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DRC's Message

Dear Members of RXIII,

ASHRAE has set up a Strategic Planning Committee and embarked on focusing the future directions and goals. I will share all the updates that I received with all of you.



As you would be aware by now, the Global Technical Interaction Committee (GTIC) is now a grass-root committee, created to harness ASHRAE's global influence by maximizing the use and sharing of technical standards across regions and countries.

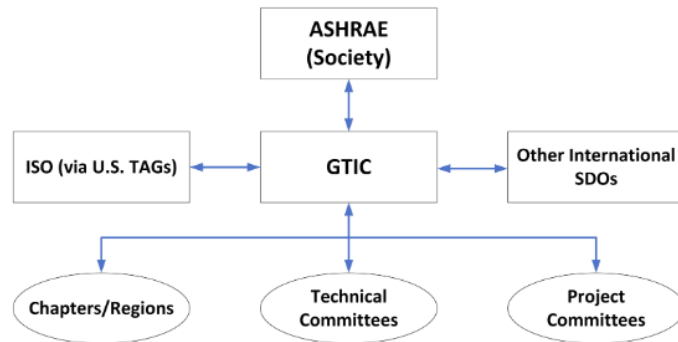


Figure 1. GTIC Interaction Flow Diagram.

At the last virtual BOD meeting, there was a motion by the DEI Advisory Committee to re-brand "DEI" to the Board of Directors IMPACT (Inclusivity for Maximizing Positive Action and Change, Together) Sub-Committee. The motion was not approved as the majority of the BOD does not agree that the proposed new title was more meaning.

Within our Region XIII, I am glad to observe that our CTTC RVC and Chapter Chairs are busy organising the DLs talks and visits. We must maximise and optimize our DL allocations for our members' benefits.

As we approach the halfway mark of 2024-2025 fiscal year, I would like to thank all of you for giving me the opportunity to represent you on the ASHRAE Board of Directors. I am extremely honoured. I enjoyed the friendship and warmth whenever we meet up. My wife and I also cherished every visit to your Chapter and Countries; your companionship will always be in our memories...

Take care always, stay healthy and stay safe!!!

Yours truly,



Leong Cheng Wee
 Director and Regional Chair (2022-25)
 ASHRAE Region XIII

ASHRAE Region XIII 2024-2025

Regional Officers, General Chairs, Committees, Chapter Delegates and Alternates

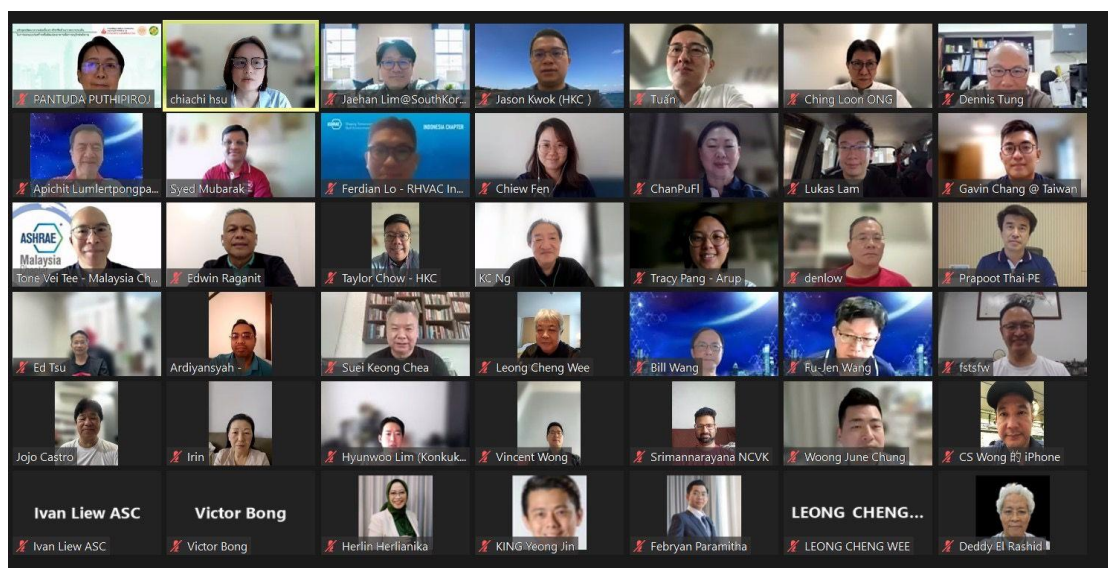
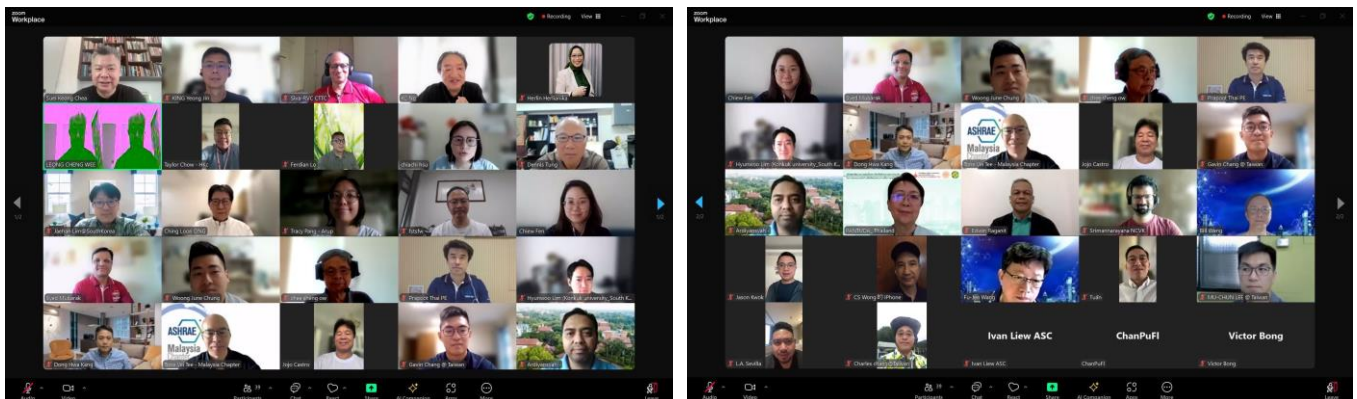
Director and Regional Chair	Leong Cheng Wee	Singapore Chapter
Assistant Regional Chair	Bill Wang	Taiwan Chapter
Region Members Council Representative	Ong Ching Loon	Malaysia Chapter
Regional Vice Chair for Chapter Technology Transfer	Gadam Sivakumar	Singapore Chapter
Regional Vice Chair for Membership Promotion	Dennis Tung	Hong Kong Chapter
Regional Vice Chair for Government Affairs	Abdul Razaak Syed Mubarak	Singapore Chapter
Regional Vice Chair for Research Promotion	Chea Suei Keong	Malaysia Chapter
Regional Vice Chair for Student Activities	Wang Fu Jen	Taiwan Chapter
Regional Vice Chair for Young Engineers in ASHRAE	Lam Chak Mou	Macao Chapter
Regional Nominating Committee Member	Tracy Pang	Hong Kong Chapter
Regional Nominating Committee Alternate	Jojo Castro	Philippines Chapter
Regional Nominating Committee Reserve Alternate	Ng Kah Choong	Malaysia Chapter
Regional Refrigeration Committee Chair	Ardiyansyah Yatim	Indonesia Chapter
Regional Historian / Conference Secretary	Ng Kah Choong	Malaysia Chapter
Regional Treasurer	Florence Chan	Singapore Chapter
Regional Electronic Communications Chair	Hsu Chia Chi	Taiwan Chapter
Regional Newsletter Editor / Webmaster	Wong Chun Sing	Hong Kong Chapter
Regional Representative (China)	Edward Tsui	Hong Kong Chapter
Region XIII Internal Auditor	Ow Chee Sheng	Malaysia Chapter
	Apichit Lumlertpongpana	Thailand Chapter
Chapters Regional Conference (CRC) General Chair 2024	Peter Chan	Macao Chapter
Chapters Regional Conference (CRC) General Chair 2025	Lim Jae Han	South Korea Chapter
APCBE Steering Committee Chair	King Yeong Jin	Malaysia Chapter
APCBE General Chair 2025	Leong Cheng Wee	Singapore Chapter
Chapter Delegate	Ivan Liew	Singapore Chapter
Chapter Alternate	Srimannarayana Vamsi Krishna Nallani	Singapore Chapter
	Chakravarthula	
Chapter Delegate	Taylor Chow	Hong Kong Chapter
Chapter Alternate	Jason Kwok	Hong Kong Chapter
Chapter Delegate	Tee Tone Vei	Malaysia Chapter
Chapter Alternate	Kozen Law	Malaysia Chapter
Chapter Delegate	Gavin Chang	Taiwan Chapter
Chapter Alternate	Lee Mun Chun	Taiwan Chapter
Chapter Delegate	Isagani G Brugada	Philippines Chapter
Chapter Alternate	Edwin Diga Raganit	Philippines Chapter
Chapter Delegate	Pantuda Puthipiroj	Thailand Chapter
Chapter Alternate	Parpoot Ponglaohapan	Thailand Chapter
Chapter Delegate	Herlin Herlianika	Indonesia Chapter
Chapter Alternate	Ferdian Lo	Indonesia Chapter
Chapter Delegate	Masayuki Ichinose	Japan Chapter
Chapter Alternate	Kitaro Mizuide	Japan Chapter
Chapter Delegate	Lim Jae Han	South Korea Chapter
Chapter Alternate	Lee Kwang Ho	South Korea Chapter
Chapter Delegate	Wong Seng Fat	Macao Chapter
Chapter Alternate	Vincent Wong	Macao Chapter

List of ASHRAE Region XIII Past Director and Regional Chairs

Director and Regional Chair (1998-2001)	Vincent Tse	Hong Kong Chapter
Director and Regional Chair (2001-2004)	Raymond Wong	Singapore Chapter
Director and Regional Chair (2004-2007)	Ow Chee Sheng	Malaysia Chapter
Director and Regional Chair (2007-2010)	Robert Hu	Taiwan Chapter
Director and Regional Chair (2010-2013)	Wichai Laksanakorn	Thailand Chapter
Director and Regional Chair (2013-2016)	Edward Tsui	Hong Kong Chapter
Director and Regional Chair (2016-2019)	Ng Yong Kong	Malaysia Chapter
Director and Regional Chair (2019-2022)	Apichit Lumlertpongpana	Thailand Chapter

1st Regional Planning Meeting (2024-25) – Virtual Meeting

The first Regional Planning Meeting for 2024-25 was organized via virtual meeting on 2 November 2024 to discuss regional matters and its development as well as updates from regional officers and each chapter.



Virtual Meeting of Regional Planning Meeting No. 1 on 2 November 2024

27th Chapters Regional Conference 2024 in Macao



Reported by
Peter Chan
CRC2024 General Chair



QR code of CRC2024
Video Highlight



The 27th Chapters Regional Conference (CRC) of ASHRAE Region XIII took place in Macau on 16 and 17 August 2024, organized by the ASHRAE Macao Chapter. The conference featured a range of activities, including seminars, technical sessions, student technical visits, presentations by Society officers, and award ceremonies for the Region.

Participants included members and students from chapters across Macau, Hong Kong, Taiwan, Japan, South Korea, Singapore, Malaysia, Thailand, Indonesia, and the Philippines. Notable attendees included ASHRAE Treasurer Ms. Sarah Maston, Director and Regional Chair Mr.

C.W. Leong, Vice President Chandra Sekhar, Research Promotion Committee Chairman Mr. Les Pereira, and Director of Technology Ms. Stephanie C. Reiniche. Distinguished lecturers from the U.S., Dr. Drury B. Crawley and Mr. Luke Leung, along with experts from Japan, Dr. M. Kitaro Mizuide, and from Hong Kong, Ms. Melody Wong, delivered keynote speeches during the technical seminars.



The event attracted 250 attendees, including nearly 100 local engineering professionals from Macau. International conferences like this one enhance cross-regional cooperation, elevate the engineering expertise of participants, and boost Macau's global standing in hosting conferences and events. The ASHRAE Regional Conference (CRC) is recognized by the International Convention and Convention Association (ICCA) as an engineering-themed event, contributing positively to Macau's annual ranking in the international conference market.



Supported by the Investment Promotion Institute of the Macau Special Administrative Region (IPIM) and Macao Studio City, the Association also held its 8th Annual Dinner in conjunction with the Conference's Banquet Dinner on 16 August 2024, at the banquet hall on the third floor of Macao Studio City, attracting 600 participants.

Business Sessions



Presidential Luncheon



Student Program



Photo Link of CRC2024: https://drive.google.com/drive/folders/1e2h6pfGqKHUZz-grziLkPQrIYym64brm?usp=drive_link

28th Chapters Regional Conference 2025 in South Korea



Reported by
Lim Jae Han
CRC2025 General Chair

◆ ASHRAE REGION XIII 28th CRC 2025



CRC2025 Website - <http://crc.ashrae.or.kr>

◆ Venue



▪ Suwon Convention Center(SSC)

- City : Suwon
- Address : 140, Gwanggyojungang-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do

• Directions

From Incheon International Airport

To Suwon Convention Center

- Airport Shuttle Bus (N8877)
(Approximately 1.5 hour)



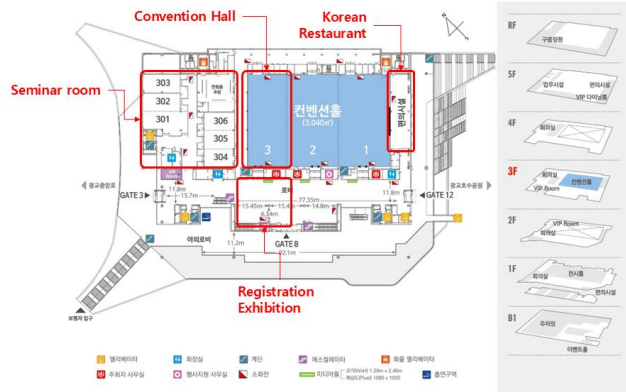
- Subway (Approximately 2.5 hour)



◆ Venue



▪ Suwon Convention Center(SSC)



ASHRAE South Korea Chapter CRC 2025 in Suwon (ASHRAE Region XIII)

◆ Conference Arrangement Committee

Sub-Committee	Name	Affiliation	e-mail	phone
General Chair	Jae Han Lim	Ewha Womans University	limjh@ewha.ac.kr	+82-10-8756-9983
Vice Chairman	Kyoung Ho Lee	Korea University	kyounglee@korea.ac.kr	+82-10-3771-3346
Secretary	Woong Juu Chung	Gachon University	wchung@gachon.ac.kr	+82-10-7235-9586
Treasurer	Dong Hwa Kang	University of Seoul	dhkang@uos.ac.kr	+82-10-2327-0390
Publicity	Alwang Lee	HMBC	alwang@hmbs.com	+82-10-8157-9794
	Sang-Min Yi	Ventilation Institute of Korea Ltd	ysm@viki.co.kr	+82-10-3287-1648
	Jong Kim Jung	Sahm Shin Engineers Inc	jjung@ssengr.com	+82-10-9012-2788
Technical Seminar	Jaehoon Chung	CH Engineering Co. Ltd	jaehoon@ch-engineering.com	+82-10-8157-9792
	Woong Juu Chung	Gachon University	wchung@gachon.ac.kr	+82-10-7235-9586
Accommodation	Sungmin Yoon	Sungshin University	syoon@ssu.ac.kr	+82-10-7355-1946
Venue	HONGWOOO Kim	ABLE ENERGY	hkim@ableenergy.com	+82-10-3969-5446
	Sung Suk Do	Hankyong National University	ssdo@hankyong.ac.kr	+82-10-8929-4742
Hospitality & Registration	Yongjae Park	University of Seoul	yongjae@uos.ac.kr	+82-10-5626-4821
	Yulgi Nam	Pusan National University	namyulgi@pusan.ac.kr	+82-10-7473-8733
Student Program	Misun Kim	Korea Institute of Energy Research	kimms@kier.ac.kr	+82-10-3887-9982
	Jaehoon Lim	Hankyong National University	jaehoonlim@hankyong.ac.kr	+82-10-9679-1987
Banquet Dinner	Jeonsook Kim	Chonnam University	jeonsook@chonnam.ac.kr	+82-10-5967-6321
	Kwang Ho Lee	Sejong University	khlee@sejong.ac.kr	+82-10-5771-3348
Abluar	Jaehoon Jeong	Hanyang University	jaehoon.jeong@hanyang.ac.kr	+82-10-8446-3070
	Young Il Kim	Seoul National University of Science and Technology	ykim@snu.ac.kr	+82-10-2639-9609

ASHRAE South Korea Chapter CRC 2025 in Suwon (ASHRAE Region XIII)

◆ Conference Programs

Date	Main conference program
15-16 August 2025	Registration
14 August 2025	Technical Tour & Welcome dinner

Venue : Suwon Convention Center

ASHRAE South Korea Chapter CRC 2025 in Suwon (ASHRAE Region XIII)

◆ Technical Tour & welcome dinner (VIP only)

Date	Time (KST)	Activity	Remarks
8/14 (Thursday)	13:00-13:20	Move by car in a group	Suwon Convention Center → Samsung Electronics Co. Gwacheon Digital City
	13:30-13:50	R3 Building Tour	Location : R3 Building
	14:00-15:00	S3M Tour	Location : S3M
	15:00-15:30	Move by car in a group	S3M → eX-Home
	15:30-16:20	Visit the eX-Home	Location : eX-Home
	16:20-16:40	Move by car in a group	eX-Home → Main Building for Home Appliances Division
	16:40-17:00	Visit the exhibition hall	Main Building for Home Appliances Division
	17:00-17:30	Tech-Seminar	SAC Training Center
	17:30-18:00	Move by car in a group	Main Building for Home Appliances Division → Suwon Convention Center
	18:00-20:00	Welcome dinner	Restaurant(TO be announced later)

We are planning to gather at the Suwon Convention Center by 1pm and take a technical tour together by car.

Region Members Council Representative Update



Reported by
Ong Ching Loon
Region Members Council
Representative

Dear Esteemed Members,

Annual chapter health assessment is due and will be conducted before 2nd week of January. This evaluation is akin to our annual body medical check-up. The objective of which is to assess the health of a chapter and to determine if a chapter’s health is categorized as a) normal chapter, or b) struggling chapter, or c) weak chapter, or d) failing chapter. Last year, the health of all chapters in Regional XIII were assessed to be normal chapter, that is, none is a struggling chapter and thus, no further action is required from chapter leaders. While that was an impressive achievement of all chapters, we should not sit on laurel of past glory. Instead, we must not only continually achieve normal chapter status but target higher rating of assessment. How about a branding of “high performing chapters”?

Just to recap, the assessments initiated by Society are based on fifteen (15) action items and their corresponding maximum points are as shown in table below:

No	Action Items	Pt ¹	No	Action Items	Pt ¹
1	Chapter CIQ filed	25	9	Files taxes and required State forms	15
2	CIQ positions filled		10	CRC Participation	15
3	Chapter meetings and special events	15	11	Chapter Communication	15
4	PAOE points	20	12	Regional Dues paid	0
5	Research Promotion	10	13	President Elect Training Participation	10
6	Membership Promotion	10	14	YEA Member Participation	15
7	Communication with DRC	10	15	Student Branches	15
8	Communication with Regional Officers	10	Grand total		185

Pt¹ is the maximum points attainable in each Action Item
Item 9 refers to submission of audited financial report and/or filing taxes to relevant authorities by chapter
Item 12 on Regional Due payment is not applicable to Region XIII

When we scrutinize the main action items as tabulated above, they are the usual activities which are being carried out dutifully and responsibly by Chapter Presidents, BOGs and chapter chairs. To achieve the maximum points of 185, what are required is to execute the action items timely, with quantitative and qualitative outputs that meet the MBO, goals of grassroots committees and others as guided in the Manual of Chapter Operations. The Plan-Do-Check-Act cycle of management framework has always been the beacon of all chapters in the implementation of our activities.

While the range of points for a normal chapter lies between 100 to 185, I am confident that collectively all chapters aspire to strive for the third quartile of this range of points simply for the fact that the quest for high achievement and taking challenges are embedded in the genes of our members and chapters. Therefore, a minimum entry point of 100 is out of the equation for us. With this setting, let’s target to be “high performing chapters” attaining healthy points of 160 and above for this Society Year and beyond.

I take this opportunity to wish all a Happy, Blessed and Successful 2025.

Thank you.

Best regards,



Ong Ching Loon
Region Members Council Representative

Chapter Technology Transfer Update



Reported by
Gadam Sivakumar
Regional Vice Chair
Chapter Technology Transfer

RXIII CTTC had completed the year 2023-24 with a fantastic progress made by all chapters and the new Society year 2024-25 started with planning from each chapter and the good progress achieved so far in the first five months.

CRC 2024 Macao: CTTC workshop has been attended by 8 chapters chairs and the planning and execution for the entire year has been well managed by all chapters.

DL : RXIII managed to finalize 11 DL events even for the Society allocated 12 by the first five months of planning by all chapters and managed many multi-chapter visits to drive decarbonization drive by CTTC.

Tech awards: Memorable performance by RXIII clinching seven Society level awards being highest amongst all regions. The official results will be published during the Society winter meeting Feb 2025.

PAOE : Great performance for RXIII to achieve 100 % PAR by all chapters. Exceptional performance by Hong Kong & Singapore chapters. Kudos to all other chapters to obtain min twice the PAR.

CTTC Chapter Committees and follow up

DL events

- 12 DL Quota allocated by Society for the society year 2024-25.
- The following is the progress of the DL events planning and execution so far.

S.No	Host Chapter	Society allocated DL visit	Lecturer	Co-host Chapters / other Events
1	Macao	16 Aug 2024	Luke Leung	For all chapters attending CRC 2024
2	Macao	16 Aug 2024	Dru Crawley	For all chapters attending CRC 2024
3	Malaysia	20 Sep 2024	Terry Rodgers	Marvex conference/ Agencies
4	Thailand	23 Sep 2024	Karine Leblanc	Karine participating other seminars
5	Taiwan	23 Oct 2024	Jim Vallort	[Multi-chapter] 25 Oct 2024 by Philippines chapter
6	Singapore	28-29 Nov 2024	Karine Leblanc	[Multi-chapter] Co-host by Malaysia chapters 24-26 Nov 2024
7	Thailand	18 Dec 2024	Marwa Zaatari	[Multi-chapter] Malaysia and Taiwan chapters co-host
8	Philippines	9-11 Dec 2024	Chris Muller	[Multi-chapter] 5-7 Dec 2024 Indonesia; 12-15 Dec 2024 Malaysia
9	Hong Kong	17-18 Feb 2025	Daniel Nall	-
10	Singapore	14 Mar 2025	Dru Crawley	[Multi-chapter] Philippines 10 Mar 2025 & Thailand - 12 Mar 2025
11	Hong Kong	27-29 Apr 2024	Darryl Boyce	[Multi-chapter] Japan 29 Apr - 1 May 2025; Singapore 1 - 3 May 2025
S.No	Host Chapter	Non-allocated DL visit	Lecturer	Co-host Chapters / other Events
1	Philippines	26-27 Sep 2024	Alexandre Kontoyanis	Virtual

RXIII 2024-25 - DL Events
Society allocated = 12
Approved until Nov 24 = 11

Some of the recent DL events conducted at various chapters



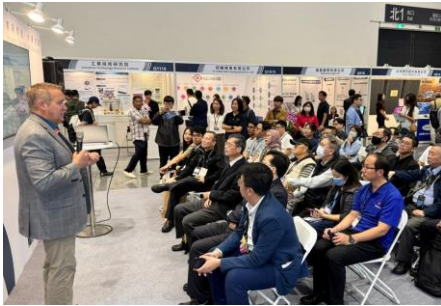
CRC2024 @Macao Chapter – Luke Leung & Dru Crawley



Malaysia Chapter – Terry Rodgers



Thailand Chapter – Karine Leblanc



Taiwan Chapter – Jim Vallort



Philippines Chapter – Jim Vallort



Philippines Chapter – Alexandre Kontoyanis



Malaysia Chapter – Karine Leblanc



Singapore Chapter – Karine Leblanc



Philippines Chapter – Chris Muller

ASHRAE Technology Awards

Regional Level Technology Awards 2024-25:

Regional Winners

- Regional Winners to Hong Kong, Japan and South Korea chapters for the following categories.

Hong Kong Chapter

Project Name: Hang Seng Headquarters Building
Entrant: Paul Chiu (JLL)
Building Owner: Andy Lee (Hang Seng Bank Limited)
Chapter: Hong Kong
Category: Category I – Commercial Buildings (Existing)



Project Name: ELEMENTS
Entrant: Jill Leung (OAP Hong Kong Limited)
Building Owner: Ethan Poon (MTRC)
Chapter: Hong Kong
Category: Category I – Commercial Buildings (EBCx)



Project Name: Tuen Mun Hospital – Main Block
Entrant: Tsoi Chun Lung, Alex (Electrical and Mechanical Services Department, Government of the HKSAR)
Building Owner: Lo Fu Yin, Eddy (Electrical and Mechanical Services Department, Government of the HKSAR)
Chapter: Hong Kong
Category: Category III – Health Care Facilities (Existing)



Japan Chapter



Project Name: Kyoto City Hall Annex Building
Entrant: Koki Toyomura (Nikken Sekkei Ltd)
Building Owner: Kenji Katagi (City of Kyoto)
Chapter: Japan
Category: Category II – Other Institutional (New)



Project Name: Aichi Environmental Research Center, Aichi Prefectural Institute of Public Health
Entrant: Hiroki Yokoyama (Kume Sekkei Co., Ltd)
Building Owner: Toshikazu Nagai (Aichi Environmental Research Center, Aichi Prefectural Institute of Public Health)
Chapter: Japan
Category: Category II – Other Institutional (EBCx)



Project Name: Shiroy Data Center Campus
Entrant: Masahiko Fujisaki (Takasago Thermal Engineering Co., Ltd.)
Building Owner: Yoshinori Kato (Internet Initiative Japan Inc.)
Chapter: Japan
Category: Category IV – Industrial Facilities (New)

South Korea Chapter

Project Name: HD Hyundai Global R&D Center
Entrant: Hiroshi Ito (Nikken Sekkei Ltd)
Building Owner: Jin Hyouk Kim (HD Hyundai)
Chapter: South Korea
Category: Category I – Commercial Buildings (New)



Regional Merit Certificates

- Regional Merit Certificates to Malaysia and Hong Kong chapters for the following categories.

Malaysia Chapter

Project Name: LCDA Tower
Entrant: Chen Thiam Leong (Primetech Engineers Sdn Bhd)
Building Owner: Haji Kusyairi Bin Bostani (Land Custody and Development Authority)
Chapter: Malaysia
Category: Category I – Commercial Buildings (New)



Hong Kong Chapter

Project Name: Inland Revenue Centre
Entrant: Ngan Kwok Hip, Tony (Architectural Services Department)
Building Owner: Lam Man Ching, Adrian (Inland Revenue Department)
Chapter: Hong Kong
Category: Category II – Institutional Buildings (New)

- Appreciate the efforts from Japan, Hong Kong chapters for keeping the RXIII Flag flying high in the ASHRAE Global competition. RXIII recognizes efforts from South Korea and Malaysia to join the technology awards competition. It is requested that other chapters follow in their footsteps and start to prepare for the next year competition.
- Request Chapter chairs to encourage members & companies for Chapter/Regional/Society level submissions:- <https://www.ashrae.org/membership/honors-and-awards/technology-awards-program>

ASHRAE Technology Awards 2025-26:

The deadlines for Regional and Society level submissions for 2025-26 Technology Awards for RXIII will be as below:

- RXIII Regional level Tech Awards deadline for chapters to submit to RVC: 15 February 2025
- RXIII Society level Tech Awards deadline for the chapters to submit to RVC: 15 May 2025

Please also take note that regional submission should be same as Society level submission with narrative of max 10 pages +3 pages application with entrant signature is sufficient.

PAOE (Presidential Award Of Excellence)

- As Society measures the chapter level development/progress/ activities through PAOE points, chapters have been consistently following up with PAOE and achieved fantastic year end 15th July 2024 PAOE results for RXIII as below. Hong Kong chapter did super exceptional performance for CTTC for RXIII followed by Singapore, Malaysia and Taiwan chapters with exceptional performance and all other chapters did well too with two to three times of PAR.

REGION XIII											
2023-2024 Presidential Award of Excellence (Final tally as of 15th Jul 2024)											
*Minimum and PAR points indicated are for 2023-2024											
Chapter	Chapter name	MP Min 500; PAR 800	SA Min 500; PAR 800	RP Min 800; PAR 1050	History Min 100; PAR 300	Comms Min 300; PAR 700	Chap Ops Min 600; PAR 1200	CTTC Min 550; PAR 1050	GA Min 500; PAR 650	YEA Min 300; PAR 800	Chapter PAOE Totals
142	SINGAPORE	2535	1155	3029	700	1145	2435	6000	2100	2075	21174
143	HONG KONG	5225	1965	2375	1050	1335	1770	9750	2400	3325	29195
149	MALAYSIA	2425	1740	2675	685	1250	2025	4590	3550	2150	21090
157	TAIWAN	3350	2475	2615	1300	1335	3780	4650	2550	3100	25155
167	PHILIPPINES	5775	2660	2890	1350	1700	3860	3600	2550	3500	27885
170	THAILAND	2785	880	2115	500	880	2050	2200	1350	1150	13910
183	INDONESIA	2405	1125	2550	550	1220	1460	3650	1350	1500	15810
194	JAPAN	775	490	2010	450	345	1555	2900	500	575	9600
195	SOUTH KOREA	2125	670	2500	150	555	800	2250	250	350	9650
198	MACAO	350	60	2430	100	0	10	3150	150	1875	8125

- The current PAOE points dated 11th Dec 2024 for each chapter are as below. Request all chapters follow up and update the good work done in their chapter to showcase the progress.

REGION XIII										
2024-2025 Presidential Award of Excellence (Dated 11Dec2024)										
*Minimum and PAR points indicated are for 2024-2025										
Chapter Name	MP Min 1000; PAR 1600	SA Min 500; PAR 800	RP Min 800; PAR 1050	Historical Min 100; PAR 500	Communications Min 300; PAR 700	Chapter Ops Min 600; PAR 1500	CTTC Min 550; PAR 1500	GA Min 500; PAR 1250	YEA Min 300; PAR 900	Chapter PAOE Totals
SINGAPORE	1285	60	1100	300	430	1635	2250	700	1225	8985
HONG KONG	1125	190	970	0	0	50	1100	150	1025	4610
MALAYSIA	2745	880	770	0	350	110	1000	500	600	6955
TAIWAN	1795	270	570	200	0	1785	400	150	525	5695
PHILIPPINES	1150	430	680	0	0	70	900	950	575	4755
THAILAND	2285	260	470	1950	490	2145	1050	750	750	10150
INDONESIA	1785	10	1210	0	405	100	300	900	575	5285
JAPAN	475	115	1090	0	0	140	600	150	300	2870
SOUTH KOREA	450	400	1050	0	0	180	600	150	75	2905
MACAO	75	0	1170	0	0	0	500	150	550	2445



Reported by
Syed Mubarak
Regional Vice Chair
Government Affairs

Government Affairs Update

With a resounding success of Region XIII CRC in Macao, the Government Affairs Committee (GAC) training Workshop was conducted on the 17th August 2024 with 22 participants joining the conversation to understand about GA function and ways to collaborate with stakeholders within country and the region. Various topics from building decarbonization, indoor air quality, addressing future pandemic situations, energy transition as well as building capabilities through training were discussed and shared among the participants. RVC GA has shared the importance of engaging with local government and other statutory bodies to raise awareness about ASHRAE and enable the induction of Standards and Guidelines into country specific standards to facilitate respective countries in achieving their NDC (Nationally Determined Contribution) commitment on carbon emissions and build local trained professionals.



Photo GAC Workshop, Macao CRC 2024

> 15 GA Meetings and Events

>7 Government Agencies engaged

- Key Focus Areas**
1. Decarbonization
 2. Minimum Energy Performance
 3. Low GWP Refrigerant
 4. Energy Efficiency
 5. Water Conservation
 6. Energy Transition

GA Activiites in the Region

Subsequent to CRC training and alignment on key focus areas, GA chairs are enabling various programs at their respective chapter level in engagement government agencies and other relevant bodies to raise awareness and bring about ASHRAE standards, guidelines and know-how. The programs and engagements were focused around decarbonisation, minimum energy performance, low GWP refrigerants, energy efficiency, water conservation and energy transition. All these topics very essential for countries in the ASEAN region to tackle the raising climate change issues and mitigating risks associated with it. RVC has visited to Malaysia, Indonesia and Macao to engage with GA Chairs and local stakeholders.



Government Affairs
Kigali Implementation Plan (KIP) Meeting under the Montreal Protocol with the World Bank.

Venue: Moxy Hotel, Putrajaya
Date: 14 Aug 2024
Time: 9:30am - 1:30pm
Download: [More Information](#)



Government Affairs
Ministry of Energy Transition and Water Transformation (PETRA) 2025 Budget Dialog

Venue: Leo Moggie Convention Centre, TNB Platinum, Bangsar
Date: 29 Aug 2024
Time: 9:30am - 1:30pm
Download: [More Information](#)



Government Affairs
Focus Group Discussion (FGD) With Interested Parties For The Current Status Review Study Of The National Green Labelling Scheme

Venue: Palm Garden Hotel, Putrajaya
Date: 03 Sep 2024
Time: 9:30am - 4:30pm
Download: [More Information](#)



RVC discussions and engagement during country visit – Malaysia, Indonesia and Macao



Reported by
Fu-Jen Wang
Regional Vice Chair
Student Activities

Student Activities Update

*Welcome New Student Branch of Region XIII, record-high

July, 2024 Approved

- Hong Kong Metropolitan University (HKMU), Hong Kong Chapter (July, 2024 Approved)



Photo of Hong Kong Metropolitan University Student Branch together with Student Branch Advisor, Annie Ho and Chapter President, Taylor Chow

Oct, 2024 Approved

- National Kaohsiung University of Science and Technology (NKUST), Taiwan Chapter
- SEGi University, Malaysia Chapter
- Politeknik Ungku Omar, Malaysia Chapter
- Batangas State University, Philippines Chapter
- De La Salle University – Dasmarias (DLSUD), Philippines Chapter

Nov, 2024 Submission completed

- Universiti Sains Malaysia, Malaysia Chapter (will be approved Feb 2025)

*ASHRAE Society Scholarships are under submission (due to 15 Dec), which including, Foundation Travel Award, Undergraduate Program Equipment Grants, Student Activities Travel Grant, Graduate Student Grant-in-Aid Program

*2024 Students Design Competition Winners will be granted in Feb 2025 Orlando meeting, which includes Applied Engineering Challenge (rank1, Bandung Institute of Technology Indonesia), HVAC Design Calculations (rank 3, The University of Hong Kong), HVAC System Selection (rank 3, The University of Hong Kong) and Net Zero Energy Design (rank1, University of Indonesia)



Reported by
Lam Chak Mou
Regional Vice Chair
Young Engineers in
ASHRAE (YEA)

Young Engineers in ASHRAE (YEA) Update

YEA Leadership International (YLI) in Singapore

The YEA Leadership International event was an undeniable triumph in Singapore earlier in October 2024. We have strong support from Region 13 Chapters which having 10 attendance from Region 13 in total, creating the highest attendance record number of YLI attendance from Region 13. The YLI training was characterized by a vibrant mix of enthusiasm and learning. Young engineers gathered with eager anticipation, ready to absorb the wealth of knowledge and skills on offer. Expert Business Coach, Tricia Evans, delivered insightful sessions, sparking inspiration and new ideas among attendees. Interactive workshops provided hands-on experiences, further enhancing their leadership abilities. The meticulously organized event fostered networking opportunities and meaningful connections. As the day concluded, participants left equipped with enhanced skills and a renewed sense of purpose. The event exceeded all expectations, marking a significant step forward in the development of future engineering leaders.



YEA PLANNING – YLI Scholarship

- Motion Passed in Macau CRC 2024!
- Suggest the First Round Scholarships to be awarded during South Korea CRC 2025 (August)
- Winner need to have sufficient time to apply for the YLI in 2025 (October), so advance nomination and evaluation process would be appreciated
- Application and evaluation process:
 - Nomination open - 1st Mar 2025
 - Nomination close - 31st Mar 2025
 - Evaluation start - 1st Apr 2025
 - Evaluation end - 30 Apr 2025
 - Scholarship Winner to be confirmed by May 2025



Upcoming YEA YLI Scholarship Award in Region 13

The Motion for having a YEA Scholarship for Region 13 YEAs to attend YLI was passed in the Macau CRC 2024. Region 13 YEA scholarship committee (A committee that include the DRC, all Chapter Presidents and YEA RVC) will be formed to organize the upcoming nomination and evaluation process. The target nomination will be opened in 1 March 2025 and closed in 31 March 2025. The evaluation process will take around 1 month and in early May, we will have the winners confirmed. The scholarship winners will have their award granted in the upcoming 2025 CRC, in South Korea.

Malaysia Chapter Organized DL Talk

Malaysia Chapter has organized Distinguished Lecturer Karine Leblanc, engineer, bestselling author, and international speaker, to delivery her Lecture in Malaysia Kelana Business Centre in November 2024. In order to promote the event to YEA, YEA and Student member can enjoy a Free Registration to attend this great events. Attendees were actively involved, posing thoughtful questions that led to enlightening dialogues. The meticulously planned event included interactive segments, allowing participants to apply concepts in real-time. Feedback from attendees was overwhelmingly positive, praising both the content and the organization from Malaysia Chapter.



APCBE Steering Committee Update

Asia-Pacific Conference on the Built Environment (APCBE) Steering Committee

Chair (2023-26)	Dr. King Yeong-Jin	Malaysia Chapter
Secretary (2021-2027)	Mr. Michael Sung	Hong Kong Chapter
Member (2022-2025)	Dr. Chang Chih-Chang	Taiwan Chapter
Member (2022-2025)	Dr. Thosapan Katejanekarn	Thailand Chapter
Member (2022-2025)	Dr. Young Il Kim	South Korea Chapter
Member (2023-2026)	Mr. Suryanarayana Vamsi Krishna Nallani Chakravarthula	Singapore Chapter
Member (2023-2026)	Dr. Ari Darmawan Pasek	Indonesia Chapter
Member (2024-2027)	Dr. Masayuki Ichinose	Japan Chapter
Member (2024-2027)	Mr. Chou Wai Long, Leo	Macao Chapter



Photos taken during APCBE Steering Committee Meeting in CRC2024 Macao on 17 August 2024

18th Asia-Pacific Conference on the Built Environment (APCBE) 2025 in Singapore

18th ASIA PACIFIC CONFERENCE ON BUILT ENVIRONMENT (APCBE) SINGAPORE, 2025

Shaping a Sustainable and Healthy Built Environment

6th and 7th Nov 2025, One Farrer Hotel, Singapore

THE CONFERENCE

Asia Pacific Conference on Built Environment (APCBE) is a biennial event of ASHRAE Region XIII* and was first launched in 1991 in Singapore. The 1½ -day Conference covers various aspects of the built environment and provides an excellent platform for researchers and practitioners to share ideas, best practices, new technologies, and future prospects.

ASHRAE REGION XIII

*ASHRAE Region XIII is a part of the American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE), specifically serving the Asia Pacific region. This region includes countries such as Singapore, Malaysia, Thailand, Indonesia, the Philippines, Hong Kong, Taiwan, Japan, and more. ASHRAE Region XIII is dedicated to advancing the sciences of heating, ventilation, air conditioning, and refrigeration (HVAC&R) to improve building performance, sustainability, and energy efficiency in the Asia Pacific region.

WHO WILL ATTEND

- Researchers
- Industry Professionals
- Consultants & Engineers
- Government Officials
- Building Owners
- Academics & Students
- Facility Managers

WHY ATTEND?

- Learn from renowned experts through insightful keynote presentations and technical sessions.
- Network with professionals from across the Asia Pacific and beyond.
- Explore exhibitions showcasing the latest technologies and products in the industry.
- Participate in hands-on workshops that address current challenges in building design and operations.

18th ASIA PACIFIC CONFERENCE ON BUILT ENVIRONMENT (APCBE) SINGAPORE, 2025

Shaping a Sustainable and Healthy Built Environment

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TECHNICAL PAPER TRACKS

Sustainability & Decarbonization	Healthy Built Environment	Design, Operation of buildings and HVAC systems
<ul style="list-style-type: none"> • Decarbonization • Energy Conservation • Thermal Storage • Active and passive design • Urban heat island • Net Zero 	<ul style="list-style-type: none"> • Indoor Environmental Quality • Indoor Air Quality / Airborne Virus Transmission / Cross Contamination • Occupant behaviour and adaptation • Digitalization and Controls • Resilient healthy building design and operation • Indoor chemistry and microbiology 	<ul style="list-style-type: none"> • Building simulation and prediction • IoT, smart control in buildings • Heating and Cooling • Building ventilation system • Building retrofitting • HVAC systems

CALL FOR PAPERS

Paper Submission	Date
Abstract submission deadline	15 March 2025
Notification of Abstract Acceptance	1 May 2025
Full Paper Submission	1 August 2025
Notification of Paper Acceptance	1 September 2025

CONFERENCE SCHEDULE

Nov 5, 2025 (Wednesday) – Day 0 **Nov 6, 2025 (Thursday) – Day 1**

3:00 pm Start of Registration Full Day Conference with Tea Breaks and Lunch
6:00 pm Welcome Dinner

Nov 7, 2025 (Friday) – Day 2

Half Day Conference with Tea Break

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PAPER SUBMISSION

The abstract should contain the background and objectives of the study, the methodology used, and key results. Interested authors are requested to submit the abstract in MS Word format to the APCBE Committee: abstract@apcbe2025.com

CONTACT INFORMATION

For more event details and sponsorship opportunities, please email us at: abstract@apcbe2025.com

18th APCBE CONFERENCE COMMITTEE

Chairman: **Dr. Leong Cheong Wee**
Vice Chairman: **Dr. Yang Junming**

Technical program: **Ms. Xiao Min** Accommodation: **Mr. Syed Mubarak**
Promotion & Publicity: **Ms. Dina Bala** Sponsorship: **Mr. Sriman NCVK**
Facilities: **Mr. Jeffrey Eng** Registration: **Mr. Victor Tan**

Local Advisory Panel

Dr. Yang Junming **Dr. Ng Sing Hong**
Dr. Jeffrey Chia **Dr. George See**

18th ASIA PACIFIC CONFERENCE ON BUILT ENVIRONMENT (APCBE) SINGAPORE, 2025

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Registration Rates

	Member's Rate	Non-Member's Rate
Full Board (2-day Conference)	USD 350 SGD 450	USD 380 SGD 480
Day 1 Only	USD 220 SGD 285	USD 230 SGD 300
Day 2 Only	USD 175 SGD 220	USD 185 SGD 240

REGISTER NOW

For further inquiries, please email us at: abstract@apcbe2025.com

Hong Kong Chapter Highlights

Reported by **Taylor Chow**, Hong Kong Chapter President 2024-2025



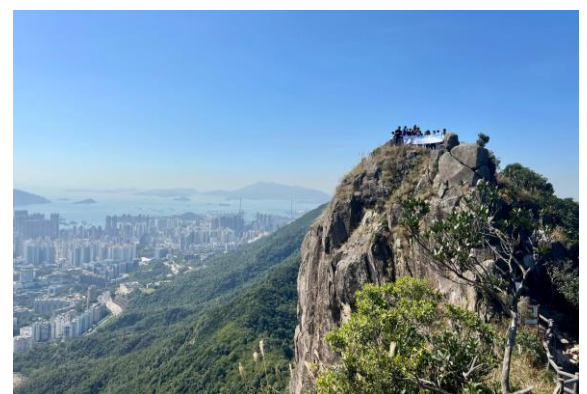
Celebrating 15 Years of the ASHRAE RP Walk: A Successful Event at Lion Rock Country Park (organized by Research Promotion Committee)



On 30 November 2024, ASHRAE Hong Kong Chapter proudly celebrated the 15th anniversary of the ASHRAE RP Walk at Lion Rock Country Park. This milestone event brought together approximately 30 enthusiastic participants committed to advancing the mission of ASHRAE and supporting HVAC&R research. To celebrate the 15th anniversary of ASHRAE RP walk, all participants and donors were received the souvenirs of tailored-made caps and pins.



The day began at 10am at MTR Lok Fu Station, where participants gathered excitedly, ready to embark on the 6 km journey. After a brief introduction and safety briefing, the group set off towards the entrance of Lion Rock Country Park, filled with a sense of community and purpose. At 11am, the group paused at the Hong Kong Reunification Pavilion for a memorable photo opportunity, capturing the spirit of unity that has defined the RP Walk over the years. For those looking for an extra challenge, an optional advanced route to the peak of Lion Rock was offered, allowing adventurers to soak in the stunning views of Hong Kong's skyline and natural beauty.





As participants made their way back to the park entrance, the atmosphere was vibrant, filled with laughter and shared stories. This year's walk not only fostered connections among ASHRAE members but also highlighted the importance of collective efforts in supporting vital research initiatives. With each step, participants contributed to the fundraising efforts aimed at enhancing the quality of life through HVAC&R advancements.

Thanks to the generous support from sponsors and the dedication of participants who reached out to their networks for contributions, the event successfully raised significant funds. Each walker was encouraged to meet their individual sponsorship goals, reinforcing the spirit of giving that has characterized the RP Walk for the past 15 years. We extend our heartfelt gratitude to all participants, volunteers, and sponsors who made the 15th anniversary of the ASHRAE RP Walk a resounding success. Your unwavering support and commitment to ASHRAE's mission are what drive our continued progress in research and Hong Kong Chapter Student Scholarship.

Yunna (Kunming) - Hong Kong Joint Symposium 2024: "Towards Carbon Neutrality" on 1-2 July 2024



The Yunna (Kunming) – Hong Kong Joint Symposium 2024 (滇港建築設備工程技術交流會 2024) jointly organized with HKIE Building Services Division, CIBSE Hong Kong Region and PolyU was held in Yun An Hui (Kunming) on 1-2 July 2024. This event gathered over 100 environmental enthusiasts, industry experts, and policymakers to discuss and promote sustainable practices. This conference marked the first gathering since the cross border joint symposium event suspension due to COVID-19, bridging a significant gap and reuniting the community. The event

kicked off with an inspiring keynote speech by Ir Poon Kwok Ying, Raymond, JP (Director of EMSD), highlighting the urgent need for innovative solutions to tackle climate change. The introduction of Kunming's party by Dr Li Kun added a fresh perspective to the discussions. This year's theme, "Towards Carbon Neutrality," set the stage for insightful sessions. Attendees participated in interactive discussions on sustainability, waste management, and green building techniques.

Joint Technical Seminar on Data Centre Decarbonization from Design to Operation on 24 September 2024

A Technical Seminar on Data Centre Decarbonization from Design to Operation jointly organized with Nano and Advanced Materials Institute (NAMI) was held at Charles K Kao Auditorium, Hong Kong Science Park on 24 September 2024 was a resounding success, bringing together industry professionals, experts, and enthusiasts dedicated to sustainable practices in the data center sector. Participants engaged in thought-provoking discussions about innovative cooling technologies, green building materials, and the role of AI in energy optimization. The diverse lineup of speakers provided invaluable insights into the latest trends and best practices for achieving carbon neutrality in data centres.



Hong Kong Joint Symposium 2024: "Innovating and Revitalizing Productivity in Building Services with 3S (Smart Sustainability and Safety) Solutions towards Carbon Neutrality" on 19 November 2024

The iconic Hong Kong Joint Symposium 2024 was successfully held on 19 November 2024. Jointly organised by ASHRAE Hong Kong Chapter, The Hong Kong Institution of Engineers (HKIE) – Building Service Division, the Chartered Institution of Building Services Engineers (CIBSE) Hong Kong Region and Department of Building Environment and Energy Engineering of The Hong Kong Polytechnic University, it has been years that we work together to provide a platform for engineers in the field to share innovative ideas and exchange practical experiences regarding building services and design.



With the theme “Innovating and Revitalizing Productivity in Building Services with 3S (Smart Sustainability and Safety) Solutions towards Carbon Neutrality ” this year, we were privileged to have Ms. Winnie HO, JP, The Secretary for Housing joined us as the Guest of Honor and delivered opening address to kick off the Symposium. Followed by Mr. Vince Arnold (President-Elect, CIBSE) delivered keynote speech before speakers presented their papers. The whole conference divided by four main different perspectives, namely “ Codes, Guidance and Policy”, “Design and Research”, “Operation and Application”, as well as “Smart, Safety and Sustainability”.

Activities organized by Chapter Technology Transfer and Chapter Programs Committees



Technical Visit to The Henderson on 11 January 2025

Activities organized by Membership Promotion Committee



Membership Promotion to Asian Institute of Built Environment (AIBE) on 4 October 2024

Activities organized by Refrigeration Committee

Activities organized by Student Activities Committee



Joint Technical Seminar on Combustion System in Cremators on 5 Dec 2024



Joint Student Branches Annual General Meeting on 19 Oct 2024

Activities organized by YEA Committee



Board Game Party on 30 Aug 2024



Boat Party on 21 Sep 2024



Joint Societies Christmas Party on 6 Dec 2024

Activities organized by Joint Committees



Technical Visit to Chiller Plant at Swire Taikoo Place (SA x YEA) on 29 Oct 2024



MP x YEA Golf on 14 Dec 2024

Taiwan Chapter Highlights

Reported by **Gavin Chang**, Taiwan Chapter President 2024-2025



2024.10.24 Taiwan Industry Week

Taiwan Industry Week was held from October 23 to 25, 2024, at the Taipei Nangang Exhibition Center. This year's event featured over 200 exhibitors, including more than 40 specializing in the refrigeration and air conditioning (HVAC) industry. ASHRAE Taiwan Chapter played a key role in organizing specialized HVAC presentations at the exhibition and hosted the second half of this year's Distinguished Lecturer (DL) seminar. The event attracted professional HVAC equipment manufacturers, design firms, and construction companies, leading to insightful and engaging discussions during the Q&A sessions following the presentations.



Through this exhibition, the professional aspects of the HVAC industry were effectively showcased to professionals from various sectors, fostering opportunities for future collaborations.



The DL seminar focused on two in-depth topics. In recent years, the design and construction of data centers in Taiwan have seen significant growth. DL Jim's topic received enthusiastic responses in Taiwan, especially concerning the performance validation of HVAC systems, which sparked extensive discussions.



2024.12.20 ASHRAE Chinese Standard 189.1 Book Launch

In recent years, the ASHRAE Taiwan Chapter has been dedicated to the localization of standards into Chinese. This year, the release of the Chinese edition of Standard 189.1 marks a significant milestone. ASHRAE Standard 189.1, "Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings," is a comprehensive framework for designing, constructing, and operating buildings that promote sustainability, energy efficiency, and indoor environmental quality. This standard serves as an excellent reference tool for Taiwan's green building and HVAC industries. After six months of dedicated effort, the translation committee successfully completed the translation of the book. The Taiwan Chapter has also supported local readers by organizing group purchases and providing explanations of the content and applications of Standard 189.1.



Macao Chapter Highlights

Reported by **Alfred Wong**, Macao Chapter President



2024.09-12 ASHRAE MACAO ACTIVITIES

Activity Number	Date	Description
1	September 12-15, 2024	Technical Visit to Grand Projects in China - Guizhou
2	September 28-29, 2024	Training Course on BREEAM
3	October 18-20, 2024	Support YEA to Participate in the Global ASHRAE Leadership Training
4	October 19, 2024	Technical Visit to the Electromechanical Assembly Module Factory and Curtain Wall Production Factory
5	November 17, 2024	Technical Visit to the Jiangmen Neutrino Laboratory
6	November 29, 2024	ASHRAE Macao Board of Governors (BoG) Meeting

Visit to Remarkable Engineering Projects in China: Exchange and Technical Visit to Guizhou on 12-15 Sep 2024



Technical Visit to MiMEP Factory and Curtain Wall Production Plant on 19 Oct 2024



STEM Activity: Technical Visit to Jiangmen Neutrino Laboratory on 17 Nov 2024

