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## DRC's Message



Dear friends in Region XIII,

The past six months had been a very exciting period for us.

With the Chapter Charter of Macau on 27th September 2016, our family in Region XIII has now grown to 10 Chapters. A very challenging and exciting event was the combined CRC between Region XIII and RAL held in Bangkok hosted by the Thailand Chapter lead by CRC Chair Apichit Lumlertpongpana followed by the BODs meeting end September/early October. The first BODs meeting held outside North America.

In the wink of the eyes, we are now into 2017. I sincerely hope every chapter will submit their proposal to make use of the Chapter Opportunity Fund to bring your Chapter to greater height. I thank you all for your past work and look forward to work with you on the challenges and opportunities in 2017. Some highlights for 2017 is the winter meeting and AHR in January, CAR- ASHRAE seminar in Shanghai and Webcast, our Region RPM in Hong Kong in May, CRC in Singapore in August and the APCBE in Bali in November.

Finally, I would like to wish you all a happy and prosperous year.

Yours sincerely,

Ng Yong Kong, P.Eng

DRC, RXIII

## ARI · XIII

ASHRAE Regional Intelligence

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**Editor:**

Tracy Pang ([tracy.pang@arup.com](mailto:tracy.pang@arup.com))

## Region XIII Regional Officers (2017-2018)

Here , I would like to take this opportunity to introduce our team in Region XIII.

Name	Position	Chapter
<b>Mr Ng Yong Kong</b>	Region Director and Regional Chair	Malaysia
<b>Mr. David Lau</b>	Assistant Regional Chair	Singapore
<b>Ms. Hsu ChiaChi</b>	Region Treasurer	Taiwan
<b>Mr Cheng Wee Leong</b>	Region Members Council Rep	Singapore
<b>Dr Bing-Chwen Yang</b>	Region Chapter Technology Transfer	Taiwan
<b>Mr Wei-Dong Wang</b>	Region Membership Promotion	Taiwan
<b>Mr Ching Loon Ong</b>	Region Research Promotion	Malaysia
<b>Dr Sam C M Hui</b>	Region Student Activities	Hong Kong
<b>Dr Rupesh S Iyengar</b>	Region YEA	Singapore
<b>Mr Vorasen Leewattanakit</b>	Region Grassroots Government Advocacy	Thailand
<b>Mr Siew M Leong</b>	Region Regional Historian	Malaysia
<b>Mr Apichit Lumlertpongpana</b>	Region Nominating Committee Member	Thailand
<b>Mr Low Han Guan Den</b>	Region Nominating Committee Alternate	Malaysia
<b>Mr. Calvin CH Tung</b>	Reg. Nominating Committee Reserve Alt.	Hong Kong
<b>Mr Apichit Lumlertpongpana</b>	Region CRC General Chair	Thailand
<b>Dr. M.Idrus Alhamid</b>	Region Refrigeration Chair	Indonesia
<b>Mr. Vincent Chu</b>	Region ECC & Webmaster	Hong Kong
<b>Ms. Tracy Pang Ching Man</b>	Region Newsletter Editor	Hong Kong



## New Chapter of RXIII – Macao Chapter Mr Peter Chan, Macao Chapter President

The chartering ceremony for the Macao Chapter was held on September 27 2016, which was officiated by President Tim Wentz and Mr. Peter Chan, was elected as the founding President.

During the ceremony, MGM Macau also donated a full set of ASHRAE Technical Publication to the Faculty of Science and Technology, University of Macau.



The Macao Chapter's first DL Talk was held on 21 November 2016 by Professor Bjarne Olesen with Dr. Peter Simmonds as guest speaker in Macau. The topics were on thermal comfort and radiant cooling & heating. There were over 100 audiences.





## Combined RXIII and RAL CRC 2016 in Thailand

The Super CRC was held successfully in Bangkok on 30 Sep to 1 Oct 2016. This is the first joint CRC for Region XIII and Region-At-Large and it is also the first time to have ASHRAE Headquarter to hold the BoDs and ExCom meeting out of North America. The total participants for this CRC was over 550 with a lot of joy and networking.

It started with a 1-day technical seminar and the theme was ‘Innovation for a Sustainable Future’. Our Society President, Mr. Timothy G. Wentz was the keynote speaker followed by several oversea speaker sharing their view and knowledge on sustainable future.

During the business session and Regional Planning Meeting (RPM), all the chapter delegates and Regional officers discussed the Region XIII matters in a very serious manner. In the evening, they all deserved the banquet dinner organized by the host chapter, Thailand Chapter, with the wonderful performance by students from various chapters.



A room is reserved for the ‘Women in ASHRAE (WIA)’ during the entire CRC period for ladies working for and contribute to ASHRAE to exchange ideas and experience.

At the end of the 3-Day event, Thailand Chapter invited society BoDs & ExCom, society staff and regional officers to join an amazing cruise tour for a relaxing evening.



## YEA International 2016

Dr. Rupesh Iyengar, Region YEA Coordinator

YEA Leadership International (YLI) Greece 2016 was held in Athens from 9-11 September 2016. The registrations were houseful making the YLI 2016 the most successful event conducted. The event saw 20 young engineers from over ten different countries, such as USA, UK, Greece, India, Lebanon, Abu Dhabi and Hong Kong, and training objectives of improving soft skills and one's personality was fulfilled. The Hellenic chapter organised very elaborate dinners on both days of the weekend which allowed the attendees to mingle and network among themselves. ASHRAE YEA members participated in dancing and singing during ice breaker sessions. Scavenger hunt was a popular team building activity that was appreciated by the attendees.



Tricia Evans, the official trainer of the event gave the participants a holistic view of one's strengths and weaknesses and shared her knowledge and experience. The ASHRAE team who organised the event, presented about YEA and ASHRAE at the event and engaged the participants in a discussion on mind mapping and brainstorming sessions. Members from R13 participated with enthusiasm which made the event a grand success.



Leadership is not only talking about how much power you have or how high your position is, but also how much you know about people, others and yourself. You cannot get along with your colleagues/friends when you don't understand their thoughts. Similarly, you cannot make a correct decision when you don't make up your mind. This is something learnt from the program by the R13 participants.



"We shared our views and personal goals in career, and learnt to develop the skill as managers and leaders. In the dinner time, we enjoyed ourselves in a traditional Greek restaurant with exotic live music and went dancing with signature moves. I was thrilled to be a part of YLI 2016 and get connected with other YEAs."

Cindy PUN from Hong Kong Chapter

"The program provided me a really great opportunity for self-reflection and inspired me to look for ways for improvements. I was encouraged and be inspired when interacting with other delegates. It was amazing to have friends that you can share views, collaborative ideas, and learn from each other. Thanks ASHRAE!

Mandy WONG from Hong Kong Chapter





## CTTC Update

### Dr Bing-Chwen Yang, CTTC RVC

The duty for the CTTC is to provide relevant technology related programs and coordinate the distribution of technical and industry related information to all the members. The chair is also required to assist Chapter Refrigeration Chair with Refrigeration Activities. Thanks to the previous RVC-CTTC Mr. Ong Ching-Long's effort. We have reached a great successful in both award and Distinguished Lecturer (DL) program.

#### RXIII Achievement in the CTTC award

- Technology Award

The purpose of this award is: (1) Local and international recognition of ASHRAE members for innovative designs, (2) Communication of innovative designs to other ASHRAE members, and (3) Highlight technological achievements of ASHRAE to other.

There are 3 entries for the Technology Award being submitted for this year. They are:

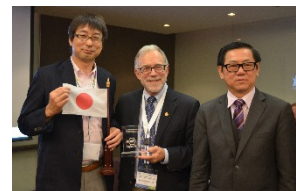
*(1) Shatin Communications and Technology Centre from Hong Kong Chapter (New Building).*

It is featured with the life-cycle analysis and life-cost evaluation to design this green building. The data shown that it is not only less energy consumption but also provide the healthy and comfortable environment.



*(2) YKK80 Building from Japan Chapter (New Building).*

It is featured with the cool ceiling and lighting arrangement together the low-speed supply air to provide the comfortable environment. The data shown that the energy consumption is quite high efficient in for this project by comparing with other similar building.



*(3) MGM Macau from Macau Chapter (Existing Building).*

It is featured with the achievement of the modification of the existing HVAC system. The results shown that the energy consumption can be dramatic decreased after introduce new concept into the HVAC system.



After the detail review by the reviewing committee in our Region, it comes out the very close score for 3 entries. So, we decided to recommend all these 3 entries to enter the Society-Level Competition.

There are total 43 entries submitted to the Society for the Society final competition. Our 3 entries got the two awards from Society. Japan Chapter got the First Place Winner and Macau Chapter got the Honorable Mention Winner. Congratulations to Japan and Macau Chapters for your hard working.

I would like to encourage each chapter to submit your application for this award in 2017-2018 competition. The deadline for the application is due June 30, 2017. Please send your entry to me by that time.

## CTTC Update

### Dr Bing-Chwen Yang, CTTC RVC

#### RXIII Achievement in the CTTC award (Cont.)

- Chapter Program Star Award

The purpose of this award is to recognize excellence in chapter program endeavors.

There is one application was submitted for this year. Dr Chun-Sing Wong was recommended by the Hong Kong Chapter for his great work and contribution to organize technology related activities in their chapter. It was also endorsed by our Region and recommended to the Society for the final decision.

There is only one nominates that submitted to the Society by Region XIII and during the full CTTC Committee meeting, all the members voted to accept the nomination. Congratulations to **Dr Chun-Sing Wong and Hong Kong Chapter** and thanks for your hard working as usual and always.

#### Distinguished Lecturer Program

The purpose of the program is to provide ASHRAE Chapters with lecturers equipped to speak on relevant subjects of interest to ASHRAE members and guests without incurring huge costs. For the 2016-17 Society Year, 195 visits are allocated to the 14 ASHRAE Regions. We have been assigned 12 allocations for the year of 2016~2017 and all of them were organized up to now. I would like to mention that the “Event Summary Critique Form” should be completed and returned to the Society and copy to me as soon as the event is finished.

I would like to thanks all the CTTC chairs’ efforts to organize all of programs.

#### Webcast announcement

Topic: Take Control - Using Analytics to Drive Building Performance

Time: April 20, 2017 1:00 – 4:00 PM EDT

This webcast will feature industry experts who will define the importance of, and why we should strive for, better building operations through improved controls and analytics. Viewers will be able to describe key elements of controls and analytics for building operations, and identify steps required to deploy analytics in building projects, including commissioning. This program will quantify how applying best practice controls improve building performance, and will recognize the value of analytics in building operations to achieve a reduced cost and increased performance.

The detail information for this webcast can be found in the following website:

<https://www.ashrae.org/membership--conferences/webcasts>



## Building Energy Quotient (bEQ) in RXIII

CS Wong

ASHRAE has a new Building Energy Quotient (bEQ) Energy Labeling Program that officially launched its “In Operation” program in 2012, and launched its “As Designed” rating in 2013. For leaning more information on bEQ, please visit [www.buildingenergyquotient.org](http://www.buildingenergyquotient.org). To promote bEQ in Hong Kong, At the end of July 2015, *Mr. Ross D. Montgomery*, Chair of bEQ Committee was invited to provide the introduction of ASHRAE “bEQ” Building Labeling Program and ASHRAE certification programs to Hong Kong Green Building Council (HKGBC), Electrical and Mechanical Services Department (EMSD) as well as our members. Our Sustainability Co-Chair of 2015-16, *Mr. Kelvin Chan* also provided case sharing of assessment procedure for First bEQ buildings in Hong Kong.



During the visit, *Mr. Ross D. Montgomery* also acted as ASHRAE Certified Building Energy Assessment Professional to carry out bEQ assessment for Jockey Club Environmental Building in Kowloon Tong on 30 August 2015. After the assessment, this building is achieved as “**Efficient**” in operation.



Up to the records obtained from ASHRAE headquarter at the end of 2016, there are 6 buildings achieved bEQ certificates (In Operation) in Region XIII. The details of bEQ buildings in Region XIII are shown in the following table.

Building Type	Building Sq Ft	City	Country	CZ	Rating	Award	Date Awarded
Office	91,041	Makati City, Metro Manila	Philippines	1A	In Operation	Award - C	9/30/14
Office	329,055	Hong Kong	China	2A	In Operation	Award - B	12/31/14
Mixed-Use Office	577,493	Hong Kong	China	2A	In Operation	Award - B	2/18/15
Multiple-Use Building	835,418	Makati City, Metro Manila	Philippines	1A	In Operation	Award - B	5/28/15
Mixed-Use Office	45,036	Hong Kong	China	2A	In Operation	Award - B	8/18/15
Multiple-Use Building	44,158	Singapore	Singapore	1A	In Operation	Award - A-	12/31/16



## ASHRAE Professional Certification Program in RXIII

CS Wong

ASHRAE certification programs were founded to meet industry need as identified through market research and today provides value to many important stakeholders. Developed by subject matter experts, including those recruited from allied professional organizations, ASHRAE certification programs benchmark with the ANSI/ISO accreditation standards for personnel certification programs to help ensure quality.



For the past 100+ years ASHRAE has worked hard to earn and maintain a worldwide reputation for being the leader in HVAC&R design.

ASHRAE certification programs serve to reinforce that reputation. Earning a certification is ASHRAE's acknowledge that the person understand the relevant body of knowledge and meet educational and experience requirements. There are six ASHRAE certification programs which are:

- Building Energy Assessment Professional (BEAP) Certification
- Building Energy Modeling Professional (BEMP) Certification
- Commissioning Process Management Professional (CPMP) Certification
- Healthcare Facility Design Professional (HFDP) Certification
- High-Performance Building Design Professional (HBDP) Certification
- Operations and Performance Management Professional (OPMP) Certification

Each ASHRAE certification program has its own eligibility criteria that consist of combinations of education and experience in the HVAC&R industry. To learn more, please visit

<https://www.ashrae.org/education--certification/certification>.

Up to the records obtained from the website of ASHRAE headquarter at the end of 2016, we have 44 ASHRAE Certified Professionals in Region XIII. The details of ASHRAE Certified Professionals in Region XIII are shown in the following table.

Title	Singapore	Hong Kong	Malaysia	Taiwan	Thailand	Indonesia	South Korea	China	TOTAL
Building Energy Assessment Professional (BEAP)	-	13	-	-	-	1	1	-	15
Building Energy Modeling Professional (BEMP)	-	4	-	1	2	-	2	4	13
Commissioning Process Management Professional (CPMP)	2	-	1	2	-	1	2	1	9
Healthcare Facility Design Professional (HFDP)	-	-	-	-	1	1	-	-	2
High-Performance Building Design Professional (HBDP)	-	2	-	-	1	-	-	1	4
Operations and Performance Management Professional (OPMP)	-	1	-	-	-	-	-	-	1

# ASHRAE Professional Certification Program in RXIII

CS Wong

## Mentoring Scheme on “ASHRAE Professional Certification Programs” organized by HK Chapter

For promoting the ASHRAE Certified Professionals, ASHRAE Hong Kong Chapter set up the task force which had firstly launched a Mentoring Scheme on “ASHRAE Professional Certification Programs” between January and March 2016 for members who were interested in being ASHRAE Certified Professionals. In this scheme, experienced mentors were arranged to advise and supervise the interested members to achieve their certified professionals via detailed guidance from exam registration, arrangement of computer/pencil exams, etc.



ASHRAE Headquarter also reported the Mentoring Scheme hosted by Hong Kong Chapter via eSociety of September 2016

eSociety 2016-09-14 | ashrae.org



Resources & Publications Standards, Research & Technology Education & Certification Government Affairs Society Groups Membership

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Other Society News

Proposed Standard For Energy Audits Open For Public Comment  
 Standard To Proceed  
 Unity in Rating Systems  
 Open For Public Comment

Chapter, Member News



Posing at the 32nd Anniversary Dinner for the Hong Kong Chapter are CS Wong (2016-16 chapter president), Kelvin Chan (BEMP mentor), Thomas Chan (BEAP mentor), Jacky Ng (BEAP mentor), Cindy Pun (BEMP mentor), Sam Hui (BEMP mentor), Vincent Fung (member of chapter Board of Governors), Mark Lam (BEAP mentor) and Heboon Choi (BEMP mentor)

**Hong Kong Chapter Hosts Certification Mentoring Program**  
 The Hong Kong Chapter recently launched a mentoring program to help mentees achieve ASHRAE certification. Chapter mentors headed study group sessions and encouraged mentees to take certification practice exams. The program culminated with an onsite exam administration wherein mentees achieved ASHRAE certification as Building Energy Assessment Professionals (BEAP) and/or Building Energy Modeling Professionals (BEMP).

<https://www.ashrae.org/resources--publications/periodicals/newsletters/esociety/esociety-2016-09-14>

## Update of CRC 2017 in Singapore

### Mr Cheng Wee Leong, CRC 2017 Chair

The dates for the 20th CRC 2017 in Singapore is scheduled to be held on 25-26 August 2017.

The venue is changed from the previous proposed Grand Copthorne Waterfront Hotel to the **Hilton Singapore Hotel** as our reservation was overlooked by the Hotel staff from Grand Copthorne Waterfront.

The CRC team consists of the following members:

- Advisors – Leiw K C, Patrick Ho
- Secretariat – Elta Tan
- Spouse Program – Rosaline Leong
- Treasurer – Albert Sin
- Technical Seminar – Ng Eng Hong, Chen S I
- Welcome & Hospitality – Tan G S, Sunny Tan, Hoyce Ho
- Facilities Coordinators – Francis Lee, Thomas Anthony, Peter Chung, Henry Yeo
- Exhibition Booths/Sponsors Package – Matthew Ngan, Florence Chan
- Students Activities - Rajesh

The team members meets regularly to work together towards ensuring a smooth and successful CRC.

We look forward to seeing all the Delegates, Alternates, participants, supporters and friends from our Region XIII at the CRC in Singapore.