



DELEGATE & ALTERNATE CRC PACKET

REGION XIII - FALL 2022

Listed below is important bulleted information that you should know for your upcoming CRC.

Chapters Regional Committee Meeting:

There are four parts to the Chapters Regional Committee Meeting held in conjunction with the CRC: the Orientation Session, the Caucus, the Business Session and the Executive Session*. As a delegate or alternate, you will be involved in all four of these sessions. (See Instructions to Delegate & Alternate for more details)

**Executive session information for the caucus will be sent to the Regional Nominating Member and Alternate by the Board Services team. If you have any questions about the Nominating process or the executive session packet, please contact Candace DeV Vaughn (CDeVaughn@ashrae.org) or Chandrias Jacobs (CJacobs@ashrae.org).*

ASHRAE Simplified Rules of Order - <https://www.ashrae.org/communities/committees/society-rules-committee>

CRCs are expected to be fully operational in the new meeting guidance beginning July 1, 2022. The rules should be used in place of Roberts Rules of Order during all Society meetings.

Honors and Awards – www.ashrae.org/honors

- Please use the website for the most up-to-date information, current nomination forms and guidelines for all Society level, Regional and Chapter awards.
- Individuals recommended for Society Officers, Directors-at-Large, Society committees, and Society Honors and Awards must have a current ASHRAE Biographical Record on file. **Please contact your DRC for instructions to download biographical records.**

Manual for Chapter Operations (MCO) - www.ashrae.org/society-groups/chapters

- The MCO and other relative chapter information can be found on the ASHRAE website.

Transportation Reimbursement Policy - Electronic Transportation Voucher: <http://travelvoucher.ashrae.org/>

- The basic reimbursable expense limit is for the 14-day advance purchase coach airfare between destination points. You may use the ASHRAE ATC travel account - [ATC Travel Management](#); an email will be sent with instructions (see Appendix D for authorized positions)
- Transportation by private vehicle will be reimbursed the **lesser** of the current US Internal Revenue Service rate of 62.5 cents per mile or the 14-day advance coach airfare

The following items are included for your use during the CRC meeting:

- | | |
|--|---|
| • Copy of minutes from the 2021 meeting | • ASHRAE 2021-22 CRC Summary Report |
| • List of Delegates & Alternates | • Guidelines for Motions |
| • List of Regional Officers | • Honors and Awards listing |
| • Instructions to Delegates and Alternates | • List of ASHRAE Standing Committees |
| • Instructions for CRC Summary Report | • Job Descriptions for the DRC & RMCR Positions |

Thank you for your continued support of ASHRAE activities and have a wonderful, fun and successful CRC!

INSTRUCTIONS TO DELEGATE & ALTERNATE FOR CRC

Chapters Regional Committee Meeting

There are four parts to the Chapters Regional Committee Meeting held in conjunction with the Chapters Regional Conference (CRC): the Orientation Session, the Caucus, the Business Session and the Executive Session. As a delegate or alternate, you will be involved in all four of these sessions.

Orientation Session

Open to all attendees, this session is held prior to the Caucus so that the Director and Regional chair can instruct the delegates and alternates on procedures and to advise them as to the regional and Society positions to be filled. During this session other non-caucus attendees can provide advice and counsel as specifically requested by a delegate or alternate. The attendance of delegates and alternates is mandatory.

Caucus (Closed Session)

This is an informal session. It is usually held at the beginning of the Chapters Regional Conference attended by only the delegates and alternates from the chapters, the regional Nominating Committee Member, the regional Nominating Committee Alternate and the regional Nominating Committee reserve alternate. The purpose is to provide a forum for the chapters to present and discuss their recommendations for candidates for regional and Society positions, Society committees, and regional and Society honors and awards. All discussions at the Nominating Committee meetings, caucus and executive sessions are confidential and shall not be divulged to any individual outside the meetings or sessions. The regional Nominating Committee Member chairs the session and the host chapter delegate is the secretary. Minutes of the Caucus are not to be published. During the Caucus, the delegates and alternates should present the biographies of the candidates who will be recommended for offices and/or honors and awards. Enough copies of the biographies should be available so that each person attending may have a copy. The two Nominating Committee representatives shall not be present while their nominations are being discussed. The host delegate shall become the temporary chair. Please note: the ASHRAE Bylaws specify that a member of the Nominating Committee **must be a full member in good standing for a period of at least five (5) years prior to the time of selection.**

Business Session

Each chapter shall, as a minimum, prepare the following in one complete package, whether a binder, CD or other form, as directed for that CRC:

1. A completely filled-out Summary Report Form (Attachment W).
2. Report of Chapter Activities for the preceding year, including committee reports.
3. Chapter Committee Chairs' MBOs.
4. A sample newsletter.
5. The Chapter's roster.

After the report phase of the Business Session, the Chapters are encouraged to present action items for changes in any Chapter, Regional or Society activities or policies.

All reports and action items presented at the Chapters Regional Conference will take place at the Business Session, except for those items specified for the Executive Session.

The chapter delegate is the voting member. The regional vice chairs, the regional Nominating Committee Member and the regional Nominating Committee Alternate attend in their official capacity. The Regional Chair is chair of the meeting. The chapter delegates report on the progress of their chapters and student branches and their recommendations concerning policy, procedures and operations of Society. Motions that are passed are then brought forward to Members Council for further consideration.

Executive Session (Closed Session)

Only the delegates and alternates from the chapters, the regional Nominating Committee Member and the regional Nominating Committee Alternate may attend the Executive Session. The regional Nominating Committee Member is the chair. The reserve alternate for the Nominating Committee Member is allowed to attend the executive session of the CRC without reimbursement for transportation. The host chapter delegate is the secretary. Minutes of the Executive Session shall not be published. Chapter delegates vote for candidates for the following:

1. Nominating Committee Member, Alternate and Reserve Alternate
2. Regional Vice Chairs
3. Regional Awards
4. Society Officers and Board of Directors (including Regional Chair, if appropriate)

The regional Nominating Committee representative will forward the report of the Executive Session to Society Executive Director/Secretary at Headquarters within 30 days of the meeting. Members who serve on Grassroots committees (Regional Vice Chairs) should be contacted as their willingness to serve before their names are submitted in this report.

Region XIII

2022-2023 Delegates and Alternates

Chapter Name	Full Name	Position	Email	Print Grade
HONG KONG	Joe Chow	Chapter Delegate	c143crcdel@ashrae.net	Member
HONG KONG	Peter Y H Lam	Chapter Alternate	c143crca@ashrae.net	Member
INDONESIA	Yongkie Tileno	Chapter Delegate	c183crcdel@ashrae.net	Associate
INDONESIA	Herlin Herlianika	Chapter Alternate	c183crca@ashrae.net	Member
JAPAN		Chapter Delegate	c194crcdel@ashrae.net	
JAPAN		Chapter Alternate	c194crca@ashrae.net	
MACAO		Chapter Delegate	c198crcdel@ashrae.net	
MACAO		Chapter Alternate	c198crca@ashrae.net	
MALAYSIA	Yeong Jin King	Chapter Delegate	c149crcdel@ashrae.net	S-B-A Member
MALAYSIA	Tone Vei Tee	Chapter Alternate	c149crca@ashrae.net	Associate
PHILIPPINES	Mark Christian E Manuel	Chapter Delegate	c167crcdel@ashrae.net	S-B-A Member
PHILIPPINES	Isagani G Brugada	Chapter Alternate	c167crca@ashrae.net	Member
SINGAPORE		Chapter Delegate	c142crcdel@ashrae.net	
SINGAPORE		Chapter Alternate	c142crca@ashrae.net	
SOUTH KOREA		Chapter Delegate	c195crcdel@ashrae.net	
SOUTH KOREA		Chapter Alternate	c195crca@ashrae.net	
TAIWAN	Dr Hung-Wen Lin	Chapter Delegate	c157crcdel@ashrae.net	Member
TAIWAN	Mr Gavin Chang	Chapter Alternate	c157crca@ashrae.net	Associate
THAILAND	Mr Pidchapad Kidkirdsang	Chapter Delegate	c170crcdel@ashrae.net	Associate
THAILAND	Dr Pantuda Puthipiroj	Chapter Alternate	c170crca@ashrae.net	Member

ASHRAE ROSTER

REGION XIII Region Officers

As of 07/01/2022

Position Director and Regional Chair
Name **Cheng Wee Leong**
Email r13drc@ashrae.net

Position Region Nominating Member
Name **Dominador De Guzman Castro, Jr**
Email r13nom@ashrae.net

Position Region Members Council Rep
Name **Ching Loon Ong**
Email r13RMCR@ashrae.net

Position Region Nominating Alternate
Name **Han Guan Den Low**
Email r13noma@ashrae.net

Position Region Chapter Technology Transfer
Name **Sivakumar Gadam**
Email r13rvccctc@ashrae.net

Position CRC General Chair
Name **Ryozo Ooka**
Email r13CRCCChair@ashrae.net

Position Region Government Affairs
Name **Yew T A Sin**
Email r13GAC@ashrae.net

Position Region Communications Chair
Name **Chia Chi Hsu**
Email r13CC@ashrae.net

Position Region Membership Promotion
Name **Sam C M Hui**
Email r13rvcm@ashrae.net

Position Region Treasurer
Name **Florence Chan**
Email r13tr@ashrae.net

Position Region Research Promotion
Name **Suei Keong Chea**
Email r13rvcrp@ashrae.net

Position Region Historian
Name **Ng Kah Choong**
Email r13hist@ashrae.net

Position Region Student Activities
Name **Fu-Jen Wang**
Email r13rvcsa@ashrae.net

Position Region Representative
Name **Edward Ka Cheung Tsui**
Email r13RR@ashrae.net

Position Region YEA
Name **Chak Mou Lam**
Email r13YEA@ashrae.net

Position Assistant Regional Chair
Name **Bill Wei Dong Wang**
Email r13arc@ashrae.net

REGION-XIII 24th CHAPTER REGIONAL CONFERENCE (CRC-2021)



BUSINESS SESSION NO.1

JAKARTA, INDONESIA
FRIDAY (20th AUGUST 2021)
08:00AM – 12:00PM JAKARTA TIME

USA EASTERN DAYLIGHT TIME
THURSDAY (19th AUGUST 2021)
21:00PM – 01:00AM US-EDT

MINUTES OF MEETING

No.	Region XIII Officers - Present	Title/Position
1	Apichit LUMLERTPONGPANA	Director & Regional Chair (DRC) – Region XIII
2	LEONG Cheng Wee	Assistant Regional Chair (ARC)
3	Bill WANG	Region Members Council Representative (RMCR)
4	Jerry HUANG	RVC – Chapter Technology Transfer (CTT)
5	Sam HUI CM	RVC – Membership Promotion (MP)
6	Albert SIN	RVC – Government Affair (GA)
7	CHEA Suei Keong	RVC – Research Promotion (RP)
8	WANG Fu-Jen	RVC – Student Activities (SA)
9	Kozen LAW	RVC – Young Engineers in ASHRAE (YEA)
10	Dominador DG CASTRO	Regional Nominating Comm. Member (NCM)
11	Den LOW Han Guan	Regional Nominating Comm Alternate (NCA)
12	Tracy PHANG	Regional Nominating Comm Reserve Alt. (NCRA)
13	Ardiyanshah YATIM	Regional Refrigeration (RR) Chair
14	Jintana SIRISANTANA	Regional Treasurer
15	WONG Chun Sing	Regional Newsletter Editor
16	HSU Chia-Chi	Regional Electronics Communication (EC) Chair & Webmaster
17	KC NG	Regional Historian & CRC Secretary/Facilitator
18	Edward TSUI	Regional Rep China/Past Region XIII DRC
19	OW Chee Sheng	Region XIII Auditor/Past Region XIII DRC
20	NG Yong Kong	Region XIII Auditor/Past Region XIII DRC
	SOCIETY OFFICERS - Present	
21	Farooq MEHBOOB	Society President-Elect
22	Ms. Ginger SCOGGINS	Society Treasurer
23	Ms. Sarah MASTON	Society Vice-President
24	Ms. Stephanie REINICHE	Society Director of Technology
	CRC GENERAL CHAIR - Present	
25	Herlin HERLIANIKA	CRC-2021 Jakarta General Chair
26	Ryozo OOKA	CRC-2022 Tokyo General Chair
	SINGAPORE CHAPTER – Present	
27	Yuichi TAKEMASA	Delegate/Chapter President
28	YANG Junjing	Alternate/Chapter President-Elect
29	Peter CHENG	Chapter Immediate Past President
30	Chandra Sekhar	Immediate Past DAL
31	David LAU	Chapter Historian
32	Henry YEO	Immediate Past RVC - MP
33	LIEW Kwong Chin	Chapter GA Chair
34	LIM Zhi Yi	Chapter YEA Chair
35	Leslie CHAN	Chapter Member
	HONG KONG CHAPTER – Present	
36	Patrick HUANG Hung Man	Delegate/Chapter President

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37	Joe CHOW Wai Hung	Alternate/Chapter President-Elect
38	Taylor CHOW Chi Fung	Chapter Treasurer
39	Tenny TAM Tsz Lung	Chapter Immediate Past President
40	Paul TSANG	Chapter Student Activities Chair
41	Patrick LUI	Chapter Member
	MALAYSIA CHAPTER - Present	
42	KING Yeong Jin	Delegate/Chapter President
43	TEE Tone Vei	Alternate/Chapter President-Elect
44	NG Wen Bin	Immediate Past President
45	POH Kai Sin	Chapter Treasurer
46	Jeffrey LIM	Chapter BOG
47	TAN Chioo Bin	Chapter BOG
48	Irin KANG	Chapter Publicity Chair
49	LIM Tiong San	Chapter RP Chair
50	Jeffrey ENG	Chapter MP Chair
51	Alvin CHAN	Chapter MP Co-Chair
52	ONG Ching Loon	Chapter Honours & Awards Chair
53	CHIA Hui Yin	Chapter Technology Transfer Chair
54	Nicholas KAM	Chapter Technology Transfer Co-Chair
55	Victor BONG	Chapter SA Co-Chair/Kuching Section Technology Transfer Chair
56	LEONG Siew Meng	Chapter Newsletter and Publication Chair
57	LAM Kim Seong	Chapter Sustainability Committee
58	NG Siew Man	Chapter Member
59	WOO Wen Tzeng	Chapter Member
	TAIWAN CHAPTER - Present	
60	TU Wei-Da	Delegate/Chapter President
61	LIN Hung Wen Richard	Alternate/Chapter President-Elect
62	LAI Chin-Chang	Chapter Secretary
63	YEH Chih-Ling	Chapter Honours and Awards
64	CHENG Ching-Wen	Chapter MP Co-Chair
65	Joseph CHANG	Chapter Member
	THAILAND CHAPTER - Present	
66	Rapeerat THANYAWATPORNKUL	Delegate/Chapter President
67	Pichapad KIDKIRDSANG	Alternate/Chapter President-Elect
68	Pantuda PUTHIPIROJ	Chapter Vice-President
69	Chirdpun VITOORAPORN	Chapter RP Chair
70	Nirun CHAYANGSU	Chapter Treasurer
71	Pattana MEKKHUM	Chapter YEA Chair/Historian
72	Thirbodin SANGSAWANG	Chapter SA Chair
73	Thongdonpriang SAMAK	Chapter Member
	PHILIPPINES CHAPTER - Present	
74	Rodel SIMBILLO	Delegate/Chapter President

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75	Mark Christian MANUEL	Alternate/Chapter President-Elect
76	Gio MENDOZA	Chapter BOG
77	Emmanuel PUNSALAN	Chapter BOG
78	Benedicto BUENAVENTURA	Chapter Treasurer/Chapter RP Chair
79	Isagani BRUGADA	Chapter Secretary
80	Cesar Luis LIM	Chapter GA Chair
81	Jaime Jajay CRUZ	Chapter GA Co-Chair
82	Jelai CLEMENTE	Chapter MP Chair
83	Fritzie MENDENILLA	Chapter MP Co-Chair
84	Francis GUEVARA	Chapter CTT Chair
85	Leandro CONTI	Chapter Past President
86	Aguilos RAMON	Chapter Past President
87	Eduard BOLO	Chapter Member
88	Edwin GUERRERO	Chapter Member
89	Nemesio GUERRERO	Chapter Member
90	Jean Theresa De GARCIA	Chapter Member
91	Danilo KALINGASAN	Chapter Member
92	Joel MERMIDA	Chapter Member
93	Jun DAVANTES	Chapter Member
94	Lucy LIMSON	Chapter Member
95	Gilberto ORTEGA	Chapter Member
96	Ronel OMAMBAC	Chapter Member
97	Junior RASAY	Chapter Member
98	Barbacina	Chapter Member
99	Lauron Cheamy ANN	Chapter Member
100	Amy	Chapter Member
	INDONESIA CHAPTER – Present	
101	Fathurrahman NUGRAHA	Delegate/Chapter President
102	Yongkie TILENO	Alternate/Chapter President-Elect
103	Deddy Rashid	Chapter Treasurer
104	KUSDIYANTO Kusni	Chapter Immediate Past President
105	Jati WIDIPUTRA	Chapter YEA Chair
106	Ferbryan PARAMITHA	Chapter YEA Co-Chair
107	Tedy CHRISWANDA	Chapter Refrigeration Chair
108	Asep KURNIAWAN	Chapter Transfer Technology Chair
109	Dany WATANABE	Chapter Transfer Technology Co-Chair
110	Depri YANTRI	Chapter YEA Chair
111	Muhammad ABDILLAH	Chapter BOG
112	Mohd Idrus ALHAMID	Chapter BOG
113	Ferdian LO	Chapter EC Chair
114	Kafi UDDIN	Chapter GA Chair
115	Arnas LUBIS	Chapter SA Chair
116	Achmad Rofi IRSYAD	Chapter SA Co-Chair
117	Wira ENDRATAMI	Chapter Vice-President

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118	Nurhidayat	Chapter Member
119	Harsya PRADHANA	Chapter Member
120	Cawir GINTING	Chapter Member
121	Totok SULIS	Chapter Member
122	Alex CHANDRA	Chapter Member
123	Fitri Tri BUDIARTI	Chapter Member
124	Riza SUBRATA	Chapter Member
125	Hendri ARIES	Chapter Member
126	Gutus NIRWANTO	Chapter Member
127	Salim JANTO	Chapter Member
128	Aliv SRIANISSYABELLA	Chapter Member
	JAPAN CHAPTER – Present	
26	Ryozo OOKA	Delegate/Chapter President
129	Susumu HORIKAWA	Alternate/Chapter President-Elect
130	Takashi AKIMOTO	Chapter Immediate Past President
131	Akio MIYARA	Chapter Refrigeration Chair
132	Kitaro MIZUIDE	Chapter BOG
	SOUTH KOREA CHAPTER – Present	
133	JEONG Jae-Weon	Delegate/Chapter President
134	Minki SUNG	Alternate/Chapter President-Elect
	MACAO CHAPTER - Present	
135	Alfred WONG Seng Fat	Delegate/Chapter President
136	Vincent WONG Siu Hung	Alternate/Chapter President-Elect
	VIETNAM SECTION – Present	
137	NGO Quang Truong	Section Chairman
138	Giang Cao TUAN	Section Vice-Chairman
	REGION-AT-LARGE	
139	Osama KHAYATA	RAL Member

No.	Subject Matter	Action
1.0	ASHRAE attendees starting to log-in as early as 7:30am Jakarta time (GMT +7.0) to enjoy the fellowship and seeing ASHRAE friends of the last 30 years.	All
2.0	All attendees were requested to turn on their camera for a photo-op on-screen starting with Chapter Delegates followed by Chapter Alternates, Society Officers and Staff, Region XIII Officers and finally Chapter/Section BOG and Committee Members.	All
3.0	An attendance roll-call for all Chapter Delegates, Alternates, Section Chairman and Regional Offices. All other ASHRAE members present online are advised to inform their respective Chapter Presidents of their presence online today.	KC Ng

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MINUTES OF MEETING

	Total no. of attendance: 139 participants	
4.0	KC Ng presented the “ETIQUETTE FOR A SMOOTH AND EFFECTIVE TELECONFERENCE” to be observed by all present during this virtual meeting.	KC Ng
5.0	<p>MEETING CALL-TO-ORDER</p> <p>Region XIII DRC, Mr. Apichit Lumpertpongpana called the meeting to order at 08:30 am.</p> <p>DRC continued with the reading of ASHRAE Code of Ethics. <i>In this and all other ASHRAE meetings, we will act with honesty, fairness, courtesy, competence, inclusiveness and respect for others, which exemplify our core values of excellence, commitment, integrity, collaboration, volunteerism and diversity, and shall avoid all real or perceived conflicts of interest.</i></p> <p>References Code of Ethics: https://www.ashrae.org/about/governance/code-of-ethics Core Values: https://www.ashrae.org/about/ashrae-s-core-values</p>	 Apichit L.
6.0	<p>WELCOMING MESSAGE</p> <p>DRC welcomed Mr. Mr. Farooq Mehboob, Ms. Ginger Scoggins, Ms Sarah Maston and Ms. Stephanie Reiniche from Society, Region-XIII Officers, Chapter Delegates, Alternates and all ASHRAE members present to this Hybrid CRC-2021.</p> <p>Mr. Apichit thanked Ms. Herlianika and Indonesia Chapter for setting up this wonderful Hybrid CRC-2021.</p>	
7.0	<p>WELCOMING ADDRESS BY CRC-2020 GENERAL CHAIR</p> <p>CRC-2021 General Chair, Ms. Herlin Herlianika welcomed Mr. Farooq Mehboob, Ms. Ginger Scoggins, Ms. Sarah Maston and Ms. Stephanie Reiniche and all ASHRAE Region XIII members.</p> <p>Ms. Herlianika thanked DRC Mr. Apichit for his support and assistance in the preparation of this CRC-2021 Jakarta. Ms. Herlianika hopes that this Hybrid CRC will bring forth the warmth of our CRC spirit as experienced in a physical face-to-face CRC.</p>	
8.0	<p>MESSAGE BY SOCIETY PRESIDENT-ELECT, MR. FAROOQ MEHBOOB</p> <p>Mr. Mehboob thanked Mr. Apichit for inviting him to be part of our Region’s CRC and spoke about the great friendship he has with our Region and her leaders over the years. Mr. Mehboob has been an ASHRAE member for 41 years and started the 1st ASHRAE Chapter in Pakistan.</p> <p>For ASHRAE to move forward and continue to flourish, Mr. Mehboob emphasized the need for all to embrace change. Member participation and contribution are vital to ASHRAE’s success and encourages Region XIII to nominate as many members as we can to get involved in Society activities.</p>	

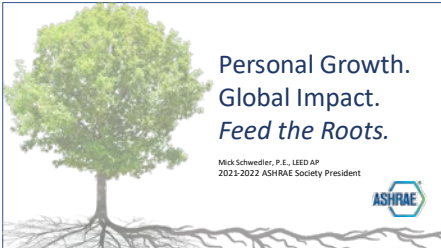










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<p>9.0</p>	<p><u>SOCIETY PRESIDENT’S MESSAGE (PRESENTED BY SOCIETY TREASURER MS. GINGER SCOGGINS)</u></p> <p>Ginger shared ASHRAE heritage and roots that spans 127 years back in 1894 where 75 engineers met in New York City and formed the American Society of Heating and Ventilating Engineers, or ASHVE</p>    <p>After 90 years, ASHRAE’s first Chapter outside North America was Singapore Chapter and Hong Kong Chapter in 1984. Today we have 199 Chapters Worldwide.</p>	
	<p><u>MESSAGE BY SOCIETY VICE-PRESIDENT, MS. SARAH MASTON</u></p> <p>Sarah shared Society’s “Streamlining Decision” ideas and strategy towards a healthy and sustainable built environment for all.</p>  <p><u>Guiding Principles of Streamlining Process:</u></p> <ul style="list-style-type: none"> • Make the Board of Directors more strategic • Push decision making down into organization • Reduce waste from Society operations while still delivering value to Members & Society • Speed up decision making by removing silos • Be market focused 	
	<p><u>MESSAGE BY SOCIETY DIRECTOR OF TECHNOLOGY, MS. STEPHANIE REINICHE</u></p> <p>Stephanie shared ASHRAE’s Initiative in forming an “International Standards Interaction (ISI) Task Force</p>  <ol style="list-style-type: none"> 1. Harness ASHRAE technical resources to influence international standards impacting built environment. 1. Informing leadership of international activities <ul style="list-style-type: none"> • Provide recommendation on activities • Provide recommendations on policies 3. Serving as a resource to maximize international impacts of ASHRAE standards and technical work 3. Implementing the international aspects of the Society Strategic plan <ul style="list-style-type: none"> • Coordinating interactions internally and externally 5. Coordinating with the Government Affairs Committee <ul style="list-style-type: none"> • Provide guidance for policy makers on relevance of ASHRAE standards and international standards  <p>Task Group 1 - Interacting and outreach with Chapters Globally- Hugh Crowther</p> <ul style="list-style-type: none"> • Chapter engagement • Participation encouraged in developing ASHRAE standards • Understanding barriers to adoption <p>Task Group 2 - Outreach to Technical Committees - Craig Messmer</p> <ul style="list-style-type: none"> • Engaging international members in development • Global mindset <p>Task Group 3 - Outreach to Project Committees – Susanna Hanson</p> <ul style="list-style-type: none"> • Engaging international members in development • Global mindset • Prioritize standards for international use <p>Task Group 4 - Tracking of Emerging Standards that Affect ASHRAE – Dennis Knight</p> <ul style="list-style-type: none"> • Track emerging standards • Create mechanism for feedback on emerging standards • Develop talking points on how emerging standards affect industry 	

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10.0	<u>ADOPTION OF THE 24th CRC-2021 AGENDA</u> The 24 th CRC-2021 Business Session No. 1 Meeting Agenda was file-shared virtually for review. Thereby with no amendments brought forth, the CRC-2021 Business Session No.1 Meeting Agenda was accepted and adopted. Proposer: Mr. Takemasa of Singapore Chapter Seconded: Mr. King YJ of Malaysia Chapter	 	All
11.0	<u>ACCEPTANCE OF THE 23rd Virtual CRC-2020 BUSINESS SESSION NO.1 MINUTES OF MEETING (MOM)</u> The 23 rd Virtual CRC-2020 Kuala Lumpur Business Session No.1 Minutes of Meeting (MoM) was file-shared virtually for review. Thereby with no amendments brought forth, the 23 rd Virtual CRC-2020 Business Session No. 1 MOM was confirmed and accepted. Proposer: Mr. Patrick Huang of Hong Kong Chapter Seconded: Mr. King YJ of Hong Kong Chapter	 	All
14.0	<u>REGIONAL OFFICERS REPORT</u>		
14.1	<u>DRC REPORT</u> Mr. Apichit Lumlertpongpana reported that Society Headquarters has moved to their new ASHRAE building at Peachtree Corners and the ribbon cutting ceremony will be held on the 19 th November 2021.	<div><div>Society 2021-22 President, Officers and Directors<ul style="list-style-type: none">• President : Mick Schwedler• President-Elect : <i>Farooq Mehboob</i>• Treasurer : <i>Ginger Scoggins</i>• Vice President : <i>Don Brandt</i>• Vice President : <i>Dunstan Macauley III</i>• Vice President : <i>Sarah Maston P.E.</i>• Vice President : <i>Tim McGinn</i></div></div>	
14.2	<u>ARC PAOE REPORT</u> <div></div>	Region XIII ARC Mr. Leong Cheng Wee presented the PAOE Points Score criteria for 2021-2022 in line with Society President's theme "Personal Growth. Global Impact. Feed the Roots".	
14.3	<u>REGION MEMBERS COUNCIL REPRESENTATIVE (RMCR) REPORT</u> Region XIII RMCR, Mr. Bill Wang emphasized on 3 important subject matters, <ol style="list-style-type: none">1. Honours & Award2. 2021-22 PAOE (Chapter Operations)3. Guidance for Virtual Meetings		



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JAKARTA, INDONESIA
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MINUTES OF MEETING

14.4 RESEARCH PROMOTION (RP) REPORT

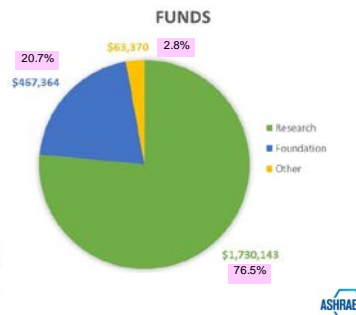
Region XIII RVC-RP, Mr. Chea Swei Keong emphasized that RP has a very crucial role to play in ASHRAE as the contributions they get will help to fund the research and activities of ASHRAE.

RP 2020-2021 Society Funds Distribution

- **Research:** Funds the backbone of ASHRAE standards, handbooks and every publication of the industry
- **YEA:** Engages members 35 or younger in ASHRAE with professional and personal development
- **Education:** (ALI - ASHRAE Learning Institute): Supports the ongoing continuing education of members
- **RP General Fund:** Provides unrestricted support to various ASHRAE programs in all areas
- **ASHRAE Foundation Endowed Funds:** Provides a legacy of support for ASHRAE. Support for any fund may be endowed
- **ASHRAE Scholarships:** Promotes ASHRAE and encourages students to enter the industry

Fund specific information, flyers, and PowerPoint presentations may be found on www.ashraerp.com

Contact RP Staff for brochures, posters, and other materials for your chapter meetings!



14.5 MEMBERSHIP PROMOTION (MP) REPORT

Region XIII RVC for Membership Promotion, Mr. Sam Hui thanked the Immediate Past RVC for Membership Promotion, Mr. Henry Yeo from Singapore Chapter for his past contributions to Region XIII.

REGION XIII MP CHAPTER CHAIRS (2021-2022)

- ▶ Hong Kong: Mr KWOK Yat Sing Jason <jasonyskwok@gmail.com>
- ▶ Indonesia: Mr Jati WIDIPTA <jatidwiputra@gmail.com>
- ▶ Japan: Prof Kyosuke HIYAMA <hiyama@meiji.ac.jp>
- ▶ Macau: Mr LIN Bin <ambitionbin@gmail.com>
- ▶ Malaysia: Mr Ee Seong ENG <eseong_93@hotmail.com>
- ▶ Philippines: Ms Jean Lellani Grace N. CLEMENTE <jelainc1209@gmail.com>
- ▶ Singapore: Mr Sriman CHAKRAVARTHULA <sriman.ncv@iesve.com>
- ▶ South Korea: Prof LEE Kwang Ho <kwhee@korea.ac.kr>
- ▶ Taiwan: Mr Hugo LAI <lai.hugo@msa.hinet.net>
- ▶ Thailand: Dr Thosapon KATEJANEKARN <thosaponk@hotmail.com>



Sam introduced all Chapter Membership Promotion Chair in Region XIII

REGION XIII AREA ASSIGNED MEMBERS (AAM)

	2021-2022	2020-2021
Hong Kong	773	757
Indonesia	94	108
Japan	214	210
Macau	86	90
Malaysia	207	218
Philippines	170	181
Singapore	337	341
South Korea	87	86
Taiwan	117	117
Thailand	75	96
TOTAL =	2160	2204

Dashboard on Region XIII AHRAE Members in 2021-2022 as compared with 2020-2021



Sam Hui laid out the benefits of being an ASHRAE member and encouraged all Chapter MP Chairs to promote.



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MINUTES OF MEETING

14.6 STUDENT ACTIVITIES (SA) REPORT

Region XIII RVC for Student Activities, Mr. Wang Fu-Jen reported.

Membership

PAOE 2021-2022
AREA ASSIGNED MEMBERS
(AS OF JULY 2, 2021)

REGION XIII			Member	Student Member
REGION XIII	142	SINGAPORE	337	31
REGION XIII	143	HONG KONG	773	91
REGION XIII	149	MALAYSIA	207	58
REGION XIII	157	TAIWAN	117	48
REGION XIII	167	PHILIPPINES	170	123
REGION XIII	170	THAILAND	75	4
REGION XIII	183	INDONESIA	94	35
REGION XIII	194	JAPAN	214	4
REGION XIII	195	SOUTH KOREA	87	11
REGION XIII	198	MACAO	86	2

smartstart program
graduate. transfer. succeed.

First Year: \$25
Second Year: \$85
Third Year: \$110

Only available to current ASHRAE Student members who have been a Student member for at least one year.
(3-year program that allows Student members to transfer to Associate membership at a rate that is recent graduate friendly)

Make sure you are current a student member in your senior year!

You save
(\$230+\$230+\$230)= \$690 vs (\$25+\$85+\$110)=\$220
\$470

ASHRAE

Membership in Region XIII



Mr. Wang explained about the Smart Start Program for Student Members.

14.7 YOUNG ENGINEERS IN ASHRAE (YEA) REPORT

Region XIII RVC for YEA, Mr. Kozen Law reported

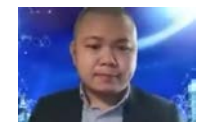
YEA GROWTH & TARGET

REGION XIII Total YEA: 453 PAX (Aug)

No.1 : Hong Kong – 154 PAX
No.2 : Singapore – 63 PAX
No.3 : Malaysia – 44 PAX

Chapter Name	Total YEA Member	%
HONG KONG	154	34.0%
SINGAPORE	63	13.9%
REGION XIII - OTHER	62	13.7%
PHILIPPINES	44	9.7%
MALAYSIA	39	8.6%
MACAO	27	6.0%
JAPAN	18	4.0%
INDONESIA	17	3.8%
TAIWAN	16	3.5%
CAR ASHRAE Shanghai & Beijing Group	6	1.3%
THAILAND	6	1.3%
SOUTH KOREA	1	0.2%
Total	453	100%

ASHRAE YEA
Region XIII
Virtual CRC 2021





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YEA GROWTH & TARGET

Chapter	Total Member	YEA Number	YEA Percentage
MACAO	86	27	31%
PHILIPPINES	174	44	25%
INDONESIA	100	23	23%
HONG KONG	782	154	20%
SINGAPORE	337	63	19%
MALAYSIA	213	39	18%
TAIWAN	118	16	14%
JAPAN	211	18	9%
THAILAND	75	6	8%
SOUTH KOREA	84	1	1%
Total	2180	391	18%

R. Virtual CRC 2021

Total % YEA in Region XIII: 18 %
 No.1 : MACAO – 31%
 No.2 : PHILIPPINES – 25%
 No.3 : INDONESIA – 23%



1. S.KOREA
 2. THAILAND
 3. JAPAN
 4. TAIWAN

DEVELOPING LEADER AWARD



Keith Liew
 Malaysia
 Year 2021



Kozen Law
 Malaysia
 Year 2021



Lucas Lam
 Macao
 Year 2021



Moka Lai
 Hong Kong
 Year 2021



Taylor Chow
 Hong Kong
 Year 2018



President Elect : Pls assist to ask your YEA Chair , Who is the next 5 years candidate

14.8

CHAPTER TECHNOLOGY TRANSFER (CTT) REPORT



Management by Objectives (MBO) for CTT in 2021-2022

- Remind Chapter CTT chairs to attend CRC workshop and promote PDH.
- Assist 10 Chairs to publish annual Program Schedule in Chapter newsletter
- Complete 11 DL allocation to be valuable in promoting ASHRAE
- Assist at least 3 Chairs cooperating with MP/Refrigeration committee to arrange field trips, such as university research labs, application installations, laboratories, plant tours, and/or clean rooms
- Assist at least 3 Chairs cooperating with YEA/SA committee to hold "Career Mentoring by Senior Chapter Members" for young members
- Assist at least 3 Chairs promoting to compete with CTC & Refrigeration Awards

CRC-2021 Jakarta CTT RVC report by Jerry HUANG

Region XIII RVC for CTT, Mr. Jerry Huang outlined the 2021-2022 MBO for all Chapters.



2021 Technology Awards winners- Society level

- ✓ First Place Winner
 - Japan Chapter- Tomoaki Ushio, Harunori Yoshida, Shigemi Mori
 - Category I- commercial buildings, existing- Kyoto Station
- ✓ First Place Winners
 - Hong Kong Chapter- Kwai Ping Lau, Raymond Yau
 - Category I- commercial buildings, EBCx- Two Pacific Place
- ✓ Honorable Mention Winners
 - Hong Kong Chapter- Dave Chan, Kenneth Lee, Pan Lee, Franco Mok
 - Category I- commercial buildings, existing- 28 Hennessy Road

CRC-2021 Jakarta CTT RVC report by Jerry HUANG



2022 Technology Awards winners- Regional level

- ✓ First Place Winner
 - Japan Chapter
 - Name of Project: DaiyaGate Ikebukuro
 - Entrant: Tsukami SHIRO
 - Category I- Commercial Bldg, New
- ✓ Second Place Winner
 - Hong Kong Chapter
 - Name of Project: Queensway Government Offices
 - Entrant: Tse Lung TAM
 - Category I- Commercial Bldg, EBCx

CRC-2021 Jakarta CTT RVC report by Jerry HUANG



2022 Technology Awards winners- Regional level

- ✓ Honorable Mention
 - Hong Kong Chapter
 - Name of Project: Neuron Platform Implementation in Arup Hong Kong Office
 - Entrant: Hui Hei CHAN
 - Category I- Commercial Bldg, Existing
- ✓ Honorable Mention
 - Hong Kong Chapter
 - Name of Project: Tin Shui Wai Hospital, Hong Kong
 - Entrant: Suet Fai LEUNG
 - Category III- Health Care Facilities, New

CRC-2021 Jakarta CTT RVC report by Jerry HUANG

Jerry congratulates the winners of Society and Regional Technology Awards.



14.9	REFRIGERATION REPORT
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**2021-2022
Refrigeration Chapter Chair**

Singapore	- Mr. Leslie Chan (leslie.chan@lge.com)
Malaysia	- Mr Chew Soon Jin (sjchew@nrs.com.my)
Philippines	- Mr Arnoldo B. Cabuay (arnold.cabuay@gmail.com)
Hong Kong	- Ms. Moka Lai Sheung Yu (moka.sy.lai@jci.com)
Taiwan	- Mr. Win-Jet Luo (wjluo@ncut.edu.tw)
Thailand	- Mr. P. Kidkirsang (pidchapad.kidkirsang@gmail.com)
Indonesia	- Mr. Tedy Chriswanda (tedy.chriswanda@bitzer.co.id)
Macau	- Mr. Seck Pong Chan (spchan121@gmail.com)
South Korea	- Mr. Sung Lok Do (sunglokdo@hanbat.ac.kr)
Japan	- Mr. Akio Miyara (miyara@me.saga-u.ac.jp)

Region XIII RVC for Refrigeration,
Mr. Ardiyanshah Yatim introduced
all Chapter Refrigeration Chairs in
Region XIII



Mr. Ardiyanshah presented on

1. Society and Regional Level Refrigeration activities
2. Available Refrigeration Resources and technical courses by ASHRAE.
3. ASHRAE Refrigeration Awards i.e. Milton Garland, Comfort Cooling and George Briley

14.10	GOVERNMENT AFFAIRS (GA) REPORT
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Region XIII GAC Chairs (2021-2022)

Chapter Name	Chapter Code	Chair	Co-Chair
Singapore	142	Mr. <u>Liew</u> Kwong Chin	
Hong Kong	143	Mr. <u>Sung</u> Ka Leung, Michael [new]	
Malaysia	149	Mr. <u>Chee</u> Swei Keong	
Taiwan	157	Mr. <u>Sun</u> Ting Jui [new]	
Philippines	167	Engr. Cesar Luis DL <u>Lim</u>	Ms. Jaime Jajay E. Cruz [new]
Thailand	170	Mr. Pachern Sangbutsarakum	
Indonesia	183	Mr. Kafil Uddin [new]	Ms. Cahyarini Dwiatmo [new]
Japan	194	Mr. Kitaro Mizuide	Mr. Takashi Akimoto [new]
South Korea	195	Mr. Jaehoon Chung [new]	
Macao	198	Mr. Cheong ChanWa [new]	Mr. Lin Bin [new]

Region XIII RVC for GA, Mr Albert Sin introduced all Chapter GA Chairs in Region XIII.



Albert explained to all Chapter GA Chairs on how to score PAOE Points

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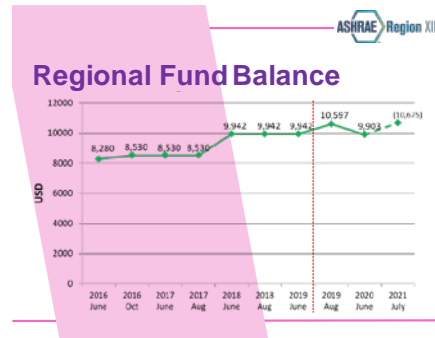
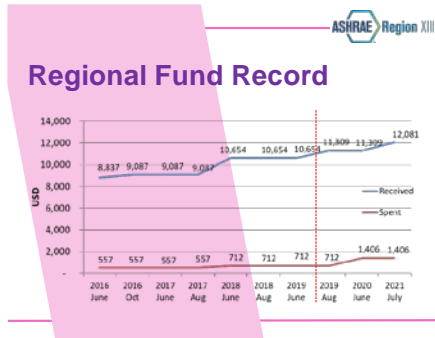
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MINUTES OF MEETING

24.0 REGIONAL TREASURER'S REPORT

Region XIII Regional Treasurer, Ms. Jintana Sirisantana reported on

1. Regional Fund Record
2. Regional Fund currently stands at US\$10,675.00

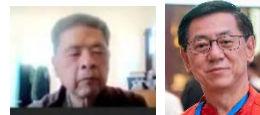


Jintana S.

Ms. Jintana further explained that the source of the Regional Fund comes from

1. Donations
2. Contributions from CRC
3. Contributions from APCBE

The Regional Fund will be audited by the appointed Regional Auditors, Mr. Ow Chee Sheng and Mr. Ng Yong Kong.



14.12 REGIONAL ELECTRONIC COMMUNICATION (EE)/WEBMASTER'S REPORT

ASHRAE REGION XIII
24th Chapters Regional Conference (CRC)
2021 Aug. 2021 Hybrid Conference (Virtual)

2021-22 Chapter Communication Chair

Chapter Code	Chapter	Chapter Position	Operation Chair	E-mail
142	SINGAPORE	ECC/Webmaster	Mr Yuan Gao	thisisgaoyuan@hotmail.com
143	HONG KONG	ECC*	Mr Chun Leung Lau	tomlau1988@hotmail.com
149	MALAYSIA	ECC*	Mr SOON HOCK TATT	andysoon@yahoo.com
157	TAIWAN	ECC	Prof. Yang Kai Shing	ksyang@ncut.edu.tw
167	PHILIPPINES	ECC/Webmaster	Ms Janina Maria P. Simbillo	creatingwithjanina@gmail.com
170	THAILAND	ECC/Webmaster	Mr.Tavatchai Satienrattanakul	tavatchai_s@3vesco.com
183	INDONESIA	ECC/Webmaster	Mr Ferdian Lo	info@peltapromo.com
194	JAPAN	ECC/Webmaster*	Dr Masayuki Ogata, PhD	masayuki.ogata@gmail.com
195	SOUTH KORE	ECC*	Prof. Jaewan Joe	jjoee@inha.ac.kr
198	MACAO	ECC/Webmaster	Mr BIN LIN, Sr	ambitionbin@gmail.com

Region XIII Regional EC Chair, Ms. Hsu Chia-Chi introduced all the Chapter EC Chairs in Region XIII

Region XIII is now on Facebook and Basecamp



Hsu Chia-Chi

14.13 REGIONAL NEWSLETTER REPORT

Region XIII Regional Newsletter Chair, Mr. Wong Chun Sing reported that there are 2 newsletters last year, the winter 2020 edition and summer 2021 edition.



Wong Chun Sing



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MINUTES OF MEETING

ASHRAE Region XIII Regional Newsletter Report @CRC2021

20 August 2021 | VIRTUAL CRC-2021

1st Regional Newsletter (2020-21) – Winter 2020

Contents:

- DRC's Message
- List of Regional Officers (202021)
- Chapter Technology Transfer Update
- Membership Promotion Update
- APCBE Steering Committee Update
- Taiwan Chapter RP Night and Presidential Inauguration



ASHRAE Region XIII Regional Newsletter Report @CRC2021

20 August 2021 | VIRTUAL CRC-2021

2nd Regional Newsletter (2020-21) – Summer 2021

Contents:

- DRC's Message
- ASHRAE Region XIII 202021 Virtual Meeting
- Chapter Technology Transfer Update
- Membership Promotion Update
- Malaysia Chapter Highlights
- Taiwan Chapter Highlights



2 more newsletters are being planned for this year to be launched before the Winter Conference in January 2022 and the Annual Conference in June 2022.

14.4

REGIONAL HISTORIAN REPORT

Region XIII Regional Historian Mr. KC Ng presented his Historian Report

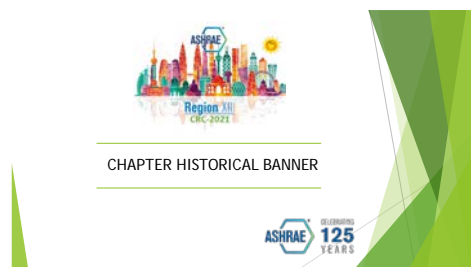


REGIONAL CHAPTER HISTORIAN 2021/2022

CHAPTER	CHAPTER HISTORIAN
SINGAPORE	DAVID LAU
HONG KONG	PAU WAI KEONG
MALAYSIA	CHIAN BAN-WEN
TAIWAN	JEFFREY LEE MC
PHILIPPINES	CHARLIE BORRE
THAILAND	BALLANG SATHORN
INDONESIA	FERRIAN LO
JAPAN	SHINSUKE KATO
SOUTH KOREA	KIM MIN-HWI
MACAO	CHEONG KENG HANG



Region XIII Regional Historian, KC Ng introduced all Chapter Historians in Region XIII.

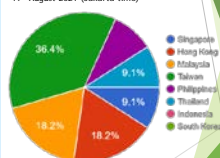


KC announced the results of the “Best Chapter Historical Banner” in CRC-2021



Voting by R-XIII Regional Officers.

Polling Results as of 5:00pm on the 19th August 2021 (Jakarta time)





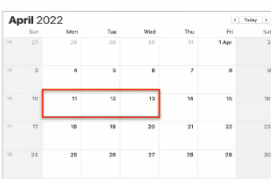







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MINUTES OF MEETING

14.15	<p>REGIONAL REPRESENTATIVE (CHINA) REPORT</p> <p>Region XIII Regional Representative for China, Mr. Edward Tsui provided the formation history of China Association of Refrigeration (CAR) in China.</p> <p>+ Summary</p> <ul style="list-style-type: none"> ■ 2 groups in China <ul style="list-style-type: none"> ■ ASHRAE-CAR Beijing Group: Prof Li Xinting (coordinator) ■ ASHRAE-CAR Shanghai Group: Prof Li Zhengrong (coordinator) <p>CAR: Chinese Association of Refrigeration</p> <ul style="list-style-type: none"> ■ HVAC&R ■ >30,000 individual members and ~1000 corporate members ■ Partner organization of ASHRAE in China since 2006 ■ Member of AASA (ASHRAE Associate Society Alliance) <p>+ MoU between ASHRAE and CAR</p>  <p>Mr. Edward highlighted the annual events between ASHRAE and CAR.</p> <p>+ Annual join events between ASHRAE and CAR</p> <ul style="list-style-type: none"> ■ ASHRAE-CAR Student Design Competition ■ ASHARE participation in CR Expo (normally in April) <ul style="list-style-type: none"> ■ Society President visit and meet with members ■ ASHRAE-CAR Technical seminar <ul style="list-style-type: none"> ■ (in April, collocated with the annual CR Expo) ■ Leadership meeting between ASHRAE and CAR <ul style="list-style-type: none"> ■ 1st @ ASHRAE Winter conference ■ 2nd @ CR Expo <p>+ ASHRAE-CAR Student design competition Award Presentation April 2021</p>  <p>+ (Tentative) ASHRAE-CAR Technical seminar conjunction with CR Expo</p>  <p>April 11-13, 2022 @ Chongqing, China</p>  <p>CR EXPO @ April 11-13, 2022</p>	 <p>Edward Tsui</p>
15.0	<p>CLOSING OF BUSINESS SESSION NO.1</p>	
15.1	<p>WORD OF THANKS</p> <p>R-XIII DRC Mr. Apichit extended a word of thanks Ms. Herlianika, the General Chair of CRC-2021, Indonesia Chapter for a wonderful CRC and to all attendees.</p>	
15.2	<p>CALL TO ADJOURN BUSINESS SESSION NO.1</p> <p>Proposer: Mr. King YJ of Malaysia Chapter Second: Mr. Ng Wen Bin of Malaysia Chapter</p>  	<p>All</p>
	<p>Business Session No.1 adjourned at 11:47 a.m. Jakarta time</p>	

REGION-XIII 24th CHAPTER REGIONAL CONFERENCE (CRC-2021)



BUSINESS SESSION NO.2

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21:00PM – 12:00AM US-EDT

MINUTES OF MEETING

No.	Region XIII Officers - Present	Title/Position
1	Apichit LUMLERTPONGPANA	Director & Regional Chair (DRC) – Region XIII
2	LEONG Cheng Wee	Assistant Regional Chair (ARC)
3	Bill WANG	Region Members Council Representative (RMCR)
4	Jerry HUANG	RVC – Chapter Technology Transfer (CTT)
5	Sam HUI CM	RVC – Membership Promotion (MP)
6	Albert SIN	RVC – Government Affair (GA)
7	CHEA Swei Keong	RVC – Research Promotion (RP)
8	WANG Fu-Jen	RVC – Student Activities (SA)
9	Kozen LAW	RVC – Young Engineers in ASHRAE (YEA)
10	Dominador DG CASTRO	Regional Nominating Comm. Member (NCM)
11	Den LOW Han Guan	Regional Nominating Comm Alternate (NCA)
12	Tracy PHANG	Regional Nominating Comm Reserve Alt. (NCRA)
13	Ardiyanshah YATIM	Regional Refrigeration (RR) Chair
14	Jintana SIRISANTANA	Regional Treasurer
15	WONG Chun Sing	Regional Newsletter Editor
16	HSU Chia-Chi	Regional Electronics Communication (EC) Chair & Webmaster
17	KC NG	Regional Historian & CRC Secretary/Facilitator
18	Edward TSUI	Regional Rep China/Past Region XIII DRC
19	OW Chee Sheng	Region XIII Auditor/Past Region XIII DRC
20	NG Yong Kong	Region XIII Auditor/Past Region XIII DRC
SOCIETY OFFICERS - Present		
21	Mick SCHWEDLER	Society President
22	Ms. Ginger SCOGGINS	Society Treasurer
23	Ms. Sarah MASTON	Society Vice-President
24	Ms. Stephanie REINICHE	Society Director of Technology
CRC GENERAL CHAIR - Present		
25	Herlin HERLIANIKA	CRC-2021 Jakarta General Chair
26	Ryozo OOKA	CRC-2022 Tokyo General Chair
27	JENG Ming-Shan	CRC-2023 Tainan General Chair
SINGAPORE CHAPTER – Present		
28	Yuichi TAKEMASA	Delegate/Chapter President
29	YANG Junjing	Alternate/Chapter President-Elect
30	Ivan LIEW	Chapter Secretary
31	Chandra Sekhar	Immediate Past DAL
32	David LAU	Chapter Historian
33	Henry YEO	Immediate Past RVC - MP
34	LIM Zhi Yi	Chapter YEA Chair
35	Gaurav KUMAR	Chapter SA Chair
36	HEW Yoon Loong	Chapter RP Chair
HONG KONG CHAPTER – Present		

REGION-XIII 24th CHAPTER REGIONAL CONFERENCE (CRC-2021)



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MINUTES OF MEETING

37	Patrick HUANG Hung Man	Delegate/Chapter President
38	Joe CHOW Wai Hung	Alternate/Chapter President-Elect
39	Taylor CHOW Chi Fung	Chapter Treasurer
40	Peter LAM	Chapter Secretary
41	Tenny TAM Tsz Lung	Chapter Immediate Past President
42	Paul TSANG	Chapter SA Chair
43	Moka LAI	Chapter TT Chair
44	Jason KWOK	Chapter MP Chair
45	Michael SUNG	Chapter GA Chair
46	Philip Yu	Chapter Representative
47	Patrick LUI	Chapter Representative
MALAYSIA CHAPTER - Present		
48	KING Yeong Jin	Delegate/Chapter President
48	TEE Tone Vei	Alternate/Chapter President-Elect
49	NG Wen Bin	Immediate Past President
50	POH Kai Sin	Chapter Treasurer
51	Jeffrey LIM	Chapter BOG
52	TAN Chioo Bin	Chapter BOG
53	Keith LEOW	Chapter BOG
54	Irin KANG	Chapter Publicity Chair
55	LIM Tiong San	Chapter RP Chair
56	CHEONG Yun Kim	Chapter SA Chair
57	CHEW Soon Jin	Chapter Refrigeration Chair
58	ENG Ee Seong	Chapter MP Chair
59	Alvin CHAN	Chapter MP Co-Chair
60	ONG Ching Loon	Chapter Honours & Awards Chair
61	CHIA Hui Yin	Chapter TT Chair
62	CHAN Jian Wen	Chapter Historian
63	Victor BONG	Chapter SA Co-Chair/Kuching Section TT Chair
64	YEOW Song You	Chapter YEA Co-Chair
65	Bernard LOH	Chapter Scholarship Committee
66	WOO Wen Tzeng	Chapter MP Committee
67	NG Siew Man	Chapter MP Committee
68	Tony CHENG	Chapter TT Committee
69	KHOO Chun Yong	Chapter Newsletter Committee
70	Terrence SIM	Chapter Member
TAIWAN CHAPTER - Present		
71	TU Wei-Da	Delegate/Chapter President
72	LIN Hung Wen Richard	Alternate/Chapter President-Elect
73	Derek KANG	Chapter BOG
74	SUN Ting-Hui	Chapter GA Chair
75	CHANG Shan-Li	Chapter Refrigeration Chair
76	CHENG Ching-Wen	Chapter MP Co-Chair

REGION-XIII 24th CHAPTER REGIONAL CONFERENCE (CRC-2021)



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MINUTES OF MEETING

THAILAND CHAPTER - Present		
77	Rapeerat THANYAWATPORNKUL	Delegate/Chapter President
78	Pichapad KIDKIRDSANG	Alternate/Chapter President-Elect
79	Chirdpun VITOORAPORN	Chapter RP Chair
80	Nirun CHAYANGSU	Chapter Treasurer
81	Pattana MEKKHUM	Chapter YEA Chair/Historian
82	Thirbodin SANGSAWANG	Chapter SA Chair
PHILIPPINES CHAPTER - Present		
83	Rodel SIMBILLO	Delegate/Chapter President
84	Mark Christian MANUEL	Alternate/Chapter President-Elect
85	Benedicto BUENAVENTURA	Chapter Treasurer/Chapter RP Chair
86	Jelai CLEMENTE	Chapter MP Chair
87	Francis GUEVARA	Chapter CTT Chair
INDONESIA CHAPTER – Present		
88	Fathurrahman NUGRAHA	Delegate/Chapter President
89	Yongkie TILENO	Alternate/Chapter President-Elect
90	Deddy Rashid	Chapter Treasurer
91	KUSDIYANTO Kusni	Chapter Immediate Past President
92	Muhammad ABDILLAH	Chapter BOG
93	Depri YANTRI	Chapter YEA Chair
94	Ferbryan PARAMITHA	Chapter YEA Co-Chair
95	Asep KURNIAWAN	Chapter TT Chair
96	Ferdian LO	Chapter EC Chair
97	Wira ENDRATAMI	Chapter Vice-President
98	Tedy CHRISWANDA	Chapter Refrigeration Chair
99	Jati WIDIPUTRA	Chapter Member
100	Gutus NIRWANTO	Chapter Member
101	Fitri Tri BUDIARTI	Chapter Member
102	Cawir GINTING	Chapter Member
103	Harsya Indra PRADHANA	Chapter Member
104	Nurhidayat	Chapter Member
105	Salim JANTO	Chapter Member
106	Suparlan	Chapter Member
JAPAN CHAPTER – Present		
26	Ryozo OOKA	Delegate/Chapter President
107	Susumu HORIKAWA	Alternate/Chapter President-Elect
108	Kitaro MIZUIDE	Chapter BOG
SOUTH KOREA CHAPTER – Present		
109	JEONG Jae-Weon	Delegate/Chapter President
110	Minki SUNG	Alternate/Chapter President-Elect
MACAO CHAPTER - Present		

REGION-XIII 24th CHAPTER REGIONAL CONFERENCE (CRC-2021)





BUSINESS SESSION NO.2

JAKARTA, INDONESIA
FRIDAY (21st AUGUST 2021)
08:00AM – 11:00AM JAKARTA TIME

USA EASTERN DAYLIGHT TIME
THURSDAY (20th AUGUST 2021)
21:00PM – 12:00AM US-EDT

MINUTES OF MEETING

111	Alfred WONG Seng Fat	Delegate/Chapter President
112	Vincent WONG Siu Hung	Alternate/Chapter President-Elect
113	Peter CHAN Seck Pong	Chapter Vice-President
VIETNAM SECTION – Present		
114	NGO Quang Truong	Section Chairman
REGION-AT-LARGE		
115	Richie MITTAL	DAL
116	Osama KHAYATA	RAL

No.	Subject Matter	Action
1.0	ASHRAE attendees starting to log-in as early as 7:30am Jakarta time (GMT +7.0) to enjoy the fellowship and seeing ASHRAE friends of the last 30 years.	All
2.0	All attendees were requested to turn on their camera for an on-screen photo-op starting with Chapter Delegates followed by Chapter Alternates, Society Officers and Staff, Region XIII Officers and finally Chapter/Section BOG and Committee Members.	All
3.0	An attendance roll-call for all Chapter Delegates, Alternates, Section Chairman and Regional Offices. All other ASHRAE members present online are advised to inform their respective Chapter Presidents of their presence online today. Total no. of attendance: 116 participants	KC Ng
4.0	KC Ng presented the “ETIQUETTE FOR A SMOOTH AND EFFECTIVE TELECONFERENCE” to be observed by all present during this virtual meeting.	KC Ng
5.0	MEETING CALL-TO-ORDER Region XIII DRC, Mr. Apichit Lumpertpongpana called the meeting to order at 08:30 am. DRC continued with the reading of ASHRAE Code of Ethics . <i>In this and all other ASHRAE meetings, we will act with honesty, fairness, courtesy, competence, inclusiveness and respect for others, which exemplify our core values of excellence, commitment, integrity, collaboration, volunteerism and diversity, and shall avoid all real or perceived conflicts of interest.</i> References Code of Ethics: https://www.ashrae.org/about/governance/code-of-ethics Core Values: https://www.ashrae.org/about/ashrae-s-core-values	 Apichit L.
	MESSAGE BY SOCIETY PRESIDENT, MR. MICK SCHWEDLER Mick thanks everyone for all the hard work put in to ASHRAE and for the way we have conducted Region XIII and the CRC. He has great respect on the way we serve our Chapters and ASHRAE members in Region XIII and admired the way we work together in consensus in finding ways to best serve all ASHRAE Chapters and ASHRAE members in Region XIII. In return, Mr. Apichit thanked Mr. Schwedler for joining us.	






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MINUTES OF MEETING

10.0	ADOPTION OF THE 24th CRC-2021 AGENDA The 24 th CRC-2021 Business Session No. 2 Meeting Agenda was file-shared virtually for review. Thereby with no amendments brought forth, the CRC-2021 Business Session No.2 Meeting Agenda was accepted and adopted. Proposer: Mr. Takemasa of Singapore Chapter Seconded: Mr. Fathurrahman Nugraha of Indonesia Chapter	 	All
11.0	ACCEPTANCE OF THE 23rd Virtual CRC-2020 BUSINESS SESSION NO.2 MINUTES OF MEETING (MOM) The 23 rd Virtual CRC-2020 Kuala Lumpur Business Session No.2 Minutes of Meeting (MoM) was file-shared virtually for review. Thereby with no amendments brought forth, the 23 rd Virtual CRC-2020 Business Session No. 1 MOM was confirmed and accepted. Proposer: Mr. Patrick Huang of Hong Kong Chapter Seconded: Mr. King YJ of Malaysia Chapter	 	All

9.0	CHAPTER'S REPORT SINGAPORE CHAPTER Singapore Chapter President, Mr. Yuichi Takemasa presented his report.		
9.1	 <p>ASC Office Bearer and Committee Chairs 2021/2022</p> <p>President: Mr. Yuichi Takemasa Treasurer: Mr. Praveen Hassan Chandrasekar CTT Chair: Mr. Pudupadi Balachander Rajesh GA Chair: Mr. KC Liew Historian: Mr. David Lau Immediate Past President: Dr. Peter Cheng President-Elect: Dr. Yang Junjing MP Chair: Mr. Sriman Chakravarthula RP Chair: Mr. Hui Yoon Loong Refrigeration Chair: Mr. Leslie Chan EC & Chapter Welcomes Chair: Mr. Gao Yuan BOG Member: Mr. Matthew Ngan Secretary: Mr. Ivan Liew SA Chair: Mr. Gaurav Kumar YEA Chair: Mr. Lim Zhi Yi CRC Action Chair: Mr. Francis Lee Chapter Administrator: Mr. Patrick Ho Myanmar Section Representative: Mr. Heng Guang Hou BOG Member: Ms. Lawrence Chan</p>  <p>ASHRAE Myanmar Section Officers 2020-2021</p> <ul style="list-style-type: none"> First Exco elected on 8th September 2019 (No change in the past year) President : Mr. Shwe Yu Kyaw Vice President : Mr. Khin Muang Lin Secretary : Mr. Ye Linn Treasurer : Mr. Soe Naing Win Student Chair : Mr. Tin Oo 	<p>Mr. Takemasa introduced Singapore Chapter BOG and Committee Chairs for 2021-22 which was sworn-in at their AGM on the 11th June 2021.</p> <p>Mr. Takemasa also introduced Myanmar Section Officers.</p>	



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MINUTES OF MEETING

Singapore Chapter Activities in 2020-2021

Research Promotion

- Achieved Chapter Full Circle and Full Circle Plus
- The Membership Promotion and Research Promotion committee organized the MP-RP Night as a technical event.
- The event was a sponsored event which included a technical talk on "Optimization of Filter Differential Pressure to Achieve Lower Total Cost of Ownership and Longer Filter Life-span" followed by dinner.
- The members also celebrated Er YP Chee's Distinguished 50-Year Member Award.
- Annual Dinner 2020 was cancelled due to COVID-19.
- Planned Annual RP Golf Networking event was cancelled due to COVID-19.
- Will try to organize various events.



Student Activities

- Current Student members - 29
- Students Branches - 5
 - National University of Singapore
 - Tamasek Polytechnic
 - ITE College East & College West
 - Singapore Polytechnic
 - Republic Polytechnic
- Activities organized
 - Due to Covid restriction face to face meeting was impossible to make that happen.
 - Set up online WhatsApp group to create a student committee.
 - Reached to all our ASHRAE members to organize internship: Eight students within HVAC industry for 2-3 months paid internship.
 - ASCC Book Prize Award for Ngee Ann Polytechnic.
 - Due to the Covid-19 situation, our expected plan on BBQ and the technical tour/technical visits were canceled.
- Will try to increase the number of student members and organize events despite the challenging time.

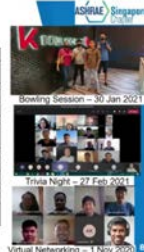


YEA

- The table below shows an outline of completed YEA activities

#	Date	Event	Details
1	18 Aug 2020	YEA Virtual CRC training	Attended the Virtual CRC training
2	11 th Oct 2020	YEA WhatsApp group launch	Installation of WhatsApp group for all the existing YEA members to connect on one common platform and networking.
3	11 th Nov 2020	Virtual networking session	Conducted a virtual networking session with 8 YEA members
4	30 th Jan 2021	Bowling Session	Conducted a Bowling Session with 4 YEA attendees.
5	27 th Feb 2021	Trivia master	Collaborated with YEA Malaysia to execute a fun Trivia Master Night with 16 total attendees and two winners from Singapore Chapter.
6		New Members	Increase in YEA members from 52 to 64 in YEA

- Will try to activate YEA activities.



Chapter Technology Transfer

- A total of 6 ASHRAE DL Seminars were held in collaboration with other chapters
- All Seminars were conducted online as "webinars"
- 3 Runs of Course with Ngee Ann Poly on Smart Chilled Water Pumping Systems.

SLN	Date	Type	Topic
1	03-Oct-2020	DL Webinar	Humidity Control with and without Reheat
2	15-Oct-2020	Course	Smart Chilled Water Pumping (L1 & L2)
3	20-Nov-2020	DL Webinar	Airflow Management for Comfort & Facilities
4	26-Nov-2020	Course	Smart Chilled Water Pumping (L2 & L3)
5	15-Dec-2020	DL Webinar	Advanced Energy Design Guide Series
6	09-Jan-2021	DL Webinar	Testing, Adjusting, Balancing (TAB) - HVAC
7	05-Mar-2021	DL Webinar	Topic 1: Integrated Building Design and Building Information Modeling Topic 2: Conducting a Commissioning Kickoff Meeting
8	18-Mar-2021	Course	Smart Chilled Water Pumping (L3 & L4)
9	19-Jun-2021	DL Webinar	Topic 1: Myth or Reality - Facing the Realities & Challenges in Sustainability & Energy Efficiency - Bridging the Gap in Performance from Concept Through Operations - Design, Construction, Operations & Maintenance Measures for Improving Performance of Buildings? Topic 2: Operations & Maintenance Measures for Improving Performance of HVAC Systems & other plants

- Will plan many DL seminars and some sponsored webinars (1 finished and 2 planned at the moment).
- Will be Supporting Organization of Conferences.
- BuildTech Asia Digital Series 2021 (July 2021)
- BREW 2021 (International Built Environment Week 2021) (September 2021)

BuildTech Asia Digital Series 2021

- ASCC was Supporting Organization for BuildTech Asia Digital Series 2021.
- Held on 7 & 8 July 2021 (Wed & Thu).
- Had Virtual Booth for ASHRAE Singapore Chapter.
- Gave Technical Presentation in Virtual Webinar.
- Total attendance of the webinar: 232 (Singapore 169, Malaysia 30, Philippines 14, Others 19)



Bilateral Meeting with Malaysia Chapter

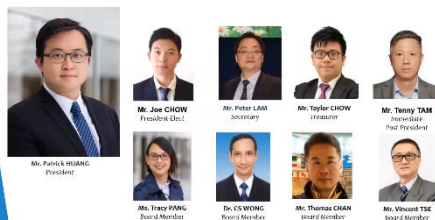
- The Bilateral Meeting with Malaysia Chapter was held online on 21 Nov 2020 (Sat) with Malaysia Chapter being the host for the year 2020.
- Total 9 attendees from Singapore Chapter and around 15 attendees from Malaysia Chapter participated.
- MOU renewal, APCBE, and mutual information exchange on webinars/seminars for CTTC were discussed.
- Decided that MOU between the 2 Chapters be renewed for another 5 years starting from 1 Jan 2021.



HONG KONG CHAPTER

Hong Kong Chapter President, Mr. Patrick Huang presented his report.

OFFICERS AND GOVERNORS 2021-22



Patrick introduced Hong Kong Chapter's BOG and Officers.

9.2

Hong Kong Chapter Activities in 2020-2021

MP PROMOTION – FSE ENGINEERING 25 SEP 2020



VIRTUAL DIALOGUE WITH SOCIETY PRESIDENT MR. CHARLES GULLEDGE - 7 OCT 2020



REGION-XIII 24th CHAPTER REGIONAL CONFERENCE (CRC-2021)



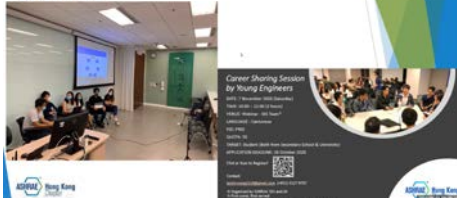
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MINUTES OF MEETING

YEA CAREER SHARING
7 Nov 2020



RP WALK 2020 - PEAK



ASHRAE HKC ANNUAL GENERAL MEETING (AGM)
31 MAR 2021



ASHRAE HONG KONG CHAPTER
TECHNOLOGY AWARD CEREMONY- 29 JUN 2021



MALAYSIA CHAPTER

Malaysia Chapter President, Mr. King Yong Jin presented his report with the introduction of Malaysia Chapter's BOG and Committee.



Malaysia Chapter Activities in 2020-2021

9.3

MAIN ACTIVITIES HIGHLIGHTS 2020-2021

Some of the main activities/events of ASHRAE Malaysia Chapter carried out for the term are as follows:

Item	Activity/Event
1	1-23 August 2020 Virtual CRC-2020 and RRM-1 (2020-2021)
2	November 2020 ASHRAE Malaysia Chapter's 35th Anniversary E-Book Souvenir Programme
3	21 November 2020 Virtual Bilateral Meeting with Singapore Chapter
4	5 April 2021 ASHRAE Malaysia Chapter - IEM MoU Signed
5	24 May 2021 30P Virtual AGM



AMC STRATEGY PLAN 2020 - 2024



ASHRAE Malaysia Chapter Technology Awards

ASHRAE Malaysia Chapter Technology & Refrigeration Award 2021

- Commercial Buildings – New – Winner
- Industrial Facilities – New – Honourable Mention



Chapter Technology Transfer 2021-2022

- 7 July 2021 - Basic Requirements for HVAC Systems for Healthy Indoor Air Quality
- 15 July 2021 - Disruptive Technologies on Motor Loads
- 28 July 2021 - New Era of Integrated Thermal Energy Management
- 14 August 2021 - Importance of Ventilation in SARS-CoV-2 Transmission
- 18 & 19 August 2021 - IAQ & Ventilation: Covid & Beyond-Airborne & Non-Airborne Solutions





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MINUTES OF MEETING

Government Affairs 2021-2022

- Working Group on Smoke and Heat Control System (WG/M4-2) for Malaysian Standard MS 2586
- DOSH Malaysia YouTube Forum and Dialogue on Guidance on improving IAQ during Pandemic COVID-19, 22 July 2021
- UMMC & MOH - Guidelines On Ventilation In Healthcare Setting To Reduce The Transmission Of Respiratory Pathogens published on 5 August 2021.

Chapter Student Activities 2020-2021

ASHRAE Malaysia Chapter Scholarship 2020
The local chapter have decided to award two students of a total of USD 1,500 scholarship funds. The breakdown are as follow:

- US\$1,000 for **Ms. Lim Pei Yee** and
- US\$500 for **Mr. Lim Song Yan**

ASHRAE Malaysia Chapter Scholarship Committee 2020-2021
Chair: **W. Low Han Guan, Den**
Members:
Mr. Tan Ken Cheong
Mr. Ee Seong Eng
Mr. Ho Ng
Mr. Bernard Loh

TAIWAN CHAPTER

Taiwan Chapter President, Mr. Tu Wei-Da presented his report.

2021-2022 Officer Roster & Chapter Admin

 Dr. TU Wei-Da	 Dr. LAI Ching-Chang	 Mr. SUN Ting-Bo	 SA Chair Dr. CHANG Chih-Chang	 Nominating Chair Mr. CHANG Shan-Li	 Newsletter Editor Dr. YANG Kai-Sheng	 Nominating Committee Mrs. HSU Chia-Chi	 ISA Chair Dr. LAO Jian-Yi
 Dr. LIN Hung-Wen	 Dr. KUAN Yen-Der	 PE Chair PE LEE Mu-Chun	 Honorary and Awards Mr. YEH Chih-Ling	 SC Chair Dr. YANG Kai-Sheng	 Nominating Committee PE WANG Wei-Dong	 Sustainability Chair & 2023 CRC Chair Dr. ZHENG Ming-Shan	
 Treasurer Mr. CHANG Gann	 IT Chair Dr. LUO Wen-Jai	 PE LIN Kuan-Ting	 BP Co-chair PE LIN Han-Chang	 Historian Dr. LEE Meng-Chieh	 Videomaster Dr. YANG Kai-Sheng	 Nominating Committee Mr. HWANG Ren-Jie	

9.4

Taiwan Chapter Activities in 2020-2021

Activities for the preceding year (20-21)

Activities for the preceding year (20-21)

Activities for the preceding year (20-21)

2021-2022 Chapter





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MINUTES OF MEETING

PHILIPPINES CHAPTER

Philippines Chapter President, Mr. Rodel Simbillo presented a video on Philippines Chapter Activities

EXECUTIVE COMMITTEE MEETING VIA ZOOM
(JULY 21, 2020)



VIRTUAL DIALOGUE WITH SOCIETY PRESIDENT MR. CHARLES GULLEDGE
(OCTOBER 5, 2020)



RESEARCH PROMOTION COMMITTEE MEETING VIA ZOOM
(AUGUST 7, 2020 AND AUGUST 14, 2020)



RP TECHNICAL WORKSHOP SERIES MODULE 1
(OCTOBER 16, 2020)



CTTC MEETING VIA ZOOM
(JULY 21, 2020)



CTTC MEETING WITH MALAYSIA CHAPTER FOR
WEBINAR COLLABORATION
(NOVEMBER 4, 2020)



STUDENT ACTIVITIES COMMITTEE MEETING VIA ZOOM
(JULY 17, 2020)



MEMBERSHIP PROMOTION COMMITTEE MEETING
(AUGUST 5, 2020)



ECC/ WEB/ NEWS COMMITTEE MEETING VIA ZOOM
(JULY 17, 2020)



SUSTAINABILITY WEBINAR (February 19, 2021)



9.5





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MINUTES OF MEETING

THAILAND CHAPTER

Thailand Chapter President, Mr. Rapeerat Thanyawatpornkul presented his report.

VIETNAM SECTION 2021-2022



Mr. Rapeerat introduced Thailand Chapter BOG and Committee

ASHRAE THAILAND CHAPTER 2021-2022



Mr. Rapeerat introduced Vietnam Section Committee

Thailand Chapter Activities in 2020-2021

9.6

ASHRAE Thailand Chapter Activity 2020-2021



• On 5th August 2020, ASHRAE Thailand chapter joint with Air Conditioning Association of Thailand hold a seminar on "Conclusion on Design and Installation for Air Conditioning Systems to Fight with Covid-19" at Swiss Sotel Le Concorde.

• On 22nd, 29th August 2020, 5th, 12th, 19th, 26th September 2020, ASHRAE Thailand chapter joint with Air Conditioning Association of Thailand hold a professional training program "Junior Engineers" at Town in Town Hotel.

ASHRAE Thailand Chapter Activity 2020-2021



• On Thursday 3rd September 2020, ASHRAE Thailand chapter joint with Air Conditioning Association of Thailand hold a seminar on "Covid-19 and Technology Selection for Airborne Infection Elimination" at Swiss Sotel Le Concorde, Ratchadapisek Rd.

ASHRAE Thailand Chapter Activity 2020-2021



• On Tuesday 22nd September 2020, ASHRAE Thailand chapter joint with Air Conditioning Association of Thailand hold a technical visit to Sanyang Mittraw, a new commercial center at the heart of Bangkok.

• On Tuesday 22nd September 2020, ASHRAE Thailand chapter joint with Air Conditioning Association of Thailand hold a seminar on "IoT Application and Diagnostic Tool for Energy Saving in Chiller System" at Swiss Sotel Le Concorde, Ratchadapisek Rd.

ASHRAE Thailand Chapter Activity 2020-2021



On Thursday 1st October 2020, ASHRAE Thailand chapter joint with Air Conditioning Association of Thailand hold a seminar on "District Cooling System & Built-Operate-Transfer (BOT)" at Swiss Sotel Le Concorde, Ratchadapisek Rd.

• On 10th, 17th, 24th, 31st October 2020, 7th, and 14th November 2020, ASHRAE Thailand chapter joint with Air Conditioning Association of Thailand hold a professional training program "Senior Engineers" at Town in Town Hotel.

ASHRAE Thailand Chapter Activity 2020-2021



• On Saturday 3rd October 2020, ASHRAE Thailand chapter joint with Singapore chapter and Malaysia chapter hold a Distinguished Lecturer Webinar on "Humidity Control with and without Reheat" presented by Mr. Thomas H Durkin.



• On Monday 5th October 2020, ASHRAE Thailand chapter joint with Philippines chapter, Malaysia chapter and Indonesia chapter in a virtual dialogue session with our ASHRAE Society President, Mr. Charles Guldage.

ASHRAE Thailand Chapter Activity 2020-2021



• On 15th December 2020, ASHRAE Thailand chapter hold a Webinar on "Advanced Energy Design Guide Overview Basic" presented by Mr. Michael Schwedler, ASHRAE President Elect.

• On 16th December 2020, ASHRAE Thailand chapter hold a Webinar on "The Advanced Energy Design Guide for Hospitals – Reducing energy consumption by 50%" by Michael Schwedler, ASHRAE President Elect.















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MINUTES OF MEETING

	<div><div>ASHRAE Thailand Chapter Activity 2020-2021</div><div></div><div><ul style="list-style-type: none">On Thursday 8th October 2020, ASHRAE Thailand chapter joint with Air Conditioning Association of Thailand hold a technical visit to Underwriters Laboratories (Thailand) LimitedOn Wednesday 27th October 2020, ASHRAE Thailand chapter joint with Air Conditioning Association of Thailand hold a technical visit to Singha Complex</div></div> <div><div>ASHRAE Thailand Chapter Activity 2020-2021</div><div></div><div><ul style="list-style-type: none">On Thursday 5th November 2020, ASHRAE Thailand chapter joint with Air Conditioning Association of Thailand hold a seminar on "Let make it done to the commissioning problem in our generation" at Swiss Sotel Le Concord, RatchadapisekOn 7th November 2020, ASHRAE Thailand chapter joint with Malaysia and Singapore chapter hold a Webinar on "Airflow Management for Healthcare Facilities" presented by Dr. Kishor Khankar, Fellow ASHRAE</div></div>																									
9.7	<div><div>INDONESIA CHAPTER</div><div>Indonesia Chapter President, Mr. Fathurrahman Nugraha presented his report.</div><div><div>ASHRAE INDONESIA CHAPTER OFFICER & COMMITTEE CHAIRS</div><table><tr><td>President: Fathurrahman Y Nugraha</td><td>President Elect: Yongkie Tiano</td><td>Secretary: Wira Endratami</td><td>Treasurer: Dedy El Rusdid</td></tr><tr><td>Past President: Kusdianto Kusni</td><td>Member BOG: Ari Darmawan Pasek</td><td>Member BOG: Muhamad Idrus Alhamid</td><td>Member BOG: Rana Yusuf Nasir</td></tr><tr><td>CRC Chair: Herlin Herlianika</td><td>CTT Chair: Asap Kurniawan</td><td>CTT Co-Chair: Dany Watanabe</td><td>Historian & EC Chair: Ferdian Lo</td></tr><tr><td>GA Chair: Kafudin</td><td>GA Co-Chair: Cahyarin</td><td>MP Chair: Egi Alghafari</td><td>Refrigeration: Tedy Chriswanda</td></tr></table><div><div>ASHRAE INDONESIA CHAPTER OFFICER & COMMITTEE CHAIRS</div><table><tr><td>RP Chair: Ardiansyah Yalm</td><td>RP Co-Chair: Primadi Raharja</td><td>SA Chair: Arnas Lubis</td><td>SA Co-Chair: Achmad Rofi</td></tr><tr><td>YEA Chair: Depri Yantri</td><td>YEA Co-Chair: Febryan</td><td></td><td></td></tr></table></div></div><div><div>Mr. Fathur introduced Indonesia Chapter's BOG and Committee for 2021-2022.</div><div></div></div></div> <div><div>Indonesia Chapter Activities in 2020-2021</div><div><div>Indonesia Chapter 2020 Activity</div><div>2020 ASHRAE Activity - WEBINAR</div><div></div></div><div><div>PLANNING ACTIVITY 2021 - 2020</div><div>3. CRC, Chapter Regional Conference (Hybrid) : 20th - 21st August 2021</div><div></div></div></div> <div><div>PLANNING ACTIVITY 2021 - 2020</div><div>4. Distinguished Lecturer (DL), with Topics :<ul style="list-style-type: none">Data Center : (Achieving a Green Data Center, Airflow Management Best Practice) → September 2021Hospital : (Understanding the ASHRAE Advanced Energy Design Guide for Large Hospital, Achieving 50% Energy Saving) → December 2021Commercial Building : (Energy Audits: The basics of setting up and executing energy audits in commercial buildings, Energy efficiency in commercial building) → March 2022Industrial : (New Technology in Food Industry Facility, Food Reservation and Logistic) → June 2022</div></div> <div><div>PLANNING ACTIVITY 2021 - 2020</div><div>5. Local Seminar, Workshop and Member Event Collaboration of RP, MP, YEA, SA, GA and Refrigeration Committee<ul style="list-style-type: none">RP & MP Honor NightRefrigeration & Cold Chain Training SeriesYEA and Student ActivityGovernment Standard and Regulation</div></div>	President: Fathurrahman Y Nugraha	President Elect: Yongkie Tiano	Secretary: Wira Endratami	Treasurer: Dedy El Rusdid	Past President: Kusdianto Kusni	Member BOG: Ari Darmawan Pasek	Member BOG: Muhamad Idrus Alhamid	Member BOG: Rana Yusuf Nasir	CRC Chair: Herlin Herlianika	CTT Chair: Asap Kurniawan	CTT Co-Chair: Dany Watanabe	Historian & EC Chair: Ferdian Lo	GA Chair: Kafudin	GA Co-Chair: Cahyarin	MP Chair: Egi Alghafari	Refrigeration: Tedy Chriswanda	RP Chair: Ardiansyah Yalm	RP Co-Chair: Primadi Raharja	SA Chair: Arnas Lubis	SA Co-Chair: Achmad Rofi	YEA Chair: Depri Yantri	YEA Co-Chair: Febryan			<div><div><p>Fathurrahman NUGRAHA Indonesia Chapter</p></div></div>
President: Fathurrahman Y Nugraha	President Elect: Yongkie Tiano	Secretary: Wira Endratami	Treasurer: Dedy El Rusdid																							
Past President: Kusdianto Kusni	Member BOG: Ari Darmawan Pasek	Member BOG: Muhamad Idrus Alhamid	Member BOG: Rana Yusuf Nasir																							
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MINUTES OF MEETING

JAPAN CHAPTER

Japan Chapter President, Mr. Ryoza Ooka presented his report.

BOG, Officer & Chair 2021 - 2022



Ryoza Ooka
President/Delegate



Susumu Horikawa
President-elect/Secretary



Junta Nakano
Treasurer



Masayuki Ichinose
Secretary



Kyosuke Hiyama
MP Chair



Kosuke Sato
CTTC Chair



Norihiro Inoue
RP Chair



Kitaro Mizuide
GGA Chair



Hideaki Kikumoto
SA Chair



Sayana Tsushima
YEA Chair



Masayuki Ogata
CC Chair/Webmaster



Shinsuke Kato
Historian



Shin-ichi Tanabe
BOG



Tamio Itoh
BOG



Motoi Yamaba
BOG



Kazuhide Ito
BOG



Masanari Ukai
BOG



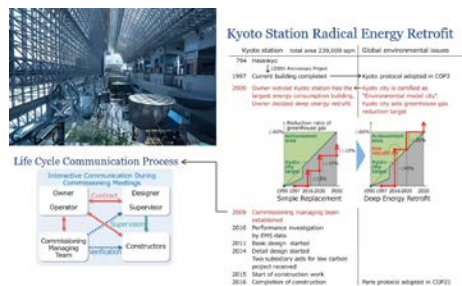
Akio Miyara
BOG

Mr. Ooka introduced Japan Chapter BOG and Committee

Japan Chapter Activities in 2020-2021

9.8

Lecture on 2020 Technology Award



2021 ASHRAE Japan Chapter Technology Award

DaiyaGate Ikebukuro, Tokyo



2021 ASHRAE Japan Chapter Technology Award





BUSINESS SESSION NO.2

JAKARTA, INDONESIA
FRIDAY (21st AUGUST 2021)
08:00AM – 11:00AM JAKARTA TIME

USA EASTERN DAYLIGHT TIME
THURSDAY (20th AUGUST 2021)
21:00PM – 12:00AM US-EDT

MINUTES OF MEETING

SOUTH KOREA CHAPTER

South Korea Chapter President, Mr. Jeong Jae-Won presented his report.



Officers (2021-2022)



President
Jae-Weon Jeong
Hanyang Univ.



President Elect
Minki Sung
Sejong Univ.



Treasurer
Jae Han Lim
Ewha W. Univ.



Secretary
Dong Hwa Kang
Univ. of Seoul



Research P.
Jong Rim Jung
Sahm-Shin Engineers



Membership P.
Kwang Ho Lee
Korea Univ.



CTTC
Seong-Hwan Yi
Ventilation I K



GGAC
Jaehoon Chung
Cnl Engineering

Mr. Jeong introduced
South Korea Chapter's BOG
and Committee



Officers (2021-2022)



SAC
Nam Yujin
Busan N. Univ.



YEA
Sungmin Yoon
Incheon National
Univ.



Historian
Min-Hwi Kim
KIER



ECC
Jaewan Joe
Inha Univ.



Refrigeration
Sung Lok Do
Hanbat Nat'l Univ.

Board of Governors :

Prof. Kwang-Woo Kim, D.Arch., ASHRAE Fellow
Prof. Hwa-Talk Han, Ph.D., ASHRAE Fellow
Prof. Yong-Shik Kim, Ph.D., Chapter President (2014-2016)
Prof. Young Il Kim, Ph.D., Chapter President (2016-2020)
Prof. Eon-Ku Rhee, Ph.D.
Mr. Ki-Ho Kang
Mr. Jeong-Seo Na
Mr. Cha-Su Jeong
Mr. Ki-Hong Byun

9.9



South Korea Chapter's Activities in 2020-2021



Supporting ISHVAC 2021 International conference



Building up more close relationships & cooperating works

Korean Institute of Architectural Environment and Building Systems



The Society of Air-Conditioning and Refrigerating Engineers of Korea



BUSINESS SESSION NO.2

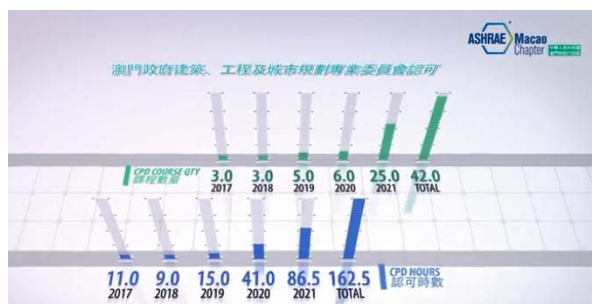
JAKARTA, INDONESIA
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THURSDAY (20th AUGUST 2021)
21:00PM – 12:00AM US-EDT

MINUTES OF MEETING

MACAO CHAPTER

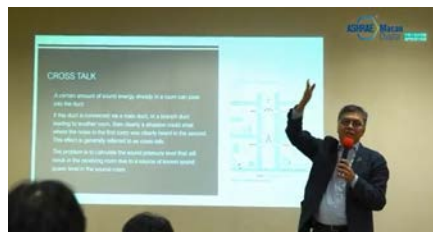
Macao Chapter President, Mr. Alfred Wong presented a video of Macao Chapter activities in 2020-2021.



Macao Chapter has organized 42 ASHRAE seminars since its formation in 2017 until today



9.10





BUSINESS SESSION NO.2

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08:00AM – 11:00AM JAKARTA TIME

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THURSDAY (20th AUGUST 2021)
21:00PM – 12:00AM US-EDT

MINUTES OF MEETING

10.0 NOMINATING COMMITTEE MEMBER REPORT

Regional Nominating Committee Member, Mr. Jojo Castro presented his report.

REGION XIII 2021-2022 ASIA PACIFIC CONFERENCE ON THE BUILT ENVIRONMENT											
NOMINATING COMMITTEE											
No.	POSITION	Member of	CRC-2013	CRC-2014	CRC-2015	CRC-2016	CRC-2017	CRC-2018	CRC-2019	CRC-2020	CRC-2021
1.	VICE CHAIRMAN	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair
2.	VICE CHAIRMAN	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair
3.	VICE CHAIRMAN	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair
4.	VICE CHAIRMAN	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair
5.	VICE CHAIRMAN	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair
6.	VICE CHAIRMAN	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair
7.	VICE CHAIRMAN	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair
8.	VICE CHAIRMAN	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair
9.	VICE CHAIRMAN	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair
10.	VICE CHAIRMAN	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair
11.	VICE CHAIRMAN	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair
12.	VICE CHAIRMAN	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair
13.	VICE CHAIRMAN	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair
14.	VICE CHAIRMAN	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair
15.	VICE CHAIRMAN	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair
16.	VICE CHAIRMAN	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair
17.	VICE CHAIRMAN	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair
18.	VICE CHAIRMAN	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair
19.	VICE CHAIRMAN	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair
20.	VICE CHAIRMAN	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair	Chair

DELEGATES HAVE ENDORSED THREE (3) VOTING MEMBERS AND ONE (1) OBSERVER FOR THE POSITIONS AND THIS WILL BE REPORTED BY APCBE CHAIRMAN NG WEN BIN



REGION XIII 2021-2022 POSITIONS

NOTE: CANDIDATES FOR THE FOLLOWING REGIONAL POSITIONS MAY BE NOMINATED BY REGIONAL NC & RECOMMENDED TO DRC OR APPOINTED BY DRC. **THE DRC HOWEVER HAS THE FINAL DECISION.**

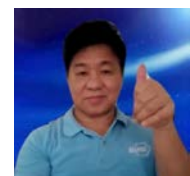
- 1) ASSISTANT REGIONAL CHAIR
- 2) TREASURER
- 3) HISTORIAN
- 4) WEBMASTER ELECTRONIC COMMUNICATION
- 5) REFRIGERATION
- 6) NEWSLETTER EDITOR
- 7) INTERNAL AUDITOR

NOMCOM DID NOT TOUCH THESE APPOINTED POSITIONS

AGAIN, THIS IS WHAT DRC ASKED OUR REGION MUST JOIN

Delegates should contact members that they believe could contribute to Society by committee membership

- | | |
|---------------------------|-------------------------|
| Audit | Historical |
| Building Energy Quotient | Honors & Awards |
| Certification | Planning |
| Conferences & Expositions | Training & Education |
| Development | Publications |
| Communications | Refrigeration |
| Environmental Health | Residential Buildings |
| Finance | Society Rules Committee |





BUSINESS SESSION NO.2

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MINUTES OF MEETING

11.0 APCBE REPORT

APCBE Steering Committee Chair, Mr. Ng Wen Bin presented his report.

2020-2021 2nd REGIONAL PLANNING MEETING (RPM-2)

Steering Voting Committee Members

ASHRAE Region XIII APCBE
ASIA-PACIFIC CONFERENCE ON THE BUILT ENVIRONMENT

WenBin NG
Chair
(2020 – 2023)

Prof. Dr. Wang Fu-Jen
Secretary
(2019 – 2022)

Dr. Yang Junjing
Member
(2020 – 2023)

Michael SUNG, Ka Leung
Member
(2020 – 2024)

Dr. Thosaporn Katejanekarn
Member
(2019 – 2022)

Dr. Ari Darmawan Pasek
Member
(2020 – 2023)

Prof. Akio Miyara
Member
(2021 – 2024)

Prof. Dr. Young Il Kim
Member
(2019 – 2022)

Ir. Peter Chan Seck Pong
Member
(2021 – 2024)

2020-2021 2nd REGIONAL PLANNING MEETING (RPM-2)

ASHRAE Region XIII APCBE
ASIA-PACIFIC CONFERENCE ON THE BUILT ENVIRONMENT

ASHRAE Region XIII – The 16th Asia Pacific Conference on the Built Environment
NET ZERO STRATEGIES FOR EXISTING BUILDINGS
APCBE 2021 Macau
中華人民共和國 澳門特別行政區

16th APCBE 2021 – Macau
(7th & 8th October 2022)

Mr. Ng introduced his APCBE Steering Committee Members



2020-2021 2nd REGIONAL PLANNING MEETING (RPM-2)

18th APCBE 2025 Opening Bid

ASHRAE Region XIII APCBE
ASIA-PACIFIC CONFERENCE ON THE BUILT ENVIRONMENT

LIST OF ASIA PACIFIC CONFERENCE ON THE BUILT ENVIRONMENT (APCBE)				
	HOST CHAPTER	DATE	YEAR	TOTAL
1ST	SINGAPORE	15-17 MAY	1991	
2ND	SINGAPORE	02-03 NOV	1993	SINGAPORE 4
3RD	SINGAPORE	01-03 JUNE	1995	MALAYSIA 2
4TH	MALAYSIA	03-06 NOV	1997	TAIWAN 3
5TH	TAIWAN	29NOV-02DEC	1999	HONG KONG 2
6TH	SINGAPORE	14-17 NOV	2001	PHILIPPINES 2
7TH	HONG KONG	18-19 NOV	2003	THAILAND 1
8TH	PHILIPPINES	25-26 NOV	2005	INDONESIA 2
9TH	THAILAND	22-23 NOV	2007	MACAU 1
10TH	TAIWAN	05-06 NOV	2009	JAPAN
11TH	INDONESIA	20-21 OCT	2011	KOREA
12TH	PHILIPPINES	05-06 NOV	2013	TOTAL 17
13TH	HONG KONG	19-20 NOV	2015	
14TH	INDONESIA	18-19 NOV	2017	
15TH	TAIWAN	18-19 OCT	2019	
16TH	MACAU	22-23 OCT	2021	
17TH	MALAYSIA	???	2023	
18TH	???	???	2025	

18th APCBE 2025 is opened for bid.

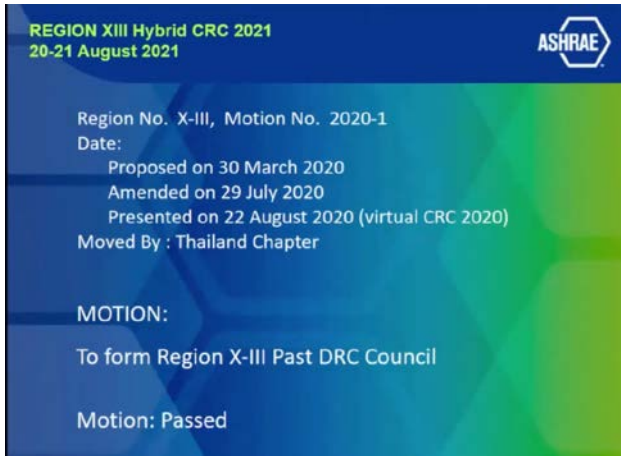





BUSINESS SESSION NO.2

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21:00PM – 12:00AM US-EDT

MINUTES OF MEETING

12.0 CRC MOTIONS		
12.1	<p>Motion Update</p> <p>Region XIII RMCR Mr. Bill Wang presented an update on a Motion for the “formation of Region-XIII Past DRC Council” which was moved and passed at the Virtual CRC-2020.</p> 	 <p>Bill Wang</p>
12.2	<p>New Motion</p> <p>Mr. Bill Wang highlighted that a new Motion has been proposed to postpone the 16th APCBE from 2021 to 2022.</p>  <p>Macao Chapter President, Mr. Alfred Wong Seng Fat moved the Motion and read the purpose and intention of moving this Motion.</p> <p><u>Region XIII Regional Motion No. 1</u> Date: 21st August 2021 Moved By: Macao Chapter Motion seconded by Malaysia Chapter Motion: To move the 16th Asia Pacific Conference on Build Environment (APCBE) scheduled to be held in Macau on October 22nd and 23rd 2021 to be delayed to October 2022</p>	 <p>Bill Wang</p>



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MINUTES OF MEETING

Background Information

Due to lingering of the COVID-19 Pandemic, it is anticipated that travelling restriction in the region will not be lifted by Oct 2021. As the physical meeting is under support of the Macau Government Agency, IPIM, Macau Trade and Investment Promotion Institute, Macao Chapter has decided to postpone the physical meeting instead of holding an on-line meeting. The APCBE is a good occasion for scholars in the region to meet and to share their new and ideas in enhancing the built environment. It is also a good opportunity for their physical encounter to build friendship and networking with the peers.

In fact, the Conference is one of the ICCA, (International Congress and Conference Association) approved conferences so that it will reinforce Macau's status in the World as a MICE (Meeting, Incentive, Convention and Exhibition) destination. It is thus a reason why IPIM decided to sponsor this conference. Consequently, holding this conference in a physical way in Macau will promote ASHRAE Macao Chapter among the general public here and will get more local people as well as the Government to familiarize with ASHRAE.

It is also a good opportunity for Macao Chapter to gain experience in organizing similar conferences such as the CRC which is also an ICCA enlisted conference and will gain similar support from the Government if it is ever held in Macau.

Fiscal Impact: NIL (only delay income to 2022)

Vote Count (by visual and voice confirmation virtually)

For: 7 Against: 2 Abstained: 1
Passed: Yes Failed: No

Conclusion: This Motion is passed and carried through.

Comments from the floor

1. Mr. Ow Chee Sheng of Malaysia Chapter asked if the 17th APCBE in 2023 will be moved to another year in view of the 16th APCBE being moved to 2022. The 17th APCBE Organizing Chairman replied that the 17th APCBE will remain in 2023 subject to another APCBE Steering Committee discussion in October 2021.
2. Mr. Leong Cheng Wee posed a question what happens if the 16th APCBE cannot be held physically in 2022. Mr. Peter of Macao Chapter replies saying that another postponement has not been discussed at this point in time.
3. Ms. Tracy Pang of Hong Kong asked a question whether the 16th APCBE is definitely not going to be a virtual meeting. Mr. Peter Chan replied that a physical face-to-face conference is preferred and the option of a virtual conference has not been discussed so far within the APCBE Steering Committee.
4. Mr. Chirdpun of Thailand Chapter (against the motion) voiced his concern of the credibility of the conference if we postpone as the speakers will withdraw their technical papers to participate in other conferences.



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MINUTES OF MEETING

5. Mr. Chandra Sekhar on the other hand feels that a postponement will not be a concern as many international conferences are also being postponed in view of the current pandemic situation
6. Mr. Peter Chan further reiterated that it is not in their plan to postpone the 16th APCBE by more than one year. If really a physical face-to-face conference is not possible in 2022 due to the continuing Pandemic then the possibility of a virtual conference will be considered.

13.0 CHAPTER REGIONAL CONFERENCE (CRC)

CRC-2022 TOKYO, JAPAN

CRC-2022 General Chair, Mr Ryoza Ooka reported.

ASHRAE CHAPTER
REGIONAL
CONFERENCE 2022

• Tokyo, August 19th - 20th 2022
• Waseda University, Tokyo, Japan



LOCATION, WESEDA
UNIVERSITY, TOKYO



VENUE, IBUKA HALL,
WESEDA
UNIVERSITY

TENTATIVE PROGRAM

Day	Program	Location
Day0	Thursday, 19 August, 2022	
14:00	RP Bowling	
16:30	Reception	Buka Hall, Waseda University
18:00	Welcome Reception	Buka Hall, Waseda University
Day1	Friday, 20 August 2022	
8:00	Student Registration	Buka Hall, Waseda University
9:00	Student participate in Technical Seminar	
9:00	Sponser Program	RHGA Royal Hotel Tokyo Lobby
9:30	CRC & Technical Seminar Registration	Buka Hall, Waseda University
9:30	Technical Seminar	Buka Hall, Waseda University
12:30	Presidential Luncheon	RHGA Royal Hotel Tokyo
14:30	Business Session 1	Buka Hall, Waseda University
15:10	Coffee Break	Buka Hall, Waseda University
15:30	Business Session 1	Buka Hall, Waseda University
16:30	Orientation & Caucus Session	Buka Hall, Waseda University
18:00	APCBE Steering Committee	Buka Hall, Waseda University
19:00	Banquet Dinner	RHGA Royal Hotel Tokyo

TENTATIVE PROGRAM

Day2	Saturday, 21 August, 2022	
7:30	Student Registration and Assembly	RHGA Royal Hotel Tokyo Lobby
8:30	Student Groups depart to visit sites	
7:30	Executive & Caucus Session (with B)	RHGA Royal Hotel Tokyo
7:30	Membership Promotion Centralized Training (MP)	Buka Hall, Waseda University
7:30	Research Promotion	Buka Hall, Waseda University
7:30	Young Engineer in ASHRAE (YEA)	Buka Hall, Waseda University
7:30	Electric Communication & Website (ECW)	Buka Hall, Waseda University
7:30	Chapter Technology Transfer (CTTC)	Buka Hall, Waseda University
10:00	Coffee Break	Buka Hall, Waseda University
10:30	Student Activities (SA)	Buka Hall, Waseda University
10:30	Government Affair Chair (GAC)	Buka Hall, Waseda University
10:30	Registration	Buka Hall, Waseda University
12:30	Welcome to ASHRAE	Buka Hall, Waseda University
12:30	Host Chapter Luncheon & Awards Presentation	Buka Hall, Waseda University
14:00	Chapter Operation & PAQE Workshop/ Business Session No.2	Buka Hall, Waseda University
15:30	Coffee Break	Buka Hall, Waseda University
16:00	Business Session No.3	Buka Hall, Waseda University
17:30	CRC Reviewing Meeting	Buka Hall, Waseda University
Day3	Sunday, 22 August, 2022	
8:30	Regional Planning Meeting 1	RHGA Royal Hotel Tokyo
10:00	Coffee Break	RHGA Royal Hotel Tokyo
10:30	Regional Planning Meeting 1	RHGA Royal Hotel Tokyo

Registration Fee

CRC2022 Package	Early Bird Price	Normal Price
Package A – Technical Seminar	USD 180	USD 200
Package B – Business Session	USD 375	USD 425
Package C – Full Package	USD 450	USD 500
Package G – Student program	USD 175	USD 195

All Packages include

- Conference kits
- Lunch and coffee breaks
- Welcome cocktail and gala dinner





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21:00PM – 12:00AM US-EDT

MINUTES OF MEETING

CRC-2023 TAICHUNG, TAIWAN

CRC-2023 General Chair, Mr. Jeng Ming Shan reported.

2023 18th - 19th August



Maple Garden (秋紅香生糖公園)



26th Chapter Regional Conference
(CRC-2023)
in Taichung, Taiwan



Venue



Agenda

Date	Time	ACTIVITIES
8/17 (Day 0)	18:30-20:30	Welcome reception
8/18 (Day 1)	09:00-12:00	Technical seminar
	12:00-13:30	Presidential luncheon
	13:30-16:50	Business session No.1
	18:30-21:00	Banquet
8/19 (Day 2)	09:00-12:00	Committee workshops
	12:00-14:00	Presidential luncheon & Award Presentation
	14:30-16:50	Business session No.2

Packages & Rates

Package Type	Package Inclusions	Fee before 15 July 2023 (\$USD)	Fee after 15 July 2023 (\$USD)
A	Technical Program	180	200
B	Business Session (includes Package D+E+F)	375	425
C	Full package (includes Package A+B)	450	500
D	Presidential Luncheon	100	100
E	Banquet Dinner	130	150
F	Host Chapter Luncheon & Awards Presentation	100	100
G	Student Program	175	195

26th CRC Organizing Committee Members

Committee	Name	Email Address
General Chair	Ming-Shan Jeng	msjeng@itri.org.tw
Vice Chairman	Hung-Wen Lin	hlw@itri.org.tw
	Derek Kang	derekkang@itri.org.tw
Secretary	Wei-Da Tu	weidatu@gmail.com
Treasurer	Jerry Huang	tuntos@ms23.hinet.net
Publicity	Yu-Lieh Wu	wuyli@ncut.edu.tw
Technical Seminar	Win-Jet Luo	wjluo@ncut.edu.tw
Accommodation & Venue	Chin-Chang Lai	lai.c368@gmail.com
Attendance/Registration	Gavin Chang	gavin@telasia.net
Hospitality	Jeffrey Lee	MCJL@ntuc.edu.tw
Student Program Chair	Fu-Jen Wang	fjwang@ncut.edu.tw
Banquet Dinner Chair	Chia-Chi Hsu	chi_hsu@yahoo.com
Advisor	Jui-Fah Chou	alpha123@ms9.hinet.net
	Bing-Chwen Yang	bcyang@itri.org.tw
	Wei-Dong Wang	bw4644@ms4.hinet.net
	Yang-Cheng Shih	f10958@ntut.edu.tw



JENG Ming Shan

REGION-XIII 24th CHAPTER REGIONAL CONFERENCE (CRC-2021)



BUSINESS SESSION NO.2

JAKARTA, INDONESIA
FRIDAY (21st AUGUST 2021)
08:00AM – 11:00AM JAKARTA TIME

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THURSDAY (20th AUGUST 2021)
21:00PM – 12:00AM US-EDT

MINUTES OF MEETING

CRC-2024 MACAO

Macao Chapter President, Mr. Alfred Wong presented and advised that a General Chair will be appointed soon.

ASHRAE Region XIII – CRC 2024

Date & Venue
Day 0 : 16 or 23 August 2024 (Friday) – Welcome Dinner
Day 1 : 17 or 24 August 2024 (Saturday) – Full Day Conference
Breakfast+ Lunch+ Banquet Dinner
Day 2 : 18 or 25 August 2024 (Sunday) – Half Day Conference
Breakfast
Venue : Macao Studio City

ASHRAE Region XIII – CRC 2024

Welcome to Macao



14.0 APPOINTMENT OF INTERNAL AUDITOR

Region XIII DRC Mr. Apichit announced the appointment of Mr. Ow Chee Sheng and Mr. Ng Yong Kong as Region XIII's Internal Auditor for 2021-2022



15.0 ANY OTHER BUSINESS (AOB)

- | | |
|------|--|
| 15.1 | 2021-2022 Regional Planning Meeting No.1 (RPM-1)
DRC Mr. Apichit proposed for our 2021-2022 RPM-1 to be held on the 16 th October 2021. All Chapters agreed. |
| 15.2 | A round table roll-call was conducted with no further AOB from the floor. |



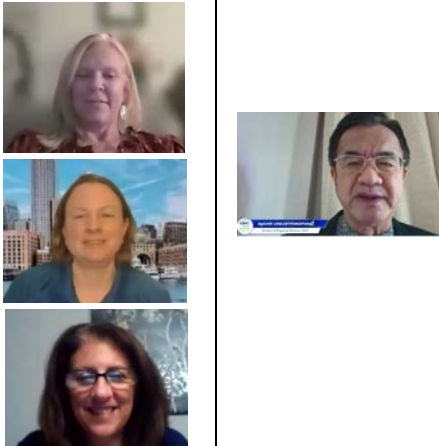




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MINUTES OF MEETING

16.0 CLOSING OF BUSINESS SESSION NO. 2		
	<p><u>WORD OF THANKS</u></p> <p>R-XIII DRC Mr. Apichit extended a word of thanks to Society Officers and everyone for attending this meeting and also to Indonesia Chapter for a wonderful CRC-2021.</p> <p>Ms. Ginger Scoggins thanked everyone for a fantastic job and great enthusiasm in the CRC.</p> <p>Ms. Sarah Maston thanked Region XIII for inviting her and appreciated all the hard work that everyone has put in to make this CRC-2021 a success.</p> <p>Ms. Stephanie Reiniche thanked all for having her in our CRC-2021.</p>	
	<p><u>THANK YOU AND FAREWELL MESSAGE BY CRC-2021 HOST CHAPTER</u> <u>JAKARTA, INDONESIA</u></p> <p>Host Chapter shared a farewell video with all in their traditional cultural and colourful costumes of Indonesia.</p> 	
	<p><u>CALL TO ADJOURN BUSINESS SESSION NO.2</u></p> <p>Proposer: Mr. Patrick Huang of Singapore Chapter Secunder: Mr. Tu Wei-Da of Taiwan Chapter</p>	
	<p>Business Session No.2 was officially adjourned at 11:05 am Jakarta time</p>	

2021-2022 CRC CHAPTER SUMMARY REPORT INSTRUCTIONS

1. MEMBERSHIP PROMOTION:

- **Area assigned members** = members who have paid society dues (available from the **PAOE Area Assigned Member Count Listing** on the ASHRAE website). At www.ashrae.org, login using your email address and password. Mouse over the Communities tab and select Chapter Reports, PAOE and CIQ located on the left. On next page, select the PAOE icon (blue trophy). Under the Presidential Award of Excellence title, select Report (blue box with arrow pointing up). Click on dropdown box for Area Assigned Members then select the PAOE Society year for Area Assigned Members which lists Members and Students, by Region and Chapter.
- **Chapter dues paying members** = number of members in current chapter roster, excluding students (available from the **Chapter Dues Paid/Unpaid Report**). This report is included with the Chapter Reports posted on the ASHRAE website at www.ashrae.org. Use the same login information as shown above in Membership Promotion, select the Chapter Reports icon (orange square with arrow pointing up). **In the second box marked Dues, select "Paid to Society: PDF/XLS"** (pdf or Excel; run by date).
- **New members to date** = new chapter dues paying members (available from the **New Members Report**). This report is included with the Chapter Reports posted on the ASHRAE website at www.ashrae.org. (See instructions above in **Chapter Dues Paying Members**), then select **New Members, PDF or XLS** (pdf or Excel; run by date).
- **Delinquent members to date** = delinquent area assigned members (available from the **Society Unpaid Dues Report-Members**). This report is included with the Chapter Reports on the ASHRAE website at www.ashrae.org. (See instructions above in **Chapter Dues Paying Members**), in the second box marked **Dues**, select **Delinquency** (Excel; run by date).

Instructions to access the Chapter Reports are listed in the above paragraph for Chapter Dues Paying Members. These are live data reports so your numbers are up-to-date. If you have any questions or need further assistance, please contact the following ASHRAE staff: Daniel Gurley (dgurley@ashrae.org); or Vickie Grant (vgrant@ashrae.org) or Tammy Catchings (tcatchings@ashrae.org).

2. STUDENT ACTIVITIES:

- The number of new student members is available from chapter membership report. (See instructions above in **Chapter Dues Paying Members**), then select **Chapter Change Detail, Summary, PDF** (PDF; run by date).
- List the number of student branches the chapter is currently supporting.

Information that may be included in the attached chapter executive summary; number of K-12 student activities, number of post high school student activities, number of teach-ins per class to an organized student group and monthly meeting student nights. **For more information contact ASHRAE staff Katie Thomson** (kthomson@ashrae.org).

3. CHAPTER TECHNOLOGY TRANSFER:

Information that may be included in the attached chapter executive summary; the number of technical programs on refrigeration technology to professional or business groups, number of presentations by an ASHRAE TC member, number of chapter sponsored continuing education courses and the number of Technology Award submittals into chapter, regional and Society competition.

- List the number of regular monthly meetings with tech program
- List the average chapter monthly meeting attendance
- List the number of seminars, ALI courses, tours or other technical programs outside regular monthly meeting
- List the number of chapter social events
- List the number of Chapter Technology Awards and the number of chapter presentations on refrigeration technology

Information that may be included in the attached chapter executive summary; if the full chapter yearly programs and speakers and schedules were announced in the chapter newsletter by October 22, list of

chapter programs and speakers. **For more information contact ASHRAE staff Rhiannon Masterson (rmasterson@ashrae.org).**

4. RESEARCH PROMOTION/FUNDRAISING:

- List the chapter goal and the total dollars contributed.

Information that may be included in the attached chapter executive summary; full circle level, number of RP nights, number of contributions \$50 and above, High Five Award and RP trends. **For more information contact ASHRAE staff Julia Mumford (jmumford@ashrae.org).**

5. GOVERNMENT AFFAIRS:

- List the Chapter goals and grassroots activities of the past year.
- Seeking proclamations from Governors, Mayors and other elected officials for National Engineers Week (E-week)
- Soliciting nominations for the Government Advocacy Award and obtaining Government Affairs Award entries into regional competition
- Other grassroots activities not mentioned above.

Information that may be included: holding combined Chapter meetings with other organizations to discuss HVAC&R, visiting elected/appointed officials, holding a "Day on the Hill," inviting elected/appointed officials to speak at Chapter meetings. **For more information contact ASHRAE staff Alice Yates (ayates@ashrae.org).**

6. YOUNG ENGINEERS IN ASHRAE (YEA):

- List the number of new YEA members
- List the total number of YEA members
- List what percentage of the chapter total membership is comprised of YEA members

Information that may be included in the attached chapter executive summary; number of YEA activities and/or events, any SmartStart promotions, and any collaborations with other committee to promote membership recruitment and retention. **For more information contact ASHRAE staff Jeanette McCray (jmccray@ashrae.org).**

7. CHAPTER HISTORY:

Indicate if the chapter had a historical display at the CRC or has moved the current history information to the chapter website.

8. FINANCES:

List the chapter total funds balance (include all accounts), chapter dues, average monthly meal cost and the date of the last chapter audit.

Information that may be included in the attached chapter executive summary; the dollar amount for reserve funds, active checking, scholarship accounts. Describe any other sources of income and describe any special project or programs funded by the chapter.

Contents of Chapter Executive Summary Attachment:

1. Chapter Problems

List your chapter's problems and comment on your solutions to these problems.

2. Chapter Innovations and Suggestions

Comment on any successes and new ideas that were introduced during the year.

3. CRC Summary Form Background

Include a brief paragraph for each section of the CRC summary report form that highlights the chapter activities not included on the summary for each area.

2021-2022 ASHRAE CRC CHAPTER SUMMARY REPORT

REGION		CHAPTER WEBSITE:					
CRC LOCATION							
CHAPTER							
CHAPTER NUMBER							
1. MEMBERSHIP PROMOTION		YTD/REPORTED 2021-2022	REPORTED 2020-2021	REPORTED 2019-2020			
NUMBER OF AREA-ASSIGNED MEMBERS (AAM)							
NUMBER OF CHAPTER DUES PAYING MEMBERS (CDPM)							
NUMBER OF NEW MEMBERS TO DATE (AAM)							
NUMBER OF MEMBERS DELINQUENT TO DATE (AAM)							
2. STUDENT ACTIVITIES							
NUMBER OF NEW STUDENT MEMBERS							
NUMBER OF ACTIVE STUDENT BRANCHES							
3. CHAPTER TECHNOLOGY TRANSFER							
NUMBER OF REGULAR MONTHLY MEETINGS WITH TECH PROGRAM							
MONTHLY MEETING ATTENDANCE (TOTAL/AVERAGE)							
NUMBER OF SEMINARS, ALI COURSES, TOURS OR OTHER TECHNICAL PROGRAMS OUTSIDE REGULAR MONTHLY MEETING							
NUMBER OF TECHNICAL PROGRAMS ON REFRIGERATION TECHNOLOGY							
NUMBER OF SOCIAL EVENTS SEPARATE FROM A TECHNICAL PROGRAM (I.E. GOLF, MEMBER'S NIGHT OUT, ETC.)							
NUMBER OF TECHNOLOGY AWARD SUBMITTALS TO CHAPTER/REGION							
4. RESEARCH PROMOTION/FUNDRAISING							
CHAPTER GOAL							
TOTAL DOLLARS CONTRIBUTED							
5. GOVERNMENT AFFAIRS							
LIST THE CHAPTER GOALS AND GRASSROOTS ADVOCACY OF THE PAST YEAR (USE SEPARATE PAGE)							
INFORMATION THAT MAY BE INCLUDED: HOLDING COMBINED CHAPTER MEETINGS WITH OTHER ORGANIZATIONS TO DISCUSS HVAC&R, VISITING ELECTED/APPOINTED OFFICIALS, HOLDING A "DAY ON THE HILL," INVITING ELECTED/APPOINTED OFFICIALS TO SPEAK AT CHAPTER MEETINGS							
SEEKING PROCLAMATIONS FROM GOVERNORS, MAYORS AND OTHER ELECTED OFFICIALS FOR NATIONAL ENGINEERS WEEK (E-WEEK)							
SOLICITING NOMINATIONS FOR THE GOVERNMENT ADVOCACY AWARD AND OBTAINING GOVERNMENT AFFAIRS AWARD ENTRIES INTO REGIONAL COMPETITION							
NUMBER OF ADVOCACY MEETINGS AND OTHER ACTIVITIES							
OTHER GRASSROOTS ACTIVITIES NOT MENTIONED ABOVE (USE SEPARATE PAGE)							

6. YOUNG ENGINEERS IN ASHRAE (YEA)				
NUMBER OF NEW YEA MEMBERS				
NUMBER OF TOTAL YEA MEMBERS				
PERCENTAGE OF YEA MEMBERS FROM THE TOTAL CHAPTER MEMBERSHIP				
7. CHAPTER HISTORY				
CHAPTER HISTORICAL DISPLAY AT CRC				
CHAPTER HISTORY MOVED TO WEB SITE				
8. FINANCES				
TOTAL FUNDS BALANCE				
CHAPTER DUES				
MEMBER COST OF MEALS				
DATE OF LAST CHAPTER AUDIT				

SPRING CRCs – ENTER DATA FOR THE CURRENT YEAR IN THE “YTD REPORTED” COLUMN AND ENTER YTD RESULTS OF PREVIOUS YEARS IN THE LAST TWO COLUMNS.

FALL CRCs – ENTER DATA FOR THE YEAR JUST COMPLETED IN THE “YTD REPORTED” COLUMN AND ENTER DATA FOR YEAR-END RESULTS OF PREVIOUS YEARS IN THE LAST TWO COLUMNS.

MOTIONS AND RESOLUTIONS AT THE CRC

Chapter members have the right and the responsibility to present to the chapter CRC Action Committee motions to enhance regional, chapter or Society activity. These motions will be presented by the delegate during the business session at the CRC where they can be discussed and voted on, following Robert's Rules of Order. Motions and resolutions coming out of the CRC can be most effective if presented in proper form. A fine conceptual resolution can be lost in the legislative process at Society level for want of proper wording, background explanation or research. The purpose of this document is to furnish suggestions for proper development of motions and procedures to funnel the motion into the correct committees.

All CRC motions except regional motions are brought to the Members Council by the RMCR for action. Members Council will approve, disapprove, postpone, amend or refer these motions in accordance with the following:

- A. Committees and Councils to which Members Council refers a motion must report the disposition of the motion to Members Council.
- B. CRC motions affecting the Presidential Award of Excellence will be reviewed and discussed by the Members Council and recommendations forwarded to the President-Elect.
- C. The RMCR has the responsibility of monitoring all CRC motions from his/her region and reporting at the next CRC the status of those motions.

MOTION FORMAT: The motion should be written in concise, succinct language ("whereas" and "legalese" do not enhance the understandability or acceptability of motions). A sample format is shown on the next page. The body of the motion should contain as completely as possible the following information:

- A. State completely the action which is being recommended or required. Example: "Move that Society dues be lowered..."
- B. Qualify wherever possible elements of the motion so that they are not open-ended or open for interpretation, debate or floor negotiation. Example: "Move that Society dues be lowered to \$90 per year..."
- C. Include wherever appropriate the time frame for the execution of your request. Example: "Move that Society dues be lowered to \$90 per year, effective July 1, 2013" (with background data on fiscal impact, if possible).
- D. Where a motion is expected to modify or to become a Rule of the Board (ROB), it should be worded as the proposed Rule of the Board it is intended to read.

REQUIRED BACKGROUND INFORMATION: As a separate statement, provide historical background, progression of events, related incidents or other general information which would be helpful for the council and subsequently Board of Directors to appropriately debate and decide on the issue. The more thorough the background, the more convincing the arguments, the more complete the research, the more beneficial the request is to the betterment of the Society, the more likely the matter will be dealt with favorably.

In summary, a good motion spells out who, what, when, how much and then explains why it is good and timely action.

MANUAL FOR CHAPTER OPERATIONS

Appendix 7C: Sample Format for CRC Motions

(check one): ☐ Regional Motion ☐ Society Motion

Motion Identification No.

(Region No., Motion No., Date)

Moved By: _____

Motion: _____

Background Information: _____

Fiscal Impact: _____

Vote Count:

For: _____ **Against:** _____ **Abstained:** _____ **Chair Voting:** _____

Passed: ☐ **Failed:** ☐ **Withdrawn:** ☐

JOHN F. JAMES INTERNATIONAL AWARD

Guidelines for the award shall be as follows:

- A. The purpose of the award is to recognize members of the Society who have done the most to enhance the Society's international presence or posture. This award shall only be awarded once to a member. (08-06-23-11)
- B. The award shall be in the form of a plaque, lapel pin, and transportation, if not otherwise reimbursed by the Society. The award may be presented at the Winter Meeting of the Society. (05-06-27-41)
- C. A list of candidates shall be submitted to the Members Council Planning Subcommittee for approval by the committee, who shall then nominate a candidate to the ASHRAE Honors and Awards Committee no later than the preceding Annual Meeting, together with documentation supporting their recommendation detailing the nominees accomplishments that enhanced the Society International presence as described in paragraph D below. (This includes promotion of ASHRAE through relations with Associate Societies and HVAC&R related societies in other countries.) (02-01-13-14-28/05-06-27-41)
- D. The selection of the candidate shall be based upon any one or a combination of the following:
 - (1) Participation in International activities related to ASHRAE's interest.
 - (2) Exchange of information with international communities in the form of symposia, seminars, lectures, etc. (05-06-27-41)
 - (3) Dissemination of ASHRAE technical information for the enhancement of international standards.
 - (4) Adaptation or introduction of innovative HVAC&R technology(ies) between two or more countries. (05-06-27-41)
 - (5) Recruitment of members, and/or the formation of chapters, sections and student branches outside North America. (05-06-27-41)
 - (6) Previous recipients are not eligible to receive this award more than once.
- E. Nominations may come directly from a member or from a CRC nomination. Nominations with support documentation should be sent to Members Council through the Regional Conferences or directly to the Director of Member Services no later than May 1. (05-06-27-41)
- F. The Honors and Awards Committee shall forward the name of the approved candidate to the Members Council for final approval.

REGION XIII CAR ASHRAE Shanghai Group

Member Id	Name	Current Grade	Award Description
8085411	Prof Youming Chen, PhD	Member	2013 - ASHRAE Technology Award

HONG KONG

Member Id	Name	Current Grade	Award Description
8053777	Mr Hei Kin Chan	Member	2020 - Chapter Service Award
5087386	Dr Ka-Lung Raymond Chan	Member	2012 - Chapter Service Award
2008331	Mr Seck Pong Chan, C Eng	Member	2017 - ASHRAE Technology Award
2042295	Mr Tsz Kin Chan	Associate	2012 - Chapter Service Award
5115913	Prof Christopher Y H Chao, PhD	Member	2005 - Ralph G Nevins Award
5097653	Mr Tim Cheng	Member	2009 - Chapter Service Award
8195032	Mr Joe Chow	Member	2019 - Chapter Program Star Award
5036025	Dr Tin-Tai Chow, PhD	Fellow Life Member	2017 - Chapter Service Award
5036025	Dr Tin-Tai Chow, PhD	Fellow Life Member	2008 - Fellow Award
5137778	Prof Wan Ki Chow	Fellow Member	2015 - Fellow Award
132084	Dr Roger C Y Chu	Fellow Life Member	2002 - Fellow Award
132084	Dr Roger C Y Chu	Fellow Life Member	2004 - Chapter Service Award
132084	Dr Roger C Y Chu	Fellow Life Member	2008 - Regional Award of Merit
2039240	Mr Tak-Wing Chu	Member	2009 - Chapter Service Award
2039240	Mr Tak-Wing Chu	Member	2018 - Regional Award of Merit
2023774	Mr Colin C L Leong Chung	Member	2020 - ASHRAE Technology Award
2038699	Dr Sam C M Hui, PhD	S-B-A Member	2008 - Chapter Service Award
2038699	Dr Sam C M Hui, PhD	S-B-A Member	2008 - Regional Award of Merit
2038699	Dr Sam C M Hui, PhD	S-B-A Member	2017 - Government Advocacy Award
411777	Mr I K Kwan	Life Member	1983 - 50-Year Member Award
412236	Mr Ping Ki Kwok	Fellow Life Member	2016 - Distinguished 50-Year Member Award
8284208	Mr Kin Kwok LAM	Member	2020 - ASHRAE Technology Award
5112532	Mr Ying Wai Lam	Member	2008 - Chapter Service Award
5112532	Mr Ying Wai Lam	Member	2008 - Regional Award of Merit
5206769	Mr Siu Lam Li	Member	2011 - Chapter Service Award
5033038	Prof Yuguo Li	Fellow Member	2006 - Fellow Award
5033038	Prof Yuguo Li	Fellow Member	2021 - Louise & Bill Holladay Dist Fellow Award
7991636	Mr Wan Fuk Lin, Eng	Member	2015 - Chapter Service Award
8151419	Mr Chun Kei Ng	Member	2020 - ASHRAE Technology Award
5138831	Prof Jianlei Niu	Fellow Member	2013 - Fellow Award
8030353	Ms Ching Man Tracy Pang	Member	2017 - Chapter Service Award
8030353	Ms Ching Man Tracy Pang	Member	2018 - Regional Award of Merit
5016935	Mr Wai Keung Pau	Member	2007 - Regional Award of Merit
5016935	Mr Wai Keung Pau	Member	2008 - Chapter Service Award
8203302	Miss Mun Wai Pun	Member	2018 - YEA Award of Individual Excellence
5157025	Mr Ka Leung Sung	Member	2020 - ASHRAE Technology Award
726867	Mr Chun On Synn	Fellow Life Member	2001 - Chapter Service Award
5146056	Mr Calvin C H Tang	Member	2014 - Chapter Service Award
752820	Mr Vincent K C Tse	Fellow Life Member	1995 - Fellow Award
752820	Mr Vincent K C Tse	Fellow Life Member	2000 - Regional Award of Merit
752820	Mr Vincent K C Tse	Fellow Life Member	2003 - Distinguished Service Award
752820	Mr Vincent K C Tse	Fellow Life Member	2008 - Chapter Service Award
752820	Mr Vincent K C Tse	Fellow Life Member	2015 - Exceptional Service Award
5040782	Mr Edward Ka Cheung Tsui	Member	2008 - Chapter Service Award

HONG KONG (continued)

Member Id	Name	Current Grade	Award Description
5040782	Mr Edward Ka Cheung Tsui	Member	2011 - Regional Award of Merit
5040782	Mr Edward Ka Cheung Tsui	Member	2012 - John F James International Award
5040782	Mr Edward Ka Cheung Tsui	Member	2015 - Distinguished Service Award
5040782	Mr Edward Ka Cheung Tsui	Member	2019 - Exceptional Service Award
5129753	Prof Shengwei Wang, PhD	Member	2014 - ASHRAE Technology Award
5183787	Dr Chun-Sing Wong, PhD	Member	2017 - Chapter Program Star Award
5183787	Dr Chun-Sing Wong, PhD	Member	2018 - Chapter Service Award
5183787	Dr Chun-Sing Wong, PhD	Member	2020 - Regional Award of Merit
5083080	Dr Raymond Man-Hung Yau, PhD	Member	2008 - Chapter Service Award
5083080	Dr Raymond Man-Hung Yau, PhD	Member	2010 - Regional Award of Merit
5106864	Miss Mo Cheung Ying	Member	2014 - Chapter Service Award
5126019	Mr Yee-Ming Yiu	Member	2009 - Chapter Service Award
5082818	Dr Philip C H Yu, PhD, RPE CEng	Fellow Member	2001 - Regional Award of Merit
5082818	Dr Philip C H Yu, PhD, RPE CEng	Fellow Member	2008 - Chapter Service Award
5082818	Dr Philip C H Yu, PhD, RPE CEng	Fellow Member	2012 - Lou Flagg Historical Award
5082818	Dr Philip C H Yu, PhD, RPE CEng	Fellow Member	2018 - Fellow Award

INDONESIA

Member Id	Name	Current Grade	Award Description
5020414	Mr John B H Listijono	Fellow Life Member	2009 - Fellow Award

JAPAN

Member Id	Name	Current Grade	Award Description
8249093	Mr Susumu Horikawa	Member	2017 - ASHRAE Technology Award
8249093	Mr Susumu Horikawa	Member	2018 - ASHRAE Technology Award
8249093	Mr Susumu Horikawa	Member	2020 - ASHRAE Technology Award
8188865	Prof Masayuki Ichinose, PhD	Member	2017 - ASHRAE Technology Award
8353516	Mr Hiroki KAWAKAMI	Member	2019 - ASHRAE Technology Award
8356830	Mr Tanaka Koji, P.Eng	Member	2019 - ASHRAE Technology Award
8389727	Mr Hirotaka Kubo, Eng	Associate	2022 - ASHRAE Technology Award
8295155	Dr Kitaro Mizuide	Member	2017 - ASHRAE Technology Award
8295155	Dr Kitaro Mizuide	Member	2022 - ASHRAE Technology Award
540378	Dr Yasunobu Nishi	Fellow Life Member	2019 - Distinguished 50-Year Member Award
8039632	Prof Ryoza Ooka, PhD	Member	2022 - Fellow Award
7998498	Dr Chun-cheng Piao PhD	Member	2022 - Fellow Award
8357049	Kosuke Sato PhD	Member	2020 - ASHRAE Technology Award
8353869	Mr Hiroaki Takai	Associate	2019 - ASHRAE Technology Award
8389726	Mr SHIRO TSUKAMI, Eng	Member	2022 - ASHRAE Technology Award
8354711	Mr Kazuki Wada	Member	2019 - ASHRAE Technology Award

MACAO

Member Id	Name	Current Grade	Award Description
8276559	Mr Paul Mikii Kaur Abuel	Member	2018 - ASHRAE Technology Award
2008331	Mr Seck Pong Chan, C Eng	Member	2020 - ASHRAE Technology Award
8134516	Mr Abdul Razaak Syed Mubarak	Member	2018 - ASHRAE Technology Award

MALAYSIA

Member Id	Name	Current Grade	Award Description
8048231	Mr Jian Wen Chan	Member	2016 - Chapter Service Award
7974289	Mr Suei Keong Chea	Member	2020 - Chapter Service Award
5062552	Mr Thiam Leong Chen, PE	Life Member	2003 - Fellow Award
5062552	Mr Thiam Leong Chen, PE	Life Member	2013 - ASHRAE Technology Award
5062552	Mr Thiam Leong Chen, PE	Life Member	2013 - Chapter Service Award
5143374	Mr Ng Kah Choong	Member	2015 - Chapter Service Award
5134544	Mr Say Jan Foo	Retired Member	2020 - Chapter Service Award
5152361	Ms Irin Kang Siew Foon	Member	2013 - Chapter Service Award
2050747	Dr K S Kannan	Fellow Life Member	2006 - Fellow Award
5063084	Mr Ng Yong Kong, P.Eng.	Member	2008 - Chapter Service Award
5063084	Mr Ng Yong Kong, P.Eng.	Member	2009 - Regional Award of Merit
8154502	Mr Kim Seong Lam	Member	2018 - Chapter Service Award
5186459	Mr Siew M Leong	Retired Member	2008 - Chapter Service Award
2021272	Mr Soon Wah Wah Loh	Member	2003 - Regional Award of Merit
2021272	Mr Soon Wah Wah Loh	Member	2020 - Chapter Service Award
5045769	Mr Han Guan Den Low	Member	2011 - Chapter Service Award
5045769	Mr Han Guan Den Low	Member	2013 - Regional Award of Merit
5045769	Mr Han Guan Den Low	Member	2019 - Distinguished Service Award
7976114	Mr Ching Loon Ong, PE	Member	2012 - Chapter Service Award
5022919	Dr Chee Sheng Ow, PhD	Fellow Life Member	2001 - Fellow Award
5022919	Dr Chee Sheng Ow, PhD	Fellow Life Member	2002 - Regional Award of Merit
5022919	Dr Chee Sheng Ow, PhD	Fellow Life Member	2013 - Distinguished Service Award
2024143	Mr Adrian Jin Kiat Tan	Life Member	2003 - Regional Award of Merit
2024143	Mr Adrian Jin Kiat Tan	Life Member	2020 - Chapter Service Award
5128807	Mr Chioo Bin Tan	Member	2020 - Chapter Service Award
5015981	Mr Hing F Yong	Member	2003 - Regional Award of Merit

PHILIPPINES

Member Id	Name	Current Grade	Award Description
8121697	Mr Dennis L Alejandro	Member	2021 - Chapter Service Award
5220193	Dr Manuel C Belino, PhD	S-B-A Member	2008 - Chapter Service Award
5220193	Dr Manuel C Belino, PhD	S-B-A Member	2008 - Student Activities Achievement Award
8073449	Mr Dominador De Guzman Castro, Jr	Member	2012 - Chapter Service Award
8073449	Mr Dominador De Guzman Castro, Jr	Member	2015 - Regional Award of Merit
8011519	Mr Leandro Austria Conti	Member	2021 - Chapter Service Award
8133559	Mr Jaime Jajay E Cruz	Member	2021 - Chapter Service Award
8093796	Mr Joselito B David	Member	2021 - Chapter Service Award
5113387	Mr Danilo De Guzman Duya	Associate	2021 - Chapter Service Award
5134843	Mr Cesar Luis D L Lim	Fellow Member	2008 - Chapter Service Award
5134843	Mr Cesar Luis D L Lim	Fellow Member	2009 - Milton W Garland Refrigeration Award
5134843	Mr Cesar Luis D L Lim	Fellow Member	2010 - Fellow Award
5134843	Mr Cesar Luis D L Lim	Fellow Member	2015 - Distinguished Service Award
8226543	Mr Giovanni Pamintuan Mendoza	Member	2021 - Chapter Service Award
5056457	Mr Eric Moreno Panzo, Sr	Life Member	2008 - Chapter Service Award
5126734	Mr Rosendo C Perez, Jr	Member	2021 - Chapter Service Award
5110625	Mr Cezar P Punsalan	Member	2021 - Chapter Service Award
8093785	Mr Emmanuel C Punsalan	Member	2021 - Chapter Service Award

SINGAPORE

Member Id	Name	Current Grade	Award Description
2027009	Mr Yan Pong CHEE, PE	Fellow Life Member	2021 - Distinguished 50-Year Member Award
2027009	Mr Yan Pong CHEE, PE	Fellow Life Member	2003 - Fellow Award
2027009	Mr Yan Pong CHEE, PE	Fellow Life Member	2004 - Chapter Service Award
2027009	Mr Yan Pong CHEE, PE	Fellow Life Member	2009 - Regional Award of Merit
326673	Mr Hng Hung Chenh	Fellow Life Member	2019 - Distinguished 50-Year Member Award
130447	Dr SK Chou	Fellow Life Member	2005 - Fellow Award
5096121	Mr Sivakumar Gadam	Member	2011 - Chapter Service Award
7971093	Mr Kokann Ho, PE	Member	2021 - Chapter Service Award
5094713	Mr David M H Lau	Member	2011 - Chapter Service Award
5094713	Mr David M H Lau	Member	2016 - Regional Award of Merit
5094713	Mr David M H Lau	Member	2016 - Regional Award of Merit
8037942	Mr Francis Lee	Member	2014 - Chapter Service Award
5050914	Mr Siang Hwa Lek, PE	Member	2006 - ASHRAE Technology Award
5029946	Mr Cheng Wee Leong, PE	Member	2016 - Chapter Service Award
5029946	Mr Cheng Wee Leong, PE	Member	2019 - Regional Award of Merit
8204365	Prof Dusan Licina	Associate	2018 - Ralph G Nevins Award
8209114	Mr Kwong Chin Liew	Member	2019 - Chapter Service Award
2053478	Dr Eng Hong Ng	Life Member	2000 - Fellow Award
2053478	Dr Eng Hong Ng	Life Member	2000 - Regional Award of Merit
2053478	Dr Eng Hong Ng	Life Member	2010 - Chapter Service Award
8067845	Mr Ping Leung Ngan	Fellow Member	2017 - Chapter Service Award
8067845	Mr Ping Leung Ngan	Fellow Member	2019 - Fellow Award
8249250	Dr Jovan Pantelic	Associate	2016 - Ralph G Nevins Award
2053704	Prof Chandra Sekhar, PhD	Fellow Member	2007 - Fellow Award
2053704	Prof Chandra Sekhar, PhD	Fellow Member	2010 - Distinguished Service Award
2053704	Prof Chandra Sekhar, PhD	Fellow Member	2013 - Exceptional Service Award
2053704	Prof Chandra Sekhar, PhD	Fellow Member	2014 - Environmental Health Award
2053704	Prof Chandra Sekhar, PhD	Fellow Member	2015 - Chapter Service Award
2053704	Prof Chandra Sekhar, PhD	Fellow Member	2021 - E. K. Campbell Award of Merit
5059029	Mr Yew T A Sin, PE	Member	2008 - Chapter Service Award
729135	Mr Gek S Tan	Life Member	2014 - Chapter Service Award
729351	Mr Sunny CL Tan	Fellow Life Member	2000 - Fellow Award
729351	Mr Sunny CL Tan	Fellow Life Member	2002 - Regional Award of Merit
729351	Mr Sunny CL Tan	Fellow Life Member	2017 - Distinguished 50-Year Member Award
2014850	Mr Yong Hoa Tan, PE	Life Member	2004 - Regional Award of Merit
2014850	Mr Yong Hoa Tan, PE	Life Member	2008 - Chapter Service Award
2020027	Mr Yew Wah Wong	Life Member	2001 - Fellow Award
2020027	Mr Yew Wah Wong	Life Member	2001 - Regional Award of Merit
2020027	Mr Yew Wah Wong	Life Member	2005 - Distinguished Service Award
8088781	Mr Henry Seck Kan Yeo	Member	2019 - Chapter Service Award

SOUTH KOREA

Member Id	Name	Current Grade	Award Description
2017507	Prof Hwataik Han	Fellow Member	2018 - Fellow Award
5097154	Prof Kwang Woo Kim, Arch.D.	Retired Fellow Member	2011 - Lou Flagg Historical Award
5097154	Prof Kwang Woo Kim, Arch.D.	Retired Fellow Member	2015 - Fellow Award

TAIWAN

Member Id	Name	Current Grade	Award Description
5064576	Mr Hung-Yao Chao	Member	2016 - Chapter Service Award
126670	Mr Huei-Jiunn Chen	Life Member	2005 - Regional Award of Merit
126670	Mr Huei-Jiunn Chen	Life Member	2005 - Regional Award of Merit
8216898	Mr Kuan-chou Jude Chen	Member	2020 - Chapter Service Award
5133362	Dr Hsu-Cheng Chiang	Member	2018 - ASHRAE Technology Award
5085227	Mr Jui-Fah Chou	Member	2009 - Chapter Service Award
5020808	Prof Yew K Chuah	Fellow Member	2002 - Fellow Award
8013658	Ms Chia Chi Hsu	Member	2015 - Chapter Service Award
8013658	Ms Chia Chi Hsu	Member	2020 - Regional Award of Merit
8053875	Mr Renjie Jerry Huang, Eng	Member	2014 - Chapter Service Award
8229907	Dr Ming-shan Jeng	Member	2018 - ASHRAE Technology Award
8101729	Dr Yu-Hao Derek Kang, PhD	Member	2016 - Chapter Service Award
5061976	Prof Chi-Chuan Wang, PhD	Fellow Member	2005 - Fellow Award
777491	Mr David W P Wang	Fellow Life Member	2001 - Fellow Award
5022451	Prof Fu-Jen Wang, , PhD, PE	Fellow S-B-A Member	2015 - Chapter Service Award
5022451	Prof Fu-Jen Wang, , PhD, PE	Fellow S-B-A Member	2016 - Fellow Award
777519	Dr Jimmy Wang	Life Member	2000 - Regional Award of Merit
5065497	Mr Wei-Dong Wang, PE	Life Member	2014 - Chapter Service Award
5065497	Mr Wei-Dong Wang, PE	Life Member	2016 - Regional Award of Merit
5065497	Mr Wei-Dong Wang, PE	Life Member	2016 - Regional Award of Merit
5180686	Dr Bing-Chwen Yang, PhD	Member	2009 - Chapter Service Award
8173991	Mr Cheng Wei Yang	Associate	2016 - Student Design Project Competition Award
2027559	Dr Kuan-Hsiung Yang	Fellow Life Member	2006 - Fellow Award

THAILAND

Member Id	Name	Current Grade	Award Description
5206964	Mr Nirun Chayangsu	Member	2015 - Chapter Service Award
129126	Prof Richakorn Chirakalwasan, PE	Life Member	2015 - Chapter Service Award
5188895	Mr Chokewichit Laksanakorn	Associate	2015 - Chapter Service Award
415017	Mr Wichai Laksanakorn, PE	Fellow Life Member	2008 - Fellow Award
415017	Mr Wichai Laksanakorn, PE	Fellow Life Member	2020 - Distinguished 50-Year Member Award
415017	Mr Wichai Laksanakorn, PE	Fellow Life Member	2020 - Distinguished Service Award
3026759	Mr Apichit Lumlertpongpana	Fellow Life Member	2008 - Chapter Service Award
3026759	Mr Apichit Lumlertpongpana	Fellow Life Member	2010 - Fellow Award
5126653	Dr Tul Manewattana	S-B-A Member	2015 - Chapter Service Award
7971380	Mr Chakrapan Pawangkarat	Member	2015 - Chapter Service Award
2027002	Mr Kecha Thirakomen, PE	Fellow Life Member	2009 - Fellow Award
5011597	Mr Tawee Vechaphutti	Life Member	2003 - Fellow Award
5210522	Mr Chirdpun Vitooraporn	Member	2009 - Chapter Service Award

REGION XIII - OTHER

Member Id	Name	Current Grade	Award Description
5079153	Dr Pradeep Kumar Bansal	Fellow Life Member	2006 - Distinguished Service Award
5079153	Dr Pradeep Kumar Bansal	Fellow Life Member	2008 - Fellow Award
5079153	Dr Pradeep Kumar Bansal	Fellow Life Member	2016 - Exceptional Service Award
88600	Mr Clive R Broadbent	Fellow Life Member	2015 - Fellow Award
88600	Mr Clive R Broadbent	Fellow Life Member	2019 - Distinguished Service Award
5114224	Dr Donald J Cleland	Fellow Member	2009 - Fellow Award
5218414	Dr Jae-Weon Jeong	Member	2007 - Transactions Paper Award
5012232	Prof Shinsuke Kato, PhD	Fellow Life Member	1998 - Crosby Field Award
5012232	Prof Shinsuke Kato, PhD	Fellow Life Member	2007 - Distinguished Service Award
5012232	Prof Shinsuke Kato, PhD	Fellow Life Member	2007 - Fellow Award
443745	Mr Peng S Loh	Fellow Life Member	1996 - Fellow Award
2024611	Mr Cornelis A (Cees) Lommers	Life Member	1997 - ASHRAE Technology Award
496206	Mr Albert E Merryfull	Life Member	1991 - 50-Year Member Award
5012230	Mr Shuzo Murakami	Fellow Member	1998 - Crosby Field Award
540378	Dr Yasunobu Nishi	Fellow Life Member	1988 - Ralph G Nevins Award
540378	Dr Yasunobu Nishi	Fellow Life Member	1988 - Willis H Carrier Award
623835	Mr John A Robinson	Associate Life	1988 - 50-Year Member Award
5068825	Mr Charles Roos	Member	2022 - Fellow Award
2044961	Prof Shin-ichi Tanabe	Fellow Member	1990 - Ralph G Nevins Award
2044961	Prof Shin-ichi Tanabe	Fellow Member	2006 - Fellow Award
739287	Mr C Alan Thompson	Fellow Life Member	2019 - Distinguished 50-Year Member Award
2043705	Mr Hiroshi Yoshino	Fellow Life Member	2006 - Fellow Award

Scopes & Activities

Certification Committee is responsible for developing, implementing, and monitoring ASHRAE's personnel credentialing programs.

Chapter Technology Transfer Committee (CTTC) provides efficient and effective transfer of current and relevant information throughout the HVAC&R industry to and from the chapters. CTTC develops and maintains high quality and readily available tools to enable chapters to offer information and attractive industry-related information and programs to all segments within the HVAC&R industry. This committee reports to Members Council.

Chapters Regional Committees exist in each of the Society's regions. Each regional committee consists of one delegate and one alternate from each chapter with the regional chairman presiding. Each regional committee reviews recommendations from the chapters and student branches concerning policies, procedures and operation. Motions that are passed are reported to Members Council.

Conferences and Expositions Committee (CEC) provides ASHRAE members and other meeting attendees with fully coordinated, cost effective, theme-based meetings experiences with balanced technical and business/professional content. The committee also oversees the production of the Winter and Annual Meetings and other ASHRAE conferences and expositions globally. This committee reports to Members Council.

Communications Committee (CC) identifies the electronic communication needs of the membership and staff, recommends and maintains policies, and ensures that the implementation of information technologies meets the objectives and needs of the Society. Beginning in July 2004, the ECC assumes the responsibility for the ASHRAE website and electronic communications that had previously been assigned to the Special Publications Committee.

The "Roadmap for the ASHRAE Web Site" represents ASHRAE's vision for development of electronic communications in the Society. The ECC maintains the Roadmap as well as the "Policy and Procedures for Format, Activity, and Content of Web Sites for ASHRAE Groups."

Environmental Health Committee coordinates ASHRAE activities in the areas of environmental health and indoor air quality. This committee reports to Technology Council.

Executive Committee includes the President, President-Elect, Treasurer, Vice-Presidents, the Secretary (who is a non-voting member) and other members of the Board of Directors who may be designated by the Board. The Executive Committee investigates and makes reports and recommendations to the Board of Directors regarding matters relating to the Society or individual members.

Finance Committee supervises the Society's fiscal operations in accordance with the Bylaws and the policies set forth by the Board of Directors. This committee reports to the Board of Directors.

Government Affairs Committee (GAC) is responsible for grassroots activities and issues that relate to government entities beyond the scope of the U.S. federal government (i.e., U.S. state and local; provincial; and, relative to non-North American nations, national government bodies) in areas of interest to ASHRAE members in order to better coordinate efforts and understanding between ASHRAE grassroots members and local government. This committee reports to Members Council.

Handbook Committee prepares and publishes an *ASHRAE Handbook* volume each year. It also formulates editorial policy, solicits reviewers and authors, and judges the suitability of material for publication in the *ASHRAE Handbook* series. This committee reports to Publishing and Education Council.

Historical Committee sponsors, encourages and conducts research into the history of heating, ventilation, air conditioning and refrigeration; encourages authorship and publication of historical articles locates, identifies and determines location for display or availability of items of historical significance; and encourages regional and chapter historians to gather historical information and artifacts. This committee reports to Publishing and Education Council.

Honors and Awards Committee (H&A) administers the honors and awards program of the Society under guidelines established by the Board of Directors. This committee reports to Members Council.

Membership Promotion Committee (MP) publicizes the aims, activities, achievements, and scientific and educational purposes of the Society to encourage qualified persons to apply for membership. The committee also monitors the Society's membership demographics and, where appropriate, adjusts or creates programs to ensure that individuals from all demographic backgrounds are being equally attracted to ASHRAE. This committee reports to Members Council.

Nominating Committee selects candidates for elected officers and members of the Board of Directors. This committee reports directly to the ASHRAE membership.

Planning Committee is responsible for the Society's long-range and strategic planning. The committee develops, implements and monitors the long range plan and develops a method to monitor councils' and committees' progress in achieving long-range goals and objectives. This committee reports to the Board of Directors.

President-Elect Advisory Committee advises and assists the President-Elect in coordinating standing committee activities with the Directors-at-Large. This committee reports to the Executive Committee of the Board of Directors.

Professional Development Committee develops a comprehensive continuing education program to assist members in enhancing and maintaining their knowledge and improving their skills. This committee reports to Publishing and Education Council.

Publications Committee oversees editorial and functional activities for the publication of ASHRAE books, *ASHRAE Journal* and *ASHRAE Insights*. The Handbook series falls under the guidance of the Handbook Committee. This committee was formed by the merger of the Journal/Insights and Special Publications Committees. This committee reports to Publishing and Education Council.

Refrigeration Committee encourages the advancement of refrigeration technology and its application. Through its use in refrigeration and air conditioning systems, the refrigeration process has become critical to the health, comfort, and welfare of humanity. The Refrigeration Committee of ASHRAE encourages the advancement of refrigeration technology and its application. This committee reports to Technology Council.

Research Administration Committee conducts and coordinates basic research and technical studies in the HVAC&R fields to benefit the public welfare. This committee reports to Technology Council.

RP Committee plans and implements programs within the Society to generate funds to support ASHRAE research. This committee reports to Members Council.

Society Rules Committee considers all matters requiring development, interpretation and change in Society Bylaws, Rules of the Board, and other Society documents.

Standards Advisory Committee is responsible for monitoring policy aspects of standard and guideline development conducted by the Society. The SAC shall advise the Board of Directors on specific standards-related issues, and provide guidance/counsel to the Standards Committee and Technology Council.

Standards Committee is responsible for the selection, development, revision and preparation of HVAC&R code language documents, standards and guidelines so that they may be considered for adoption by the Board of Directors. In this capacity, the Standards Committee coordinates the work of Standard Project Committees and Guideline Project Committees that are responsible for the technical content of codes, standards and guidelines. The Standards Committee also cooperates with other organizations in the development, preparation and adoption of codes, standards and guidelines in related areas. This committee reports to Technology Council.

Student Activities Committee (SA) develops a comprehensive program for the educational community for the purpose of promoting and encouraging engineering and HVAC&R careers. It administers and promotes student activities at all levels in the educational system. This committee reports to Members Council.

Technical Activities Committee coordinates HVAC&R technical activities, including appointment, development and oversight of technical committees, task groups and technical resource groups. This committee reports to Technology Council.

Young Engineers in ASHRAE (YEA) Committee enhances member benefits for young professional ASHRAE members, 35 years old and younger, by identifying activities and services focused on their needs. This committee reports to Members Council.

Job Description Excerpts for DRC and RMCR

The following are excerpts of the DRC and RMCR positions. This document is not intended to serve as the full description of either position.

Director and Regional Chair (DRC):

Responsibilities

- Serves as a member of Board of Directors.
- Has prime responsibility to represent Society to region.
- Directs operation for region and presents region, chapters and membership viewpoints.

Qualifications/Obligations

- Shall be a member in good standing and shall have been a Member (grade) of Society for five years or more prior to date of election.
- Should have previously served as both Chapter President and Regional Vice Chair.
- Should be able and willing to travel and devote considerable time to Society

Region Members Council Representative (RMCR):

Responsibilities

- Serves as a member of Members Council.
- Responsibility to represent the region in Members Council deliberations.
- Assist Regional Vice Chairs (RVCs) in furthering the aims of the Society through Standing Committees.
- Maintain communications with the chapters and support programs of the Society within the region.
- Fully participate in all Members Council, assigned subcommittee and Ad Hoc Committee meetings.

Qualifications/Obligations

- Shall be a member in good standing and shall have been a Member (grade) of Society for three years or more prior to date of election.
- Should have previously served as both Chapter President and Regional Vice Chair.
- Should be able and willing to travel and devote considerable time to Society.
- May fill in for the DRC at a Board of Directors' meeting in the event the DRC is unable to attend.
- May also serve as the Assistant Regional Chair (ARC) as well as the RMCR.
- Shall coordinate and communicate with the DRC all Members Council activities as they relate to the region and its chapters.