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ASHRAE Regional Intelligence

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DRC's Message - Rolling Off and Thank You

Greetings to fellow Region XIII members,

It has been an incredible and memorable journey for me working with all of you over the past 3 years. I am truly grateful for the opportunity to represent Region XIII at the Board and be the liaison between Society and all of you. I am very thankful for your trust and confidence in me to take on this role. I hope, in your opinion, I carried out my tasks and duties decently and responsibly; and did not let you all down...



I deeply appreciate the support and collaboration from our Region XIII Team. I am also very indebted to them for their volunteer and taking precious time-off to serve all the members in our Region. I am very blessed and grateful particularly with Ir. KC Ng being the Secretary cum Historian; he is constantly assisting and reminding me on the next step and duties to be carried out. I am also proud of what the entire Team has accomplished and their willingness to serve Region XIII together with me.

I am very glad to see many LeadDRS shadowing the Society's Vice Presidents and me as well as greater attendance at YLI conventions. These young ASHRAE members are our future and hopefully become our Leaders in ASHRAE. We are also very happy for our RP Top Dog, Ir. Chea Sui Keong, recently being elected as Society RP Committee Vice President. Last year, Region XIII boasts of many awards winners and Fellows holding our flag high in the Plenary Session during the last Winter Meeting in Orlando. I hope we keep the momentum up!!!

As I transition out, I am very grateful to my mentors; all the past DRCs for their advices and guidance; especially thankful to Ir. Edward Tsui, whom is always there whenever I need him. Every past DRCs are my shining stars paving the way for me.

I hope everyone will give their utmost support and confidence to Ir. Ong Ching Loon, the incoming Region XIII DRC and Ir. Vorasen Leewattanakit, the incoming RMCR, for the next term of office. I am sure they both will surpass me and bring Region XIII to greater heights and stronger commanding voices at the Board.

I will always cherish the friendship with all of you. I enjoy the time I spent talking and being in your company whenever we meet. I am very fortunate to travel and visit all the Chapters and also Guam Section. It was very gratifying to reach out to all and connect during the trips. I also relished the chance to meet and make acquaintance with other members from other Regions. Being your elected representative for Region XIII is a very enriching experience for me!!!

Thank you all for the memories, the laughter, and the shared successes. Wishing you continued growth and success in all your future endeavours. I will still be around to serve Region XIII in whatever capacity I can so we will still be seeing each other...



Leong Cheng Wee

Director and Regional Chair (2022-25)

ASHRAE Region XIII

2025 ASHRAE Winter Conference in Orlando

The 2025 ASHRAE Winter Conference was held from 8-12 February 2025 at Hilton Orlando. The conference provided attendees with the opportunity to learn about the latest technology in the built environment, as well as network with other professionals in the industry. In addition to the conference, AHR Expo was also held from 10-12 February 2025, at Orange County Convention Center that the AHR Expo is the world's largest HVAC&R marketplace, hosting more than 2,800 exhibitors and attracting more than 50,000 attendees from around the world to explore new concepts and trends, exchange knowledge and continue our mission of shaping a sustainable future for all.



It was a fruitful year for Region XIII at 2025 Winter Conference. In Plenary Session on 8 February 2025, ASHRAE recognized the remarkable contributions of its members to the Society and the built environment at the 2025 Winter Conference in Orlando.

A list of the awards and recipients of Region XIII are below:



Fellow ASHRAE

Fellow ASHRAE is a membership grade that recognizes members who have attained distinction and made substantial contributions in HVAC&R and the built environment such as education, research, engineering design and consultation, publications, presentations and mentoring.

The Society elevated 2 members to the grade of Fellow:

- Linda Fu Xiao, Professor, The Hong Kong Polytechnic University, Hong Kong
- Bing-Chwen Yang, Professor, National Yang Ming Chiao University, Taiwan

Award of Engineering Excellence

The Award of Engineering Excellence was created in 1989 to recognize a first-place winner of the Society-level Technology Award competition for an outstanding application of innovative design and effective energy utilization. The recipient of the Award of Engineering Excellence will have demonstrated the best overall compliance with the judging criteria.

First place recipients of the Award of Engineering Excellence are:

- Jill Leung and Felix Chan, EBCx commercial buildings category, ELEMENTS, Hong Kong. The building is owned by MTR Corporation.



The ASHRAE Technology Awards

The ASHRAE Technology Awards recognize outstanding achievements by ASHRAE members who have successfully applied innovative building designs. Their designs incorporate ASHRAE standards for effective energy management and indoor air quality and serve to communicate innovative systems design. Winning projects are selected from entries earning regional awards.

- Hiroshi Ito and Kitaro Mizuide, new commercial buildings category, HD Hyundai Global R&D Center (GRC), Seongnam, South Korea. The building is owned by HD HYUNDAI.
- Hiroki Yokoyama, P.E.Jp, Masaya Okumiya, Dr.Eng., Kunita Shindo, P.E., and Hideki Tanaka, Dr.Eng., EBCx institutional buildings category, Aichi Environmental Research Center, Aichi Prefectural Institute of Public Health, Nagoya, Japan. The building is owned by Aichi Prefectural Government.

- Koki Toyomura, Hiromasa Tanaka and Kitaro Mizuide, new institutional buildings category, Kyoto City Hall Annex Building, Kyoto, Japan. The building is owned by the City of Kyoto.

Student Design Competition

The 2024 student competition focused on a new central public library in the heart of São Paulo, Brazil which consists of open library space, retail space, café, conference and office rooms, an automated storage and retrieval system along with numerous support spaces such as restrooms, utility rooms, and storage rooms. The goal of the library is to be a community hub to promote education, community involvement, and diversity.

First place in the Setty Family Foundation Net Zero Energy Design category was awarded to Universitas Indonesia - Team Archine. Team members are Alfian Febrianto, Alya Widha Aurellia, Bimantyo Ganggas Fadhill Ihsani, Miguel Bintang Samuel Silitonga, Muflikh Kas Yudamaulana and Risma Fitriyanti.



The Setty Family Foundation Applied Engineering Challenge

The 2024 Setty Family Foundation Applied Engineering Challenge focused on the design of a new or modified system using components from an existing HVAC unit that is at the end of its useful life to create an energy efficiency retrofit or recycled product. Designs were geared towards building decarbonization to help reduce indoor and outdoor air pollution, saving energy, recycling and/or reuse, and eliminating GHG emissions.

The first place student team is from Bandung Institute of Technology – Team Jong Java. Team members are Yoota Naufal Achmad, Achmad Mirzaq Nizar, Aeris Razan Priyanto, Daffa Fatih Rafi Andwigi, Muhammad Izzul Haq and Raihan Iqbal Bisono.

CAR-ASHRAE in China Refrigeration Expo 2025

DRC, Leong Cheng Wee, Regional Officers and Chapter Delegates were invited to attend the CAR-ASHRAE activities in 36th China Refrigeration Expo 2025 which was held on 27 – 29 April 2025 in Shanghai. The exhibition provided a rich and exciting programme presenting the latest technological advances that reflect the most significant developments and achievements in the industry.



Prior to 36th China Refrigeration Expo, 2025 CAR-ASHRAE Technical Seminar & 2025 International Symposium on Advances in High-Efficiency Cooling and Heating Technologies and Energy Efficiency Systems were also held on 26 April 2025. Peter Chan, Founding President of Macao Chapter was invited to deliver his topic about Energy Saving Measures in Macau Casinos Enhancing Comfort and Sustainability.

2nd Regional Planning Meeting (2024-25) in Philippines

Approximately 40 regional officers and chapters' representatives together with the committees of host chapter enjoyed a Welcome Reception at Baker J in Mimosa Plus Golf Clubhouse, Clark on 23 May 2025. Before the dinner, ASHRAE Region XIII Invitational Golf Tournament was organized in Mimosa Plus Golf Course.



2nd Regional Planning Meeting (RPM-2) was held at Quest Plus Conference Center Clark on 24 May 2025 with participants including Regional Officers and President-elects from 10 Chapters to discuss the regional matters and present the committees' reports as well as each chapter shared their current activities and plans in the morning session. In the afternoon, there were committees' workshops for the President-elects. In the evening, we enjoyed a dinner at a traditional Philippines restaurant.

2025 ASHRAE Annual Conference in Phoenix



The 2025 ASHRAE Annual Conference was held from 21-25 June 2025 at Sheraton Phoenix Downtown and Phoenix Convention Center. In Plenary Session on 21 June 2025, ASHRAE recognized outstanding achievements and professional excellence during its 2025 Annual Conference in Phoenix, where members were honored for their significant contributions to the Society and the built environment. The awards ceremony celebrated individuals whose work has advanced innovation, sustainability and technical leadership in HVAC&R and building sciences.

A list of the awards and recipients of Region XIII are below:

Lincoln Bouillon Award

Jean Leilani Grace N. Clemente, received the Lincoln Bouillon Award, which recognizes a member who performs the most outstanding work in increasing membership. The award commemorates Presidential Member Bouillon's efforts in recruiting new members. Clemente is Country Manager - Philippines, K-flex Malaysia Sdn Bhd, Klang, Selangor, Malaysia.

Lou Flagg Historical Award

Alan Y.W. Lam, received the Lou Flagg Historical Award, which recognizes a Chapter Gold Ribbon Award recipient for compiling information on outstanding historical projects or persons related to HVAC&R. Lam is a Senior Associate, AGA Technical Services Ltd., Hong Kong.

ASHRAE Best Paper Award

The following papers received a Best Paper Award, which recognizes the authors of the best papers presented at Society conferences:

- Ken Takahashi, Hiroyuki Ichikawa and Ryoza Ooka, Fellow Member, received an award for "Explainable AI Framework for Model Predictive Control in Energy Management Systems." Takahashi works for the University of Tokyo, Tokyo, Japan. Ichikawa is Assistant Manager, Sanken Setsubi Kogyo Co., Ltd, Tokyo, Japan. Ooka is a Professor, The University of Tokyo, Tokyo, Japan.



Distinguished Service Award

The Distinguished Service Award salutes members of any grade who have served the Society faithfully and with distinction and who have given freely of their time and talent in chapter, regional and Society activities. The following members were recognized:

- Yuguo Li, Fellow Member, Chair Professor, The University of Hong Kong, Hong Kong.
- Philip Yu, Fellow Member, Director, Trane Pacific, Hong Kong.

Distinguished 50 -Year Member Award

The Distinguished 50-Year Member Award is given to individuals who have been a member for a minimum of 50 years, and are either a past Society president, Fellow ASHRAE or Distinguished Service Award recipient or who have performed outstanding service to ASHRAE or its predecessor societies – the American Society of Heating and Ventilating Engineers (ASHVE), the American Society of Refrigerating Engineers (ASRE), and the American Society of Heating and Air-Conditioning Engineers (ASHAE).

- Ken-Ichi Kimura, Fellow Life Member, Tokorozawa, Japan.

Louise & Bill Holladay Distinguished Fellow Award

Christopher Chao, Fellow Member, received the Louise and Bill Holladay Distinguished Fellow Award. This annual award is given to an ASHRAE Fellow for continuous preeminence in engineering or research work. The honor was initiated in 1979 by Presidential Member Bill Holladay. Chao is Vice President (Research and Innovation), The Hong Kong Polytechnic University, Hong Kong.



Inauguration Ceremony of the Vietnam Chapter



Inauguration Ceremony of the ASHRAE Vietnam Chapter was held in Muong Thanh Luxury Hotel, Ho Chi Minh City on 6 June 2025. Regional Officers and Chapter Delegates were invited to attend the charter ceremony to celebrate the spirit of collaboration that defines Region XIII, and witness launching a new Chapter dedicated to advancing HVAC&R excellence in Vietnam. This moment marked more than the formation of a Chapter—it is the realization of a vision that began in 2019. Over the past years, despite challenges and delays, we remained committed to building a vibrant ASHRAE presence in Vietnam. ASHRAE Vietnam Chapter stands on the shoulders of Region XIII. Tuan Giang, Vietnam Chapter President would like to thank to the steadfast encouragement, unwavering support, and inspiring leadership from Regional Officers and Chapters in Region XIII, that dream becomes a reality.



Region Members Council Representative Update



Reported by

Ong Ching Loon

Region Members Council
Representative

Another Milestone of Region XIII in Building Leadership of YEA

During RPM2 in the beautiful city of Clark, Philippines, two (2) YEA namely Jeffrey Eng Ee Seong (Singapore Chapter) and Mark John Custodio (Philippines Chapter) were announced as the recipients of YEA Scholarship Fund for 2025-2026. Congratulations to both Jeffery and Mark. They were both being selected by a special Evaluation Committee of YEA Scholarship Fund whose evaluation was guided by delegates-approved criteria. The evaluation and selection process was chaired by our able DRC Engr Leong Cheng Wee. Both these recipients will receive a subsidy of US\$500 each to attend the annual YEA Leadership International (YLI) event from a special fund created and contributed by selfless acts of all chapters which is so commendable.

Our heartfelt thanks go to Macao chapter for moving the regional motion to create a Region XIII YEA Scholarship fund of USD\$1,000 per year for a trial period of 3 years from Society year 2024-2025 to subsidize 2 outstanding YEA members with USD\$ 500 each to attend annual YEA Leadership International (YLI) event. The motion received overwhelming support as was passed during CRC Macao 2024. Nominations and evaluation processes ensued from thereon leading to this new milestone of Region XIII.

This achievement signifies the close cooperation of all chapters in Region XIII which are able to rally behind a meaning goal of building leadership of young engineers. Discarding individual differences and opinions, leadership of Chapter Presidents rose to the occasion and each magnanimously contributed to this Scholarship Fund. A historical milestone was thus, cast. Congratulations and thank you, Chapter Presidents of Region XIII.

It is hoped that this YLI training programme will be an unspoken success and be continued beyond the 3 years' trial period as building talents have always been a national and international agenda.

Thank you.

Best regards,

A handwritten signature in black ink, appearing to read 'Ong Ching Loon'.

Ong Ching Loon

Region Members Council Representative



Reported by
Gadam Sivakumar
Regional Vice Chair
Chapter Technology
Transfer

Chapter Technology Transfer Update

RXIII CTTC had completed the year 2024-25 with a fantastic progress made by all chapters. RXIII CTTC club welcomes the new regional baby Vietnam chapter and wish them a successful year ahead.

CRC 2024 Macao : CTTC workshop has been attended by 8 chapter 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.

RXIII CTTC Chapter Committees follow up

DL events

RXIII Final DL schedule 2024-25					
S.No	Host Chapter	Society allocated DL visit	Lecturer	Co-host Chapters / other Events	Air Miles
1	Macao	16th Aug 24	Luke Leung	For all chapters attending CRC 2024	15,620
2	Macao	16th Aug 24	Dru Crawley	For all chapters attending CRC 2025	16,320
3	Malaysia	20th Sep 24	Terry Rodgers	Marvex conference/ Agencies	16,728
4	Thailand	23rd Sep 24	Karine Leblanc	Karine participating other seminars	18,200
5	Taiwan	23rd Oct 24	Jim Vallort	[Multi-chapter] 25th by PHP chapter.	15,486
6	Singapore	28-29th Nov 24	Karine Leblanc	[Multi-chapter] Co-host by Malaysia 24-26Nov24	17,760
	Thailand	18th Dec 24	Marwa Zaatari	Program cancelled due to DL travel restrictions	
7	Philippines	9-11 Dec 24	Chris Muller	[Multi-chapter] 5-7Dec Indonesia, 12-15 Dec Malaysia	23,578
8	Hong Kong	17-18 Feb25	Daniel Nall		16,224
9	Thailand	25-Feb-25	Samir Traboulsi		8,424
10	Singapore	14th Mar-25	Dru Crawley	[Multi-chapter] Philippines 10Mar & Thailand -12Mar	20,469
11	Hong Kong	28Apr- 2 May 25	Darryl Boyce	[Multi-chapter] Japan 29 April - 2 May Singapore	22,219
12	Philippines	14-17 May 25	Wade conlan	[Multi-chapter] South Korea 17 May 2024	18,294
13	Taiwan	14th Jun 25	Tracey Jumper		13,780
S.No	Host Chapter	Non-allocated DL visit	Lecturer	Co-host Chapters / other Events	223,102
1	Philippines	26-27 Sep 24	Alexandre Kontoyanis	virtual	

RXIII 2024-25 - DL Events

Society allocated = 12
Approved until Jun 25 = 13
Non-allocated = 1

RXIII: Some of the recent DL events conducted at various chapters:



Hong Kong Chapter – Daniel Nall



Thailand Chapter – Samir Traboulsi

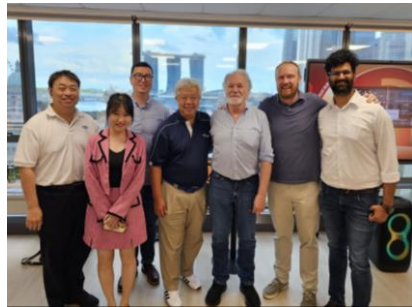




Philippines Chapter – Drury Crawley



Thailand Chapter – Drury Crawley



Singapore Chapter – Drury Crawley



Hong Kong Chapter – Darryl Boyce



Japan Chapter – Darryl Boyce



Singapore Chapter – Darryl Boyce



Philippines Chapter – Wade Conlan



South Korea Chapter – Wade Conlan



Taiwan Chapter – Tracey Jumper

ASHRAE Technology Awards

2025 ASHRAE Technology Awards (Society Level):

First Place and Award of Engineering Excellence

Project Name	ELEMENTS
Entrant / Engineer of Record	Arup
Building Owner	MTR Corporation Limited
Chapter	Hong Kong
Category	Category I: Commercial Buildings (EBCx)



First Place

Project Name	HD Hyundai Global R&D Center
Entrant / Engineer of Record	Nikken Sekkei Limited
Building Owner	HD Hyundai
Chapter:	South Korea
Category	Category I: Commercial Buildings (New)



First Place

Project Name	Kyoto City Hall Annex Building
Entrant / Engineer of Record	Nikken Sekkei Limited
Building Owner	City of Kyoto
Chapter	Japan
Category	Category II – Other Institutional (New)

First Place

Project Name	Aichi Environmental Research Center, Aichi Prefectural Institute of Public Health
Entrant / Engineer of Record	Kume Sekkei Co., Limited
Building Owner	Aichi Environmental Research Center, Aichi Prefectural Institute of Public Health
Chapter	Japan
Category	Category II – Other Institutional (EBCx)



Second Place

Project Name	Hang Seng Bank Headquarters Building
Entrant	Jones Lang LaSalle Limited
Engineer of Record	Carnot Innovations Limited
Building Owner	Hang Seng Bank Limited
Chapter	Hong Kong
Category	Category I: Commercial Buildings (Existing)

Second Place

Project Name	Shiroy Data Center Campus
Entrant / Engineer of Record	Takasago Thermal Engineering Co., Ltd.
Building Owner	Internet Initiative Japan Inc.
Chapter	Japan
Category	Category IV – Industrial Facilities (New)



Honorable Mention

Project Name	Tuen Mun Hospital (Main Block)
Entrant / Engineer of Record	Electrical and Mechanical Services Department
Building Owner	Hospital Authority
Chapter	Hong Kong
Category	Category III: Health Care Facilities (Existing)



2025-26 ASHRAE Region XIII Technology Award:

Project Name	The GEAR: Kajima Lab for Global Engineering, Architecture & Real Estate
Entrant / Engineer of Record	Kajima Corporation
Building Owner	Kajima Development
Chapter	Singapore
Category	Category I: Commercial Buildings (New)
Award	Regional Winner

Project Name	SUSTIE – Net Zero Energy Building Test Facility
Entrant	Mitsubishi Electric Corporation
Engineer of Record	Mitsubishi Jisho Design Inc.
Building Owner	Mitsubishi Electric Corporation
Chapter	Japan
Category	Category I: Commercial Buildings (New)
Award	Regional Winner

Project Name	AIRSIDE
Entrant / Engineer of Record	Arup
Building Owner	Nan Fung Development Limited
Chapter	Hong Kong
Category	Category I: Commercial Buildings (New)
Award	Regional Merit Certificate

Project Name	International Commerce Centre
Entrant	The Hong Kong Polytechnic University
Engineer of Record	Kai Shing Management Services Limited
Building Owner	Sun Hung Kai Properties
Chapter	Hong Kong
Category	Category I: Commercial Buildings (Existing)
Award	Regional Winner

Project Name	Enhancing Building Efficiency and Sustainability through Advanced Technologies in MGM COTAI
Entrant / Engineer of Record	MGM China Holdings Limited
Building Owner	MGM China Holdings Limited
Chapter	Macao
Category	Category I: Commercial Buildings (Existing)
Award	Regional Winner

Project Name	Data Driven Approach for Zero Carbon Ready Pathway at Citygate Outlets TL11
Entrant / Engineer of Record	Swire Properties Limited
Building Owner	Swire Properties Limited
Chapter	Hong Kong
Category	Category I: Commercial Buildings (EBCx)
Award	Regional Winner
Project Name	5G Predictive Control System of Air-Conditioning for Decarbonization at Nina Mall
Entrant / Engineer of Record	CLP Power Hong Kong Limited
Building Owner	Chinachem Group
Chapter	Hong Kong
Category	Category I: Commercial Buildings (EBCx)
Award	Regional Merit Certificate
Project Name	Utilization of Cloud-Based Big Data Analytic Software Platform for Chiller Plant Optimization at Two ifc
Entrant / Engineer of Record	Hensen System Engineering Limited
Building Owner	MTR Corporation Limited
Chapter	Hong Kong
Category	Category I: Commercial Buildings (EBCx)
Award	Regional Merit Certificate
Project Name	SMU Connexion
Entrant / Engineer of Record	Meinhardt (Singapore) Pte Limited
Building Owner	Singapore Management University
Chapter	Singapore
Category	Category II: Educational Facilities (New)
Award	Regional Winner
Project Name	Kurita Innovation Hub
Entrant / Engineer of Record	Nikken Sekkei Limited
Building Owner	Kurita Water Industries Limited
Chapter	Japan
Category	Category II: Other Institutional (New)
Award	Regional Winner
Project Name	Immigration Headquarters
Entrant / Engineer of Record	Architectural Services Department
Building Owner	Immigration Department
Chapter	Hong Kong
Category	Category II: Other Institutional (New)
Award	Regional Merit Certificate
Project Name	Retro-Commissioning for Chiller Plant System at Prince of Wales Hospital Main Clinical Block and Trauma Centre
Entrant / Engineer of Record	Electrical and Mechanical Services Department
Building Owner	Hospital Authority
Chapter	Hong Kong
Category	Category III: Health Care Facilities (EBCx)
Award	Regional Winner

Project Name	OKI Honjo Plant H1 Factory
Entrant / Engineer of Record	Taisei Corporation
Building Owner	OKI Electric Industry Co., Ltd.
Category	Category IV: Industrial Facilities or Processes (New)
Chapter	Japan
Award	Regional Winner

Project Name	Energy Improvement, Retro-Commissioning & Innovation Project for Existing Data Center at HK3
Entrant / Engineer of Record	Equinix Hong Kong Limited
Building Owner	MapletreeLog PF (HKSAR) Limited
Chapter	Hong Kong
Category	Category IV: Industrial Facilities or Processes (EBCx)
Award	Regional Winner

Project Name	Valais
Entrant / Engineer of Record	Hong Yip Service Company Limited
Building Owner	Maison Platinum Service Company Limited
Chapter	Hong Kong
Category	Category VI: Residential (Existing)
Award	Regional Winner

ASHRAE Technology Awards 2026-27



The deadlines for Regional and Society level submissions for 2026-27 Technology Awards for RXIII will be as below:

- RXIII Regional level Tech Awards deadline for chapters to submit to RVC :28th Feb 2026
- RXIII Society level Tech Awards deadline for the chapters to submit to RVC :15th May 2026

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

Please refer to ASHRAE website for detailed information:

<https://www.ashrae.org/membership/honors-and-awards/technology-awards-program>

- Appreciate the efforts from Japan, Hong Kong, South Korea and Singapore chapters for keeping the RXIII Flag flying high in the ASHRAE Global competition. RXIII recognizes efforts from Malaysia and Macao chapters to join the Technology Awards competition. Request other chapters follow in their footsteps and start to prepare for the next year's competition.

PAOE (Presidential Award Of Excellence)

- As Society measures the chapter level development/progress/ activities through PAOE points, RXIII chapters have been consistently following up with PAOE and achieved fantastic year end 15 July 2024 PAOE results for RXIII as below.

REGION XII											
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 for CTTC dated 15th June 2025 for each chapter are as below.

RXIII - PAOE - CTTC dt 15Jun25	
Chapter Name	CTTC Min 550; PAR 1500
SINGAPORE	5150
HONG KONG	10150
MALAYSIA	4000
TAIWAN	3950
PHILIPPINES	1950
THAILAND	3130
INDONESIA	2350
JAPAN	1850
SOUTH KOREA	1350
MACAO	2850
VIETNAM	600

- Encourage all chapters to follow up and update the good work done in their chapter to showcase the progress through updating PAOE points before the deadline 14 July 2025.



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

Young Engineer in ASHRAE (YEA) Update

Update of YEA YLI Scholarship Award in Region XIII

Celebrating Excellence: Two Outstanding Participants Win the First YEA Leadership Scholarship in Region XIII

In an exciting announcement, two exceptional individuals, Jeffrey Eng Ee Seong from Singapore Chapter and Mark John Custodio from Philippines Chapter have been awarded the first YEA Leadership Scholarship Program, providing their place at a renowned leadership training event in India later this year.

This scholarship opportunity attracted four outstanding applicants from Singapore, Philippines, Taiwan and Hong Kong Chapters, each demonstrating remarkable potential and dedication. Following a rigorous review process by all Region 13 Chapter Presidents and YEA RVC Lukas Lam, the winners emerged as shining examples of leadership, ambition, and commitment to personal and professional growth.

A big congratulations to the scholarship recipients! As part of this prestigious award, each winner will receive \$500 to support their attendance at the leadership training event, where they will have the chance to hone their skills, engage in transformative learning experiences, and connect with a global network of future leaders.

Their success serves as an inspiration, highlighting the power of determination and the significance of investing in one's future. This scholarship is more than just financial support—it is an opportunity to step into a world of new possibilities, knowledge, and growth.

We are grateful for all the support from Region 13 Chapters, including the nomination, evaluation and contribution to the scholarship. We look forward to witnessing the achievements of these brilliant minds as they embark on this exciting journey. Congratulations once again to the winners! May this experience shape their path toward even greater success.



Jeffrey Eng Ee Seong



Mark John Custodio

Hong Kong Chapter Highlights

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



Joint Student Branches Career Talk

Joint Student Branches Career Talk was successfully held on 17 January 2025. The unique session with professionals from different trades to shared their experiences, allowing students to learn more about the engineering industry at a whole. Guest speakers from the representatives of Client, Consultant, Contractor, Supplier were invited to provide a full picture to the students on their potential future paths. Causal group discussion in the event also allowed students to ask questions directly to the speakers to clear their uncertainties. The close interaction eliminated the arbitrary gap that engineers in the industry are difficult to be in touch.



ASHRAE Night 2025

ASHRAE Night, an iconic event of ASHRAE Hong Kong Chapter, was successfully held at Chiang Chen Studio Theatre of The Hong Kong Polytechnic on 20 January 2025. We were delighted to have the presence of honorable guests and over 100 esteemed members and non-members of various disciplines. Participants interacting with each other were immersed in laughter, chatting and smiling faces.

We were honored to have our respected honourable speaker, Ir Prof. MUI Kwok Wai, Horace, delivered a technical seminar titled "Development of a Humanized Adaptive Baseline Information Technology (HABIT) System for MVAC Control".



More than just an annual gathering and networking event, ASHRAE Night 2025 provided an opportunity to introduce ASHRAE and the Hong Kong Chapter to participants, express our gratitude for the generous support of our Patron Sponsors, and review the Chapter's successful activities over the past year. The event highlighted our commitment to uniting built environment professionals in pursuit of carbon neutrality and addressing climate change through advancements in Heating, Ventilation, Air-Conditioning, and Refrigeration technologies.

Student Activities x YEA - BBQ Party

On 29 March 2025, ASHRAE Hong Kong Chapter hosted a BBQ Party for students and young engineers, bringing together the next generation of professionals to connect, learn, and unwind in a relaxed setting. For students, the event provided a great chance to step beyond the classroom, gaining career insights through interactions with ASHRAE young engineers. Young engineers benefited from networking with peers and senior members, sharing ideas and building connections to shape their future in the field. Beyond work, fun was central! Attendees enjoyed delicious BBQ food, games, and a laid-back atmosphere, striking a perfect balance between professional growth and enjoyment. This mix of networking and leisure made the BBQ Party a memorable day for all!



Award of Engineering Excellence in 2025 ASHRAE Technology Award Sharing (ELEMENTS)

The Chapter Technology Transfer Committee successfully organized a highly informative and engaging technical seminar on "Award of Engineering Excellence in 2025 ASHRAE Technology Award Sharing : ELEMENTS" after our 41st Annual General Meeting on 31 March 2025. Our esteemed speaker - Ir Ethan POON and Ir Felix CHAN shared his invaluable insight on the latest advancements in digital twins and Artificial Intelligence (AI) technology, as well as the importance of data cleansing and standardization for achieving decarbonization in existing prominent shopping mall, with inspiring project details showcasing this successful projects that crowned with First Place and Award of Engineering Excellence at the 2025 ASHRAE Technology Award.



Government Outreach with ASHARE Distinguished Lecturer

On 29 April 2025, Hong Kong Chapter Secretary Barry Lau, Treasurer Jessie Hu, Governors, Tenny Tam and CS Wong, Government Affairs Committee Chair Patrick Huang, along with Distinguished Lecturer Darryl Boyce (Past Society President), met with government officials from Electrical and Mechanical Services Department (EMSD) to introduce about ASHRAE's development on building decarbonization regarding the opportunities, challenges and resources. The officials from EMSD also shared with us about the Hong Kong's plans to be carbon neutral by 2050.

Technical Seminars organized by Chapter Technology Transfer Committee

The Chapter Technology Transfer Committee of ASHRAE Hong Kong Chapter is proud to organize the tremendous success of two flagship events held in February and April 2025, which brought together industry leaders, professionals, and innovators to advance the dialogue on decarbonization and zero carbon strategies in the built environment. On 19 February 2025, the "Revealing Global and Local Decarbonization and Zero Carbon Insight 2025" seminar was held at the BEC Auditorium. This half-day technical seminar featured insightful sessions on GBA climate-responsive architecture, AI solutions for energy efficiency, and world-class sustainability design in commercial buildings. Distinguished speakers from AIA, Arup, and ASHRAE shared their expertise and experiences, sparking meaningful discussions on the challenges and opportunities in achieving net zero emissions. The seminar provided a valuable platform for knowledge exchange and networking among stakeholders across the building and construction sector.



Continuing this momentum, the "Advancing Zero Carbon Strategies in Building Systems" one-day technical seminar took place on 28 April 2025 at The Hong Kong Polytechnic University. The event gathered a stellar lineup of local and international experts to explore the latest developments in building energy efficiency, digital innovation, and practical decarbonization solutions. Sessions covered government policies, green building design, data-driven technologies, and real-world case studies, equipping participants with actionable insights and strategies for driving zero carbon transformation in Hong Kong's building sector. ASHRAE Hong Kong Chapter extends sincere gratitude to all speakers,

supporting organizations, and participants for their enthusiastic support and contributions. These events would not have been possible without the collective effort and commitment of the community. The Chapter remains dedicated to fostering professional development, collaboration, and innovation for a more sustainable and resilient built environment.

41st Anniversary Dinner

Our 41st Anniversary Dinner was held at Grand Ballroom, Crowne Plaza Hong Kong Kowloon East on 13 June 2025. There were total 52 tables with more than 630 members and guests from government, professional organization and local HVAC&R industries to celebrate 41st Anniversary of Hong Kong Chapter together.



BACnet Technical Conference 2025 - Riding on Implementation Trend of Smart Building Systems

ASHRAE Hong Kong Chapter successfully organized a BACnet Technical Conference 2025: Riding on Implementation Trend of Smart Building Systems on 27 June 2025 which was held at the BEC Auditorium in Kowloon Tong. The technical conference was conducted in hybrid modes that drew over 400 building services engineers, facility managers, academics, and data analyst, blending in-person attendance with virtual participation.

Our Guest of Honour Ir Raymond Poon, JP (Director of Electrical and Mechanical Services, HKSAR) inaugurated the conference, underscoring Hong Kong's strategic push toward intelligent, sustainable buildings. The full-day program united global experts for deep dives into BACnet's evolution and real-world implementation. Keynote webinars featured BACnet International President Andy McMillan on the protocol's future, Dr. Gabe Fierro (Colorado School of Mines) on semantic interoperability, and Prof. Llewellyn Tang (HKU) on AI-driven carbon-neutral cities. Local innovations took center stage, including Dr. Zhe Wang's (HKUST) BuildingGPT for conversational building analytics, Ir Paul Wong's (Hong Kong Baptist Hospital) cybersecurity strategies for BACnet networks, Prof. Xiao Fu's (PolyU) AI-powered energy optimization, Dr. Pan Lee's Data lake integration for smart facilities (ATAL Engineering) and Mr. Herman Chow's BACnet verification tools (HKPC).



This conference fostered unprecedented regional collaboration. We had 11 chapters in ASHRAE Region XIII and 20+ Hong Kong institutions to support this BACnet Technical Conference. The Organizing Committee highlighted the event as "a catalyst for cross-industry knowledge exchange," empowering professionals to lead Asia's smart building transformation.

Taiwan Chapter Highlights

Reported by **Gavin Chang**, Taiwan Chapter President 2024-2026



ASHRAE Taiwan Chapter Annual Meeting

The Annual Meeting is a significant event for the ASHRAE Taiwan Chapter, providing an opportunity to report on last year's accomplishments and outline the plans for the upcoming year. This year's Annual Meeting was held in conjunction with a seminar on data center design on 14 June 2025. The seminar included an introduction to ASHRAE standards and relevant regulations related to Data centers. We were honored to have Distinguished Lecturer Tracey Jumper as our guest speaker to share practical experiences in measurement and verification for data centers. As data center design is currently a very popular topic in Taiwan, the seminar was well-attended and received positive feedback from the members.



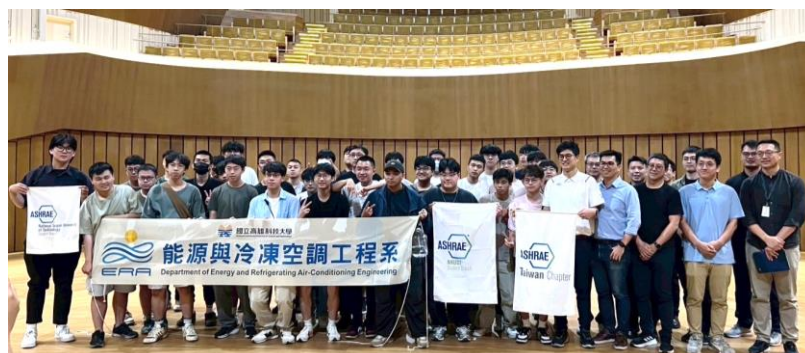
2025 Data Center Thermal Management Seminar

ASHRAE Taiwan Chapter was invited to co-organize a seminar on thermal management in data centers, held at Shalun Smart Green Energy Science City in Tainan on 13 June 2025. This event also provided an opportunity for attendees to tour the Shalun Smart Green Energy Science City and gain deeper insight into Taiwan's green energy technology.



Student Activities: Student Branch Visit to Weiwuying

The Weiwuying Metropolitan Park located in Fengshan, Kaohsiung. It is the largest single-roof performing arts venue in Taiwan. Due to its unique architectural design, the venue has high demands for occupant comfort and noise control. The ASHRAE Taiwan Chapter Student Branch had the valuable opportunity to visit the center on 28 May 2025 and learn about the HVAC system design principles from the consulting engineer. Both students and faculty members greatly benefited from this informative visit.



Macao Chapter Highlights

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



Technical Seminar on Next Generation Heating, Air Conditioning and Refrigeration Technologies

The 2025 Macao International Environmental Cooperation Development Forum and Exhibition (2025MIECF), hosted by the Macao Special Administrative Region Government and organized by the Macao Trade Promotion Institute and the Environmental Protection Bureau, was held from March 27 to 29, 2025. The aims to promote the establishment of the long-term goal of “achieving carbon peak by 2030 and carbon neutrality by 2060” in our country, green energy and emission reduction technologies will definitely become our country’s scientific research and engineering projects. In order to enable the Macao SAR to keep pace with the development of national policies, it is particularly important to deepen the understanding of relevant issues among the qualified professionals and registered technicians.



On 29 March 2025, the “Next Generation Heating, Air Conditioning and Refrigeration Technologies” seminar was held at Sicily Meeting Room, The Venetian Macao. Experts from Japan, were invited to share their experiences on advanced technologies on HVAC&R. Japan Past President, Prof. Akio Miyara from Saga University shared his research study on development of refrigeration and air-conditioning technologies for use of next-generation refrigerants. Mr. Koki Toyomura and Dr. Kitaro Mizuide from Nikken Sekkei Limited, presented the decarbonization approaches of Kyoto City Hall Buildings. Mr. Masahiro Abe from Daikin Industries, Limited delivered a topic of stability & standardization evaluation for R-1132(E) mixed refrigerant. The seminar provided a valuable insight to young engineers and local professionals on advanced development on carbon reduction and new refrigerants.

The highlight of the technical seminar on Next Generation Heating, Air Conditioning and Refrigeration Technologies on 29 March 2025 can be viewed via the following link: <https://youtu.be/WqBGaT4tSK8?si=YEu6FWnfUbHtB-PC>

Technical Seminar on Green Technologies for a More Sustainable Built Environment

“Green Technologies for a more Sustainable Built Environment” seminar was held at Macao Studio City on 20 June 2025. The aims of the seminar was to enhance the industry's understanding on green low-carbon technologies and cases in the construction sector



through this seminar, aiding Macau in achieving its carbon neutrality. Professionals from Hong Kong and Japan, were invited to share their experiences on green technologies for better sustainable built environment. Miss Melody Wong from Arup shared her experience on designing MEP Systems for data centres with prioritizing low carbon strategies. Mr. Mark Lam from NV5 Net Zero presented a topic of predicting annual energy consumption by an operationally driven design model and analytics approach for MGM Cotai. Mr. Andrew Ho from Siemens Building Technologies explained the future of building management systems. Dr. Noriyasu Maehara from Ring Gang Energy & Technology (Shanghai) Co. Ltd. shared his operational insights into chiller systems in MGM Cotai.

The publicity of the technical seminar on Green Technologies for a More Sustainable Built Environment on 20 June 2025 by local media can be viewed via the following link:

<https://www.tdm.com.mo/zh-hant/sharelink/news/1100467>

<https://www.tdm.com.mo/zh-hant/news-detail/1100527?shortvideo=0&isvideo=&category=all>