Taiwan has been controlling the pandemic very well since the outbreak, however Omicron swiped Taiwan since April 2022, causing border quarantined policies tightened accordingly. As the overall vaccine penetration reached about 85% in Taiwan, eventually Taiwan Chapter physically ran the on-site venue at the National Taipei University of Science and Technology, while the rest of Region XIII joint the meeting virtually.

Fortunately, it was a very successful hybrid meeting, everything was under control. Via this hybrid meeting, Taiwan Chapter gained many important experiences to face the CRC next year. Thanks again for all Region XIII officers.

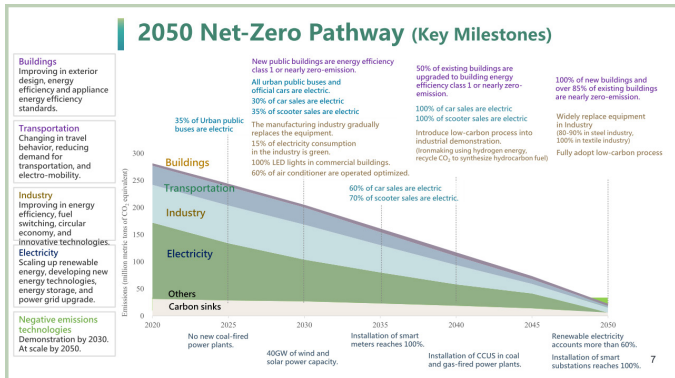
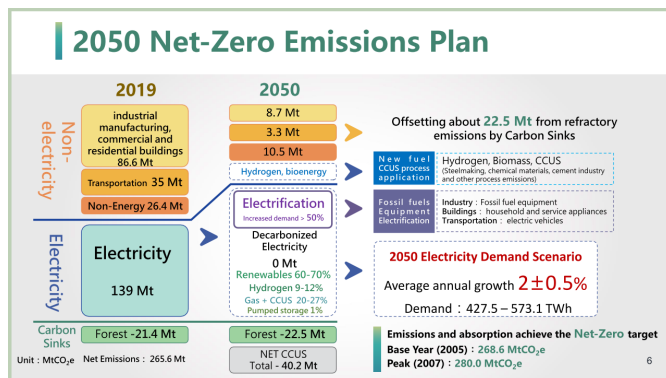
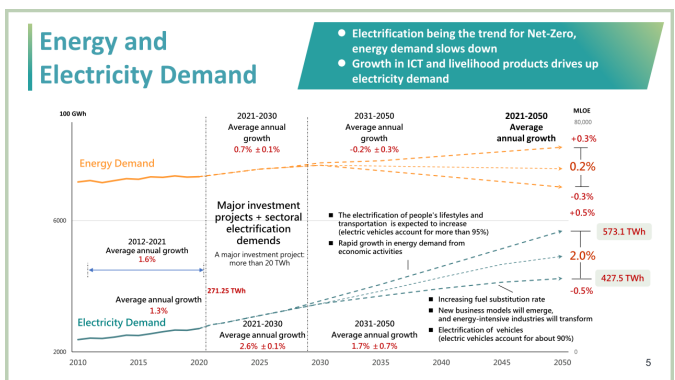
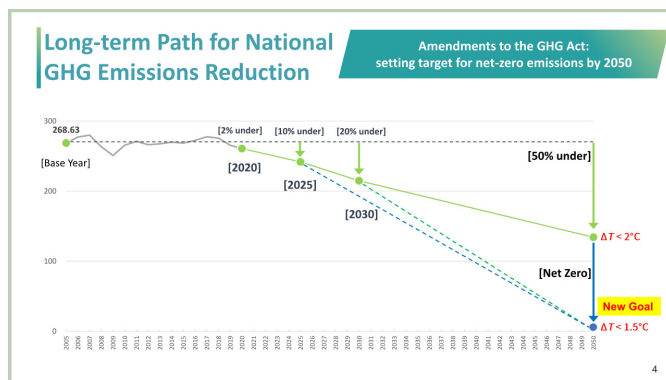


## Taiwan Chapter Highlights

Reported by **Wei-Da TU**, Taiwan Chapter President 2020-2022

### Taiwan's Pathway to Net-Zero Emissions in 2050

In March 2022, Taiwan officially published “Taiwan’s Pathway to Net-Zero Emissions in 2050”, which provides the action pathway to achieve “2050 Net-Zero Emissions”. This blueprint aims to promote technology R&D and innovation in key areas, guide the green transition of industry, and drive a new wave of economic growth. At the same time, Taiwan looks forward to promoting green financing and increasing investment at various key milestones, and to ensuring a reasonable transition period.



ASHRAE Taiwan Chapter was invited to preview the draft in early March. During the preview meeting, the President Dr. Tu offered a suggestion that ASHRAE’s handbook, standards and guidelines are handy resources for our government to consider. Our officers are willing to help implement these resources as well.

After the meeting, ASHRAE Taiwan Chapter along with Taiwan Association of ESCO and Taiwan Energy Service Association were appointed by Legislative Yuan to strengthen the strategies of Energy Saving and Efficiency. To better incorporate with government, on 11th of May, the President Dr. Tu visited the Bureau of Energy, Ministry of Economic Affairs, to discuss several milestones, such as demand side management, systematic approach, energy and oil prices, green finance, smart grid, data transparency and so on. It is expected that ASHRAE Taiwan Chapter to finalize the strategies of Energy Saving and Efficiency by September 2022.

