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**Vickie Grant**  
Manager  
Region Activities

[vgrant@ashrae.org](mailto:vgrant@ashrae.org)

August 21, 2017

Dear 2017 CRC Fall Delegates and Alternates of Region-At-Large:

We hope that your chapter had a successful, prosperous and productive year! The Chapters Regional Conference (CRC) meeting for Region-At-Large is scheduled September 22-24, 2017 in Sharm El Sheikh, Egypt. The official Society officers attending your CRC will be Bjarne W. Olesen, Sheila J. Hayter and Michael C.A. Schwedler. Kim Mitchell will be the official staff visitor from ASHRAE Headquarters. 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)

**Honors and Awards – ([www.ashrae.org/honors](http://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](http://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 American Express Travel account: 1.800.253.1829 (see Appendix D for authorized positions)
- Transportation by private vehicle will be reimbursed the *lesser* of the current US Internal Revenue Service rate of 53.5 cents per mile or the 14-day advance coach airfare

If you have any questions or if I can provide further assistance, please let me know. Thank you for your continued support of ASHRAE activities and have a wonderful, fun and successful CRC!

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

- Copy of minutes from the 2016 meeting
- List of Delegates, Alternates and Regional Officers
- Instructions to Delegates and Alternates
- Instructions for CRC Summary Report
- ASHRAE CRC Summary Report
- Guidelines for Motions
- Honors and Awards listing
- Worksheet for Executive Session
- List of ASHRAE Standing Committees
- Job Descriptions for the DRC & RMCR Positions

Best regards,

A handwritten signature in black ink that reads "Vickie Grant".

Vickie Grant  
Region Activities Manager



# ASHRAE

**2016 Region-at-Large Chapter Regional Conference,  
Bangkok, Thailand  
Ballroom A, Centara Grand Ladprao, Bangkok**

## BUSINESS MEETING AGENDA

Sunday 1<sup>st</sup> October, 2016 02:00 p.m. to 06:00 p.m.  
Sunday 2<sup>nd</sup> October, 2016, 10:00 a.m. to 12:00 Noon & 2:00 p.m. to 05:00 p.m.

2:00 to 2:20 p.m.

- |    |                                      |                          |
|----|--------------------------------------|--------------------------|
| 1. | <b>Call to Order/Opening Remarks</b> | <b>Farooq Mehboob</b>    |
| 2. | <b>Introduction of Attendees</b>     | <b>Self introduction</b> |

Farooq Mehboob Tim Wentz Bjarne Olesen Sheila Hayter Dr. Walid Chakroun Pat Graef Ginger Scoggins Edward Tsui Jeff Littleton David Underwood Ron Jarnagin Richard Rooley Pankaj Dharkar Dr. Ahmed Alaa Nohad Boudani Khalid Al Mulhim Ken Goodman Mohammad Abbas Sajid Naseer Ahmad Mohammad Tassi Michel Hayek Mahmoud Fouad Maged Fouad Hashem Irene Reichert Bassel Anbari Branko Todorovich Adeeba Mehboob Nivedita Jadhav Ioanna Deligkiozi Tim Dwyer Samir Traboulsi Adhok Virmani Steve Comstock Patricia Adelman Chapter Delegate & Alternates	DRC RAL Society President Society President Elect Society Treasurer Society Vide President Society Vide President Society Vide President Society Vide President Society Exec. Vice President Presidential Member / Adhoc Chair Presidential Member / Adhoc Chair Presidential Member / Adhoc Chair General Chair CRC Assistant Regional Chair Region Members Council Representative SRC – A SRC – B SRC – C RVC MP RVC CTTC RVC SA RVC RP RVC GGAC Nominating Member Nominating Alternate Regional Refrigeration Chair Regional ECC Chair & Webmaster Regional – Treasurer Regional YEA Chair Regional Historian Past DRC RAL Past DRC / Adhoc Chair Manager Publication ASHRAE Staff Research Promotion
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|----|--|--------------------|
| 3. | Introduction of Members/Visitors in the audience | Self Introductions |
| 4. | Introduction of Platinum Sponsor for CRC         | Farooq Mehboob     |

2:20 to 3:30 p.m.

- |     |  |                                   |
|-----|--|-----------------------------------|
| 5.  | Review of Agenda                               | Farooq Mehboob                    |
| 6.  | Appointment of Parliamentarian                 | Samir Traboulsi                   |
| 7.  | Introduction of Recording Secretary            | Adeeba Mehboob                    |
| 8.  | Approval of 2015 CRC Minutes, Istanbul, Turkey | Farooq Mehboob                    |
| 9.  | Address from General Chair                     | Pankaj Dharkar                    |
| 10. | Address from Society President                 | Tim Wentz                         |
| 11. | Address from Society Vice President            | Walid Chakroun                    |
| 12. | RAL Events and Conferences Announcements       | Chapters                          |
| 13. | Presentation Report from Ashrae Headquarters   | Steve Comstock / Patricia Adelman |

**BREAK** Approximately 03:30 – 04:00 p.m.

04:00 to 06:00 p.m.

**14. Adhoc Chairs Presentation / Address**

Sub Region A  
Sub Region B  
Sub Region C

Richard Rooley  
David Underwood  
Ron Jarnagin

**15. Regional Reports (SY 2015-16) –  
*Only highlights to be presented.***

Sub Region (A) Report  
Sub Region (B) Report  
Sub Region (C) Report

Khalid Al Mulhim  
Ken Goodman  
Mohammad Abbas Sajid

**16. RVCs Reports (SY 2015-16)**

RVC CTTC  
RVC MP  
RVC SA  
RVC GGAC  
RVC RP

Mohammad Tassi  
Naseer Ahmed  
Michel Hayek  
Maged Fouad Hashem  
Mahmoud Fouad

**17. Regional Reports (SY 2015-16)**

Regional Treasurer  
Webmaster Report  
Regional Coordinator YEA Chair  
Nominating Committee  
Historian  
Regional Refrigeration Report

Nivedita Jadhav  
Adeeba Mehboob  
Ionna Deligkiozi  
Irene Reichert  
Tim Dwyer  
Branko Todorovich

**18. Special Announcements****ADJOURN 6:00 p.m.**

RECONVENE on Sunday 2<sup>nd</sup> October, 2016 10.30 a.m. to 12:00 Noon

**19. Roll Call – Chapters Farooq Mehboob****20. Motions & Resolutions Debate and Voting****BREAK – Awards Lunch 12:00 Noon – 02:00 p.m.****21. Chapter Reports –**

*Only highlights to be presented in a table format by SRC. Detailed discussion in Sub Region Meeting.  
Section report to be covered by the concerned chapter or Sub Regional Chair in Sub Region Meeting.*

1. BAHRAIN, MANAMA
2. BANGALORE, INDIA
3. BANGLADESH
4. CAIRO, EGYPT
5. CENTRAL PAKISTAN, LAHORE
6. CHENNAI,INDIA
7. DANUBE
8. DECCAN, INDIA
9. FALCON, DUBAI
10. HELLENIC, ATHENS
11. INDIA, NEW DELHI
12. KUWAIT, KUWAIT CITY
13. LEBANESE, BEIRUT
14. MUMBAI, INDIA
15. NIGERIA, LAGOS
16. NORTHERN PAKISTAN, ISLAMABAD
17. PUNE, INDIA
18. PAKISTAN, KARACHI
19. PORTUGAL, LISBON
20. QATAR ORYX, DOHA
21. SAUDI ARABIA, DHAHRAN
22. SRI LANKAN, COLOMBO
23. SPAIN, MADRID
24. TURKEY
25. WESTERN INDIA, AHMEDABAD

**Sections**

1. East India – Sponsor India Chapter
2. Jaipur – Sponsor India Chapter
3. Cyprus – Sponsor Region at Large
4. Oman – Sponsor Falcon Chapter
5. UK-Midlands- Sponsor Sub Region B
6. Faisalabad- Sponsor Central Pakistan Chapter
7. Ireland – Sponsor Region at Large
8. Amarvathi – Sponsor ASHRAE Deccan Chapter

- |  |                       |
|--|-----------------------|
| <b>22. Women in RAL</b>                    | <b>Farooq Mehboob</b> |
| <b>23. Presentation Report on CRC 2017</b> | <b>Ashok Virmani</b>  |
| <b>24. Any other Business</b>              | <b>Farooq Mehboob</b> |
| <b>25. Adjournment</b>                     | <b>Farooq Mehboob</b> |



**MINUTES OF BUSINESS MEETING – BANGKOK CRC 2016**  
 (Minuted by Adeeba Mehboob and reviewed by Farooq Mehboob)  
 October 1<sup>st</sup> and 2<sup>nd</sup> 2016  
 Centara Grand Ladprao

**1. CALL TO ORDER / OPENING REMARKS – Farooq Mehboob**

The 15<sup>th</sup> RAL CRC was called to order at 2:00 pm on October 1<sup>st</sup>, 2016 by Farooq Mehboob (FM), DRC for RAL, acting as Chair. He welcomed all the Members and Regional officers, and thanked them all for their presence and continuous support of RAL.

**2. & 3. INTRODUCTION OF ATTENDEES AND VISTORS AND ATTENDEES – All**

FM introduced himself and thereafter requested all those present including Delegates, Alternates, Officials and Dignitaries to introduce themselves.

**Attendance  
Attachment A  
Page 1 of 13**

**4. REVIEW OF AGENDA – Farooq Mehboob**

The Agenda was unanimously accepted without changes or amendments.

**5. INTRODUCTION OF TOP SPONSOR FOR CRC – Zeki Poyraz**

Farooq acknowledged the Platinum sponsor of the CRC in Bangkok, Mr. Zeki Poyraz on behalf of ISIB, turkey. He expressed his gratitude to them for enabling the hosting of a very successful RAL CRC in Bangkok.

**6. APPOINTMENT OF PARLIAMENTARIAN – Samir Traboulsi**

Farooq invited to appoint Samir Traboulsi as the Parliamentarian for the CRC 2016, whom he cited as being a proven successful parliamentraian over the years. Farooq appreciated his continuous and valuable services to RAL since its inception. Samir was pleased to accept the appointment.

**7. INTRODUCTION OF RECORDING SECRETARY – Adeeba Mehboob**

Farooq invited Adeeba Mehboob to be the Recording Secretary for the meeting which Adeeba gladly accepted.

**8. APPROVAL OF MINUTES - CRC 2015 ISTANBUL**

Farooq requested a motion for approval of the minutes of the RAL CRC 2015 in Istanbul.

The motion was moved by Sajid Abbas and seconded by Mahmoud Fouad.

Motion was approved unanimously.

## 9. ADDRESS FROM GENERAL CHAIR – Pankaj Dharkar

Farooq gave special thanks to the CRC Committee for having worked tirelessly over 18 months to make the Joint CRC with Region 13 in Bangkok a success. He then requested Pankaj Dharkar, The General Chair of the CRC 2016 to say a few words. Pankaj expressed his and the CRC Committee's great pleasure in welcoming all the guests and the ASHRAE Board of Directors to Bangkok. He expressed his deepest thanks to the CRC Committee for their immense efforts in enabling a successful CRC and hoped everyone would enjoy themselves during the course of the conference.

## 10. ADDRESS FROM SOCIETY PRESIDENT – Tim Wentz

President Tim Wentz addressed the delegates present defining them to be the 'Future of ASHRAE'. He elaborated on the theme of his presidency, wherein he believes that ASHRAE should adapt and drive towards becoming more global. In this, he sees RAL as the beacon in the movement towards a more global perspective, in what ASHRAE as a society can be and what it can do for the world. Tim sincerely thanked everyone in the Region for their continued and invaluable support.

Farooq thanked Tim for his kind words of support and expressed how much everyone in RAL value Tim's leadership.

## 11. ADDRESS FROM SOCIETY VICE-PRESIDENT – Walid Chakroun

Farooq introduced Vice President Walid Chakroun as one of the pioneers of RAL and as a dedicated ASHRAE Member who has helped every region. He added RAL was proud to have him as part of the Society Excom. Walid thanked Farooq and said he appreciated RAL and the great work they do.

He proceeded to give the Society VP Report which he said was essentially 'Great news'. The report shows RAL has had the largest gain with 2 new chapters and 13 new student branches.

The 'Connect a Colleague', new initiative, designed to invite potential ASHRAE members, has resulted in 100 new members.

Walid said that it is important that ASHRAE Volunteers have their employer's support and the ASHRAE's 'Thank Employer' portfolio should be taken back by every Chapter President.

The RP funds raised had a 2% increase, however Walid noted that RAL and R13 can do much more to see this amount increase. He requested for RP Chairs to campaign in these regions.

The report showed Scholarships worth \$152,000 provided to students and 32 Society scholarships and 11 Chapters awarded. He also encouraged the idea of the RAL Chapter Scholarship.

Walid spoke about ASHRAE's Strategic Plan which has a 5 year globalization plan, but said it needed the help and input of every member to achieve this goal and make the plan actionable.

He highlighted the Flammable Refrigeration Research where ASHRAE has a \$5.7 million initiative. He acknowledged the support of Bassam Elasaad, with money contributions from AHRI. Walid spoke about the ASHRAE and UNEP collaboration which started in Sub Region A but later became more involved with Society and where they are working very closely with Society now, helping ASHRAE becoming more global. Several Refrigeration courses have and are being developed by stakeholders and practitioners. He announced that a course on Refrigeration practices was being held in Bangkok. Anyone wishing to contribute was requested to please contact him.

Walid urged the support of Chapters to help getting the ASHRAE's Building Rating System, the BEQ applied.

He informed everyone that the consolidation between IAQA and ASHRAE allowed for discounted members between the two organizations. He added that IAQA and ASHRAE Chapters were encouraged to hold joint meetings and that the IAQA Staff now based in Atlanta worked very closely with ASHRAE Staff in Atlanta. The merger aims to benefit members with new publications and standards.

Walid also pressed upon the need to encourage ASHRAE members in obtaining Certification in the 6 programs that ASHRAE are currently offering and noted that there were very few members certified from RAL. He requested RAL members to get the certification and informed them that the exam time was extended for non English speaking members.

Walid informed about the Portal for the ASHRAE handbooks wherein a member can share certain files and work with them. He also reported that ASHRAE had 2 new HVAC courses, level 1 and 2 which were quite successful thus far.

Regarding GGAC, he stated that a lot more could be done by the committees especially in having ASHRAE Standards implemented. He hoped for more collaborations outside North America.

He appreciated the great effort of ASHRAE and RAL to hold a successful Joint Conference and the first International Board meeting outside the United States.

Finally he invited all those present to spare a moment and think about what ASHRAE being global meant to them, and hand in their responses at the end of meeting. This he added would be passed on to the Planning Meeting enabling them to gain a better understanding of the members' visions of a Global ASHRAE.

Farooq thanked Walid for the very detailed and informative report.

Bassam Elasaad requested to speak a few words. Representing AHRI, he thanked everyone for successful CRC. He highlighted that AHRI and ASHRAE were in close collaboration and wished to reinforce that, adding that he had attended the Beirut conference from AHRI. His message was that there is yet a lot of room for development on the regulations side, especially in RAL and Sub Region A where there is a need for all chapters to get adapted to the ASHRAE Standards. He cited the Kuwait 90.1 and 90.2 ASHRAE Standards as a great success and hoped more chapters and regions would follow suit.

## 12. RAL EVENTS AND CONFERENCE ANNOUNCEMENTS – Chapters

Farooq permitted all the chapters who wished to announce their Events and Conferences to take the floor. He requested that all this information be sent to Adeeba Mehboob, RAL Webmaster, who was **ACTIONED** to include the announcements into the RAL Website and newsletter, including YEA Events and Leadership Program announcements as specifically requested by Ionna Deligkiozi.

Farooq further requested all RAL members for as much participation in the Regional Events and Conferences in order to strengthen the relationships and technical resources of the region.

The host chapters invited everyone to attend their particular events.

Hasan Sultan announced the

- **“Second International Conference on Energy and Indoor Environment for Hot Climates”**  
**February 26 - 27, 2017**  
**Doha, Qatar**

He said there were 48 abstracts and a couple of keynote speakers. He added that this was the biggest ASHRAE conference outside the United States. Furthermore, there is ASHRAE training on the 28<sup>th</sup>, 1<sup>st</sup> and 2<sup>nd</sup> of March, 2017.

He announced that the Qatar Oryx Chapter would recognize and provide incentive to the region by awarding the two chapters in RAL with the highest attendees with incentive and awards. He stressed that this event was important for the climate and would enable ASHRAE to set standards for the hot climate areas.

Farooq requested Hasan to send the flyer to Adeeba to put it up on the website. Hasan informed everyone of the ASHRAE Oryx mobile app that would also have this information and allow registration through it.

Dimitris Charalambopoulos announced and invited everyone to the dual conference

- **5th International Conference "ENERGY in BUILDINGS 2016"**
- **1st International Conference "ENERGY in TRANSPORTATION 2016"**  
**November 12, 2016**  
**ATHINAIS CULTURAL CENTRE Athens - Hellas**

He said that this was a new International conference on Environment and Energy. He spoke about the conference on Green Transportation that the Hellenic Chapter successfully organized in collaboration with the Hellenic navy, this year in June, with the attendance of then President David Underwood. He highlighted that this was a new industry and could expand scope of society. The conference had 50 paper submissions and 15 keynote speakers and workshops.

He added that the Hellenic Chapter would try to webcast the seminar, but would definitely upload it on the Hellenic Chapter Website and possibly the RAL site too.

The Indian Chapter announced the

- **ACREX 2017**  
**Feb 23<sup>rd</sup> – 24<sup>th</sup> 2017**  
**Greater Noida, Delhi**

It was informed that the ACREX was now the largest conference in Asia and the 3<sup>rd</sup> largest in the world with over 50,000 visitors from 25 countries. Turkey is a partner country of this conference.



Ashish Rakheja elaborated that the conference was put together with the effort of 5 Societies including plumbing, fire, façade, glass and HVAC into a single show. The participation of the Board would be very encouraging he noted.

Dr. Mahmoud Fouad on behalf of the Cairo Chapter invited everyone to

- **2nd Annual HVAC Egypt Conference**  
**November 7<sup>th</sup> – 8<sup>th</sup> 2016**  
**Cairo Egypt**

The HVAC Summit, in continuation as a series from last year, he said, will be on Energy and IAQ with a lot of regional and international speakers present. Details are available on the Website of the Cairo chapter.

Riaz Baig from the Northern Pakistan Chapter informed those present that the Pakistan Conference had been held for 23 years with the upcoming event planned to be held in Lahore in March. Information is available on [phvacr.org.pk](http://phvacr.org.pk).

- **24<sup>th</sup> Pakistan HVACR Society Expo and Conference**  
**March 30<sup>th</sup>, 31<sup>st</sup> and April 1<sup>st</sup>**  
**Lahore Expo, Pakistan**

Dr Alaa announced the ASHRAE HVAC courses from the ALI, being held in the UAE.

- **HVAC design training level 2**  
**9th – 10th November 2016**
- **Advantage of Demand Control Ventilation for energy saving**  
**14th December 2016**
- **Complying with ASHRAE Standard 62.1, 2013**  
**14th Feb 2017**
- **Commercial Building energy Audit**  
**7th March 2017**

Ashish Rakheja announced the

- **2<sup>nd</sup> Developing Economies Conference,**  
**November 2017**  
**Delhi, India**

This is CEC approved. The call for papers would be made soon he said.

The Chennai Chapter announced and invited for

- **RefCon 2016**  
**Nov 11<sup>th</sup> - 12<sup>th</sup> 2016**  
**Chennai, India**

The conference focuses on Industrial and Commercial Refrigeration and Cold Storage Systems.

Branislav Todorovic announced the

- **47th International Congress and Exhibition on HVAC**  
**30<sup>th</sup> November to 2<sup>nd</sup> December 2016**  
**Belgrade, Serbia**

He clarified that the conference did not have a registration fee for those presenting in the conference.

Mohammad Tassi notified everyone about his new MBO as RVC CTTC, to support the conferences of the Chapters by allocating DL's for these locations. He requested organizing chapters to let him know before allocating DL's.

November 16<sup>th</sup>, 2017 Banglaore. GRK

Piyasiri Kalubowila, from the Sri Lanka Chapter invited everyone including the President and VP for a three day conference on the 15th anniversary of the ASHRAE Sri Lankan Chapter.

The Pune chapter announced their 7<sup>th</sup> Annual Conference.

Akaash Patel announced the 10<sup>th</sup> Annual Conference in Ahmedabad this year for Health care in the hospital sector expecting to have between 250-300 participants.

Abbas Sajid announced and requested all to attend The ASHRAE Bangladesh Chapters first Conference.

- **Data Center Technologies Summit and Green Data Center Conference Location December 2<sup>nd</sup> and 3<sup>rd</sup> 2016 KIB Complex, Farmgate, Dhaka, Bangladesh.**

### 13. PRESENTATION REPORT FROM ASHRAE HEADQUARTERS – Steve Comstock

Farooq requested Steve Comstock to share his report with the Delegates present.

Steve presented his report on the Statistics and Information from ASHRAE Headquarters. He impressed upon the fact that all publications were from volunteers who contributed 8000 pages that are annually published. The ASHRAE business was therefore to nurture the volunteers.

The ASHRAE library has over a million users with 200,000 titles and access to alliance titles.

He also requested Chapters to reserve ASHRAE Training offered by ALI for their chapters.

Steve spoke about the ASHRAE E-learning centre and the improvements to the education portal that have been made.

He reminded and reassured the members that ASHRAE Staff were always available to help.

### 14. ADHOC CHAIRS REPORTS

#### ADHOC SUB REGION A REPORT

Farooq requested Richard Rooley to present his report of the Adhoc Committee for Sub Region A.

Richard gave an overview of the background for the need and work of the Adhoc Committee. He reminded that in 2013-2014, there was great concern in the Region At Large which was becoming an extremely large region. This was causing difficulty in the processes and management of RAL. There was a perceived imbalance of representation among Sub Regions causing significant concern. A Strategic plan report for the region was developed to see how RAL could go forward with this. Richard was the chair of the RAL Strategic Planning Adhoc committee. As part of that committee the Chapters were surveyed with questions that were also generated from Chapter and grassroot member feedback. The responses were electronically received and a report formulated and shared with the Region during the last CRC. There was an unanimous conclusion for balance of elected representation of the 3 Sub Regions and strengthen them by appointing Sub Region Vice Chairs known as Assistant Regional Vice Chairs, ARVCs. The

management was thought to be strengthened by 15 ARVCs. Instead of one Business meeting of the Region during the CRC, each Sub region would meet separately and streamline the information being tabled at the ain Regional Business Meeting.

Richard thereafter proceeded to explain his current Adhocs report whose objective is to look at the region of Africa in Sub Region A and its relationship to the rest of the Middle East. He pointed out that Africa has problems. North Africa, which he described as above the Sahara is looked after by Egypt, by the Cairo chapter, which is a very strong ASHRAE Chapter and has a dominant HVACR society. It has good relationships with the the neighbouring countries' societies and it is growing strongly. ASHRAE has to ensure however that it continues to grow along with its relationship to ASHRAE Nigeria whchi has over 100 members. The original charter had responsibility for West Africa, but due to some turmoil with the government of Nigera, it is developing more strongly with its kindred societies. There is a great interest in the area and the adhoc is reviewing their arrangement which must ensure that they are looked after very carefully. It will ltake a little longer to establish them as they are weak but are growing.

South Africa have 100 ASHRAE members divided into the East coast of Johannesburg and the West coast. South Africa has a very strong associate society SAIRAC, who look after training in South Arfica and arrange regular meetings. There was an attempt 3-4 yrs ago to see if an ASHRAE chapter could be formed but that didn't happen. It may take some time to push for a Chapter but understanding how to develop a better relationship with SAIRAC can develop SAIRAC tip satisfactorily.

The Relationship this region has with other sub regions is still work in progress. Richard expects that over the next year a clearer picture will develop of how the Sub Region A, the Middle East and Africa relates.

Samir Traboulsi questioned what the rationale was for wanting to remove Africa from Sub Region A. Richard answered that this question had been put forward to Africa who wish to stay with them. However, South Africa was not sure yet. Richard clarified that there was still no proposal to separate Africa but there was reason to look at it vey carefully since there are many countries spread over a large continent, but that they could still move forward. Elkader queried what the position of East Africa was. Richard replied that Egypt looks down on East Africa and the committee was looking for evidence. Dr. Maged Fouad asked what the possibility of having East Africa under Egypt was. Richard clarified that it was inextricably small since they did not have any associate societies even though there are societies there. He assured that the committee was gathering information and would have more statistics by Januray. Farooq commented that Dr. Mageds point was relevant. The Cairo Chapter he said can look at the development and cater to the need of members in East Africa. Sub Region A members can opt to be a member of that chapter if they so choose. He requested to develop a plan of action. Dr. Mahmoud further added that the fact that the Construction industry is dominated by Egypt can be utilized in order to increase membership and start Sections. This he felt would most likely come out from research. Richard said he was aware of how powerful Egypt is in Africa, and that many memebrs in RAL, even if they don't live there they are members of that Chapter. He said the committee was talking to Egypt and Nigeria to see how the small populations around it could be catered. He noted that this was a very fertile area to look at.

Richard requested Adeeba Mehboob to put the RAL Strategic Plan report on the RAL website soon.

## **ADHOC SUB REGION B REPORT**

David Underwood was given the floor to provide an update on the work of his Adhoc Committee. He first clarified the Committee's interpretation of their objective which he defined as trying to find a means to better serve the European members which may over time become a separate region.

David informed everyone that the committee had their first meeting by conference call on the 1<sup>st</sup> Sept 1, 2016. The committee is using 4 documents for the basis of their work that are the Adhoc Report on Grassroots and National Associations, the RAL Strategic Report, the MCI Report and the Developing Economies Report. He added that it was necessary to develop a questionnaire for circulation to every individual member in Sub Region B since most are Non Chapter members. This would enable them to understand the path to undertake. The committee intends to send these out by the 14<sup>th</sup> October and review the results on the 11<sup>th</sup> November 2016 offering a clearer picture and report by the Las Vegas Meeting.

David thanked everyone for their efforts thus far.

## **ADHOC OPERATING GUIDELINE AND IMPACT OF ADHOC ON RAL**

Ron Jarnagin admitted that the work of this committee was running behind schedule. Ron stated that the Indian chapter qualified to becoming a region even though there has been no discussion on this yet. Should that happen RAL will have remaining chapters which could be challenged. Ron reiterated that the work of this committee was to focus how RAL would be impacted should any one of the Sub Regions pull away from the Region and the potential areas of concern because of it.

He urged everyone to come forward in meetings like the Sub Regional Meetings and voice their opinions and concerns, pointing out the pitfalls and benefits of structural changes in the Region. He added that the decision would have a lot of pluses and minuses but that it was crucial to pay attention to every Sub Region and their impact on each other. He acknowledged that the Sub Regions possibly did not have the infrastructure, internal or external, nor well operating Chapter officers that can lead and manage their offices. However, he thinks that it is not necessary for all chapters to have that. He said the committee would focus on the subject. He feels that the New ARVCs can form a second line of officers and suggested that they be tracked for their knowledge in order to nurture them into potential new leaders. His opinion was that a 3 year ARVC cycle would allow for this evaluation and growth to take place.

He then invited questions and comments. Pankaj Dharkar corrected Ron on his statement that India could qualify to becoming a Region which he said was only possible with Pakistan, Bangladesh and Sri Lanka together. Pankaj stated that 3 years was a good amount of time after which a better decision could be made.

Hasan Sultan first thanked the Adhoc Chairs for their work. He then asked them if they could provide a hint on the philosophy of the questionnaires. He requested for the process to be in two stages, with the first questionnaire submitted for review and comments before the second and final questionnaire was drafted. Farooq Mehboob thanked Hasan for raising this question. He pointed out that this same process was adopted by the Strategic plan Committees earlier and requested that the Adhoc chairs do the same. David Underwood agreed and thought this a legitimate and valid comment but highlighted that this was also dependant on the number of people involved. He said this was discussed at the Sub Regional B Meeting also. He pointed out that The Strategic Planning Report was based on feedback from a Chapter level however sending out the questionnaire twice to every member, especially the large number of Non Chapter Members in SRB, would require a much longer timeline. Two or three questionnaire from SRA and SRC. Timeline much longer. Richard Rooley reiterated that the underlying issues are

those that are already in the Strategic Planning report so Chapters were already aware of these issues and could send anything further to committees for consideration in the development and application of the new report and the three questionnaires that will go out from the committees.

Dr. Samir Traboulsi said there was no doubt on the leaderships of the Adhocs, but suggested that the three committees should come together and meet each other and sit in each others meetings so that everyone could move forward together. He reiterated that those present and in the committees are all working on behalf of RAL and together it should control its own destiny.

Ashish Rakheja added that he was at the SRB and SRC Adhoc Meetings where it was clear that SRB is looking at Europe and the possibility of coming out with a Region. He added that political alignments had to be looked at but assured that all 3 Sub Regions would put forward 1 consolidated report. He also felt that a 3 year cycle was important in order for a new and healthy leadership to be realised. He reiterated that the Adhocs needed to see the process in a more holistic manner and on instructions from Farooq are trying to do that with an Interim Report ready for the Las Vegas Meeting 2017.

Farhan Mehboob shared his observations working on the committee, reassuring all that though each of the 3 Sub Regions are different, they are all working to the same goal and are going forward together.

Richard added that the three Chairs did have a separate meeting wherein it was amply clear that they all shared a dominant common intent on how they can serve the ASHRAE members better. He said they all had the experience in asking the appropriate questions to achieve this purpose.

Farooq expressed how deeply grateful he was to the three Presidential members whose wisdom he felt were undoubtedly one of the greatest assets ASHRAE and RAL are privileged to have.

## **15. REGIONAL REPORTS – Sub Regional Chairs**

### **15.1 SUB-REGION A REPORT – Nohad Boudani on behalf of Khalid Al Mulhim**

Khalid was unable to attend the CRC due to visa restrictions but had nominated Nohad Boudani to present his report on the activities and MBO's of Sub Region A.

**SR A Report  
Attachment D  
Page 1 of 6**

The biggest highlight of Sub Region A was the re establishment of the Bahrain Chapter after it had been dormant for over 5 years. Furthermore, the Bahrain Chapter has gathered a strength of 30 students and are looking to form a student branch soon.

It was revealed that serious efforts were underway in creating a Jordanian chapter which has a current membership strength of 21. A parallel track of efforts are being sought to ensure that if a chapter cannot be formed a section be established under the sponsorship of the Lebanese chapter.

Other notable achievements were, the hosting of President Tim Wentz by the Falcon Chapter, Saudi Arabia Membership promotion at its MEP Exhibition, the 6<sup>th</sup> International Conference on Energy Research and Development organized by the Kuwait Chapter and the 2<sup>nd</sup> International Conference on Efficient Building Design : Material and HVAC Equipment Technology in Lebanon.

Mr. Mulhim plans to work closely with Dr. Alaa on establishing a Section or Chapter in Alexandria, Egypt. He aims to encourage the Oman Section in becoming a Chapter and is hopeful that a new Iraq Chapter be formed.

## 15.2 SUB-REGION B REPORT – Ken Goodman

Ken Goodman presented his report on the activities and MBO's of Sub Region B.

He was disappointed to report that the Benelux Section had been dissolved but was happy to report that the Ireland and UK Section had a better success story to share, both of which are looking to be transitioned into Chapters in the next year. Ken was also assisting them in the formation of student branches.

The Ireland Section inaugurated its first board and the members were showing keen interest in organizing several activities which include hosting President Tim Wentz, holding a joint CIBSE ASHRAE event and planning an Annual Event. Similarly the UK Midlands Chapter saw several events successfully organized by the Section as well as many collaborative events held with its many partners. The new President Edward Murphy plans to continue this drive, with events planned for President Tim Wentz's visit and more.

Both sections have Members keen in pursuing ASHRAE Training and Certification.

Ken is assisting in establishing a Chapter in Cyprus.

He has formed an Adhoc to improve member engagement and hopes to address the outcomes of the Adhoc in the upcoming year.

He has facilitated the collaboration between YEA and CIBSE YEN.

Ken has further organized monthly meetings between the Institute of Refrigeration and the UK Section and aims to increase participation in these meetings.

Also on his agenda is the development of an initiative to online stream Technical Events.

## 15.3 SUB-REGION C REPORT – Mohammad Abbas Sajid

Abbas Sajid presented his report on activities and MBO's for Sub Region C.

Important achievements of this Sub Region were the formation and chartering of the Bangladesh Chapter and the establishment of 9 student branches, which is 45% of the total 20 new student branches in the entire Region. He credited Mr. Ather Siddiqui for his tremendous efforts in achieving this many student branches.

Sajid gave an overview and account of his activities as Sub Region Chair C in the past year. This included attending the inauguration of the Bangladesh Chapter, visiting of 5 out of 12 chapters in the Sub region, attending various conference in the Sub Region as well as Society Summer and Winter Meetings. He intends to visit more chapters and conferences and strengthen the cooperation between the ASHRAE Chapters in the Subregion and AASA, the ASHRAE Associate Society Alliances.

**SR B Report  
Attachment E  
Page 1 of 12**

**SR C Report  
Attachment F  
Page 1 of 13**

## 16. RVC REPORTS (2015) – RVCs

### 16.1 RVC CTTC – Mohammad Tassi

Tassi presented his report on the activities and MBO's of the CTTC committee.

He gave an overview of the DL visits made in the past year noting that 52.9% of these visits were multi Chapter visits and which he urged should be increased to 75%. He noted that there was one Non Utilized Visit.

Tassi urged Chapters to utilize the remaining 14 Allocated DL Visits that are available for the year 2016-2017. He highlighted the need to try and have DL Allocations such as to maximize the number of Chapters visited within this DL Allocation.

He went over his objectives as CTTC RVC which notably included

- Initiating an Adhoc Committee for the ASHAE Technical Awards for which RAL has two entries. The adhoc would assess RAL potentials, shortlist the proposed candidates and assist them in filling applications.
- Promoting Regional Programs and Events through a separate committee
- Support RAL Conferences with 3- 5 DL's per year

Tassi looked forward to the assistance of the ARVC's in achieving these goals and objectives.

Lastly he pointed out one of the challenges for a newly appointed RVC was that they were not efficient till after three months of their appointment since they are unaware of their expectations and duties till they receive training at the CRC. He requested for some solution to this.

### 16.2 RVC MEMBERSHIP PROMOTION – Naseer Ahmed

Naseer presented his report on the RAL Membership Numbers. He was proud to report that the current RAL Membership was 4941 members, an increase of 3.44% from last year and exceeding the goal of 2% set during the CRC last year. The Deccan Chapter was the lead contributor to membership seeing a growth of 132.5%, followed by the India, Falcon, Qatar Oryx, Sri Lanka and Chennai Chapters. A big round of applause was given to these chapters.

The concern that Naseer put forward though was the Delinquency. He urged the members to take immediate action to reduce these numbers and requested the Chapter Boards and Society Officers to address this issue too. He suggested a few ways to tackle the problem that include the Chapter MP Chair being actively supported with the assistance of two or three members, more frequent Regional and Society Officer visits to Chapters, more events, lectures and DLs organized at Chapter Level. He also said the MP Chairs were looking at possible ways to attract and involve young engineers through YEA and the SmartStart Program.

**RVC CTTC  
Report  
Attachment G  
Page 1 of 8**

**RVC MP  
Report  
Attachment H  
Page 1 of 11**

### 16.3 RVC STUDENT ACTIVITIES – Michel Hayek

Michel Hayek presented his report on RAL Student Activities, reporting a current number of 1858 Students in 105 RAL Student Branches, with an increase of 20 new branches. Noteworthy were, the highest Student Members in the Pakistan Chapter with 339 Students in 7 branches, and the highest number of Student branches in a Chapter, the North Pakistan Chapter with 16 branches, 12 of which are active. These achievements were marked with a huge round of applause.

Also of significance was the news of the 3<sup>rd</sup> place winner of the Design Competition by Gazi University in Turkey and the winners of the Student Grants.

Michel next pointed out that of the 105 Student Branches, only 50 were active Branches, proposing that if a student branch does not submit a report in 2 yrs then it should be declared inactive and consequently, dissolved. He requested all Student Activities chairs to try and get some of these branches more active. He stated one of his objectives is to start student chapter branches where there are currently none.

He also highlighted the fact that RAL Student branches were not taking opportunity of the scholarship funds which they should be encouraged to try for and avail.

### 16.4 RVC GGAC – Maged Fouad

Maged Fouad presented his report on the activities of the GGAC Committee.

He went over the responsibilities and objectives of the GGAC.

He highlighted the need for Chapters and sections to develop relationships with local chapters of other organizations through joint meetings and networking events and seek opportunities for collaboration. He stressed the need to further engage with policymakers and promote the adoption of ASHRAE Standards and Guidelines into code.

He urged all GGAC Chairs and Chapter Presidents to activate a clear action plan and to sustain all current MOUs, agreements and deals initiated by previous GGACs.

Maged plans to schedule 2 – 4 visits to chapters in the region before the winter meeting. He aims to regularly monitor the progress of chapters, supporting the active chapters in targetting Society Public Policy Priorities and encouraging and directing the passive chapters to do so eventually.

### 16.5 RVC RESEARCH PROMOTION – Dr. Mahmoud Fouad

Dr. Mahmoud Fouad presented his report on the activities of the RP Committee.

Barring an estimable contribution from a few chapters and Sub Region B, he regretted to inform that the RP Contributions from RAL in 2015-2016, as a whole, were meagre, falling short by almost half of the RP goal.

In order to rectify this situation he suggested that Chapters be encouraged to distribute their contributions on a monthly basis with the final three months of the year left for contributions aimed to achieving higher than 120% of the goals. He encouraged Chapter contributions higher than 120% as they would make up for any chapters with lower contributions.

He clarified that the monthly contributions could be done online.

Mahmoud suggested introducing a Regional Awards for Chapters that will follow the suggested

**RVC SA  
Report  
Attachment I  
Page 1 of 10**

**RVC GGAC  
Report  
Attachment J  
Page 1 of 10**

**RAL MP  
Report  
Attachment K  
Page 1 of 10**



RP Contribution Payment pattern and finish their RP involvement early.

He aims to find means to extend support to the Chapters with low RP contributions and hopes that the new RP ARVC's will successfully assist in increasing RP Collections.

Bassel Anbari queried whether Chapters were achieving Full Circle. Dr. Mahmoud replied in the affirmative.

Hassan Sultan commented that the Qatar Oryx Chapter had reduced its RP Contribution because of an economic slow down and a need for reinvestment in better Chapter Performance. He said what may be viewed as a Chapter slow down was in fact a build up of Chapter potential.

## **17. RAL OFFICERS REPORTS (2016)**

### **17.1 REGIONAL COORDINATOR YEA CHAIR – Ioanna Deligkiozi**

Ioanna Deligkiozi presented her report on YEA and their Activities for 2014-2015.

She first went over the organization structure of YEA, recapping the mission of YEA and the responsibilities of the YEA Chapter Chairs.

She was happy to report that YEA had seen a 6% increase in membership to 928 current members, and even though this was short of the 15% that was targetted for, the remaining results of last years objectives more than compensated for this shortfall. 524 YEA members are currently participating in TC's, i.e an increase of 41%, there are 140 YCC Chairs, 21 more than the targetted 119, and the SmartStart Program saw an increase of 20%.

Ioanna went over the upcoming years MBO's which include nominations for the YLI, LeaDRship U and LeaDrs Program. It is also intended to increase the participation of YCCs in the CRCs. She then gave an overview of her work as YRC, and the notable work done by the YCCs as well as the experience of the RAL YEAs at the Conferences.

She requested Chapters to consider contributing their RP Funds to YEA, eligible also as a full circle contribution.

Finally Ioanna gave some recommendations to Chapters that included foremost the assigning of YEA members into YCC positions and encouraging their close working with SA and MP Chairs. She also stressed the importance of YEA members attending the YLI to strengthen the leadership of the future ASHRAE.

### **17.2 REGIONAL RECC WEBMASTER – Adeeba Mehboob**

Adeeba Mehboob began by thanking everyone for their very kind acknowledgement and appreciation of the compilation and editing of the 'History of RAL' book. She thanked Farooq Mehboob for his vision to create this project and credited Tim Dwyer for his great efforts over the many years in gathering documents and photographs, charting the history of every Chapter in the Region, and which proved to be a great resource in the making of this book. She also recognized the Chapter members who helped provide the information included in the book. She did however note that given the short time frame available to publish this book due at the CRC 2016, some errors and mistakes were inevitable, and in this regard she requested that members of the Chapters bring necessary corrections to her attention to enable her to have these implemented for a future edition and more importantly for a revised version be made available online on the RAL website.

**YEA Report  
Attachment L  
Page 1 of 20**

**Webmaster  
Report  
Attachment M  
Page 1 of 10**

Adeeba recapped the recommendation of the RAL Adhoc Strategic Planning Report 2015 to have a quarterly newsletter in RAL to enable better communication within the Region. This was actioned and a Newsletter Committee set up comprising her, the three sub Regional Chairs and the YRC, following which the first Newsletter was published in June 2016 and the second in September 2016. She did however note that a committee of the Chapter Presidents may be more fruitful and efficient. She then urged all chapters to come forward and regularly send her or their Chapter Presidents any news, information and announcements they would like to have included in the RAL Newsletter and Website enabling the timely publishing of a beneficial Newsletter and a regularly updated website.

She then apprised the Delegates of the status of the RAL App, the idea for which was initiated during the CRC last year but which was actioned to her when she took over as ECC Chair at the end of the Society Year 2015-2016. She gave an overview of the possible features of the app and showed two options of the look and functionality of the app. The major challenge is the Membership Data being sought from Society, who citing security and privacy concerns are unwilling to provide this information. RAL however have clarified that they simply require Membership authentication and are attempting to find a solution to this.

Adeeba said she would also look into the possibility of having a Basecamp 3 set up for RAL.

### **17.3 REFRIGERATION – Branislav Todorovic**

Prof. Dr. Branislav Todorovic presented his report on RAL Refrigeration Activities.

He provided an update on the various conferences and events that were held in the region and that covered refrigeration topics in their seminars as well as heat pumps, renewable energy sources topics. He mentioned a few notable speakers from ASHRAE, IIR (International Institute of Refrigeration) and UNEP that have graced these events with their presence and contribution.

He revealed that the Refrigeration & Energy Efficiency Committee of the Serbian HVAC Society, is conducting a regional e-Learning *Star Refrigeration's* e-Learning program on the phase-out of ozone layer depleting and global warming gases (HCFCs and HFCs) in cooperation with the UNEP.

Lastly he announced the upcoming Annual Refrigeration conference in Greece that will be on Refrigeration in mobile units. The conference was on Refrigeration in Ships the previous year.

### **17.4 NOMINATING COMMITTEE – Irene Reichert**

Farooq then requested Irene to present her report as Nominating Committee Delegate and thanked her for her invaluable work that has supported RAL for so many years.

Irene reported the tough schedule that she and Bassel Anbari had nominating the 15 new ARVC positions that the ASHRAE BOD had approved at the ST. Louis Summer Meeting following the recommendation of the RAL Strategic Planning Adhoc Committee. They had less than two months in which to draw up the eligibility criteria that was made after several communications and inputs from Chapter Presidents. The final recommendation by the DRC was done by the end of August in time for the ARVCs to be able to attend the CRC 2016 in Bangkok. She thanked everyone who enabled this process to be achieved.

Irene was also happy to report that the training time for Delegates and Alternates had been increased before the caucus and requested all of them to be well prepared for the upcoming nominations.

**Refrigeration  
Report  
Attachment N  
Page 1 of 11**

**Nom Comm  
Report  
Attachment O  
Page 1 of 1**

## 17.5 REGIONAL TREASURER – Nivedita Jadhav

Nivedita Jadhav presented her report on the financials of RAL for the year 2015-2016.

She first began by giving special acknowledgment to Tracy, Annemarie and Craig for assisting the CRC Committee with the registration and payment process.

The motion to accept the RAL Accounts Report for the Year 2015-2016, was proposed by Dr. Mahmoud Fouad and was seconded by Saleh Zein. The motion was approved unanimously. The Closing Statement revealed that RAL was close to meeting its expense and income targets closing with a \$ 6000 surplus at the the end of the Society Year, short by \$1000 of its goal.

She then put up a table of Current Chapter Dues and requested that all Chapters pay their dues as soon as possible, preferably during the CRC.

Nivedita then revealed the Budget for the New Society Year 2016-2017 which projects a surplus of \$1000 at the end of the year. This is because greater expenses are envisaged in terms of developing the website and app and more officers travels in response to improve communication between Officers and Chapters.

She hopes to better the accounting system in the upcoming year and urged that the Chapter Opportunity Fund be properly utilized.

## 17.6 REGIONAL HISTORIAN - Tim Dwyer

Tim Dwyer was absolutely delighted to present his Historian's report for the Region.

He listed the Chapters that had achieved the minimum PAOE points, 5 chapters, and the 11 that had reached PAR.

He updated everyone on the interviews he had conducted and recorded of the Past DRCs and which are available on the testsecure.co.uk website for viewing. He continues to add historic biographic information of all the DRCs. Simlutaneously, the website continues to be updated for more images and documents relating to CRCs and chapter foundations. It is intended to have this website linked to the RAL Website too. He was pleased to add that almost 50% of the Chapters had active Historical Pages.

Tim proceeded to give a quick run down of his previous years objectives and their completion and success status. Of note was the fact that he has been able to establish working links with 19 of the 25 Chapters. More importantly though was the successful enabling of 8 chapters to progress for the requirements of the Gold Ribbon Award at the last CRC. He has attempted in vain, but continues his efforts, in qualifying Chapters for the Lou Flagg Award. He also endeavors to having a RAL Historical Project published in an ASHRAE publication.

**Treasurer  
Report  
Attachment P  
Page 1 of 10**

**Historians  
Report  
Attachment Q  
Page 1 of 11**

## 18. MOTIONS AND RESOLUTIONS, DEBATE & VOTING – Nohad Boudani

Nohad gave a quick rundown and summary of his RMCR report for 2015-2016 as follows

- There were a total of 34 motions put forward.
- Regional Level Motions 18
- Society Level Motions 16
- 22 of these motions were PASSED
  - 8 Regional Motions PASSED
  - 13 Society Motions
    - 3 Society Motions PASSED
    - 9 Society Motion FAILED
    - 1 Referred to CTTC for Consideration
- 2 motions FAILED
  - 1 Regional Motion
  - 1 Society Motion
- 9 motions were WITHDRAWN
  - 7 Regional Motion
  - 2 Society Motion
- 2 Motions were ACTIONED

**Motions  
Report and  
Summary  
Attachment R  
Page 1 of 20**

Nohad was then given the floor to invite and execute the Chapter motions process.

First, Samir was requested to go over the motion protocols. He informed the members that those eligible for voting included the delegates present, plus the two SRCs present for a total of 23 eligible voters. He clarified that there were two types motions, one for the region and the other for society level which is only taken to the society upon DRC approval. Samir volunteered to count the votes.

### 18.1 ROLL CALL – All

The following Chapters were present:

1. BAHRAIN, MANAMA
2. BANGALORE, INDIA
3. BANGLADESH
4. CAIRO, EGYPT
5. CENTRAL PAKISTAN, LAHORE
6. CHENNAI, INDIA
7. DANUBE
8. DECCAN, INDIA
9. FALCON, DUBAI
10. HELLENIC, ATHENS
11. INDIA, NEW DELHI
12. KUWAIT,
13. LEBANESE, BEIRUT
14. MUMBAI, INDIA
15. NORTHERN PAKISTAN, ISLAMABAD
16. PUNE, INDIA
17. PAKISTAN, KARACHI
18. QATAR ORYX, DOHA
19. SRI LANKAN, COLOMBO
20. SPAIN, MADRID
21. TURKEY

**Attendance  
Refer  
Attachment A  
Page 1 of 3**

## 22. WESTERN INDIA, AHMEDABAD

Chapters absent:

Nigeria, Saudi Arabia, Portugal

SRCs from Region B & C were present. SRC A was absent.

## 18.2 MOTIONS AND RESOLUTIONS, DEBATE & VOTING...CONTINUED – Nohad Boudani

V Krishnan was made parliamentarian for the session after lunch.

## 19. CHAPTER'S REPORTS

Nohad Boudani requested the Chapters who have not yet sent him their reports to send them soon so that they could be put up on the website and the Chapter Summary Sheet updated accordingly. Reports are still awaited from Kuwait, Danube, Portugal, Bahrain, Turkey and Bangladesh.

**Reports  
Attachment S  
Page 1 of 6**

Farooq Mehboob then went over the Chapter Report Summary Sheet which will also be available online on the website.

**Chapter  
Spreadsheet  
Attachment T  
Page 1 of 1**

It was noted that except Chennai, there were no entries for any Chapter for the CTTC Awards. Mohammad Tassi clarified that Krishnan, ARVC CTTC, was looking into encouraging Chapters for qualifying for Chapter CTTC Award and Chapters were requested to assist in the same.

Farooq said he would send Chapters the guideline for the Presidents New Initiative, the Chapter Opportunity Fund'. He promised that any surplus from this CRC would be added to the fund.

Other items noted during the review of the Chapter Summary Report were as follows:

- The Hellenic Chapter reported its balance for the Year 2015-2016 was \$ 53,000.
- Farooq appreciated the work of the Lebanese Chapter and the excellent arrangements for President Tim Wentz's visit.
- Bangalore was appreciated for its great work in carrying out a significant number of Chapter Events, Seminars and Technical Programs.
- Ather Siddiqui from the Northern Pakistan Chapter was given special recognition for his great contribution in establishing the highest number of student branches.
- Hassan Sultan was applauded for keeping the Qatar Oryx Chapter energized.
- The Danube Chapter was recognized for operating successfully despite covering so many countries spread apart.

Farooq requested that Chapters review the Spreadsheet, which was actioned to Adeeba to be put up on the website, and make a comparison of their performance with other Chapters so that they may recognize the areas where they can improve and succeed.

Saleh El Zein requested clarification on the term Chapter Events in the Spreadsheet and whether it covered the chapters' technical events, social events or both? Farooq responded by saying that most chapters had reported their technical meetings but some may have included their board meetings too. This will require a clarification for the next CRC.

Pankaj Dharkar queried if anyone had had any contact with Nigeria and requested that RAL Officers to travel there as they were an otherwise active and successful Chapter. Richard Rooley confirmed that Dr. Essam was planning of attending a Conference in Nigeria and Richard himself was intending to do a DL visit there.

## **20. PRESENTATION REPORT ON CRC 2016 – Ashok Virmani**

Ashok Virmani presented his report on the **CRC 2017**.

He announced that offers for hosting the CRC 2017 were received from the Danube Chapter in Belgrade, Egypt Chapter in Sharm El Sheikh, from the Lebanese Chapter in Beirut, Lebanon and from the Turkish Chapter in Antalya, Turkey.

The Turkish Chapter had offered to host the CRC 2017 in Antalya for between 11-15% less cost than that in Bangkok but Ashok put forward the question of whether RAL could hold it economically cheaper than that. It was also suggested that consideration be given to having Lebanon jointly hold the CRC with Turkey in Antalya. Farooq Mehboob requested the nominees to each make a cost estimate for the Cost to members for the CRC 2017 and revert back by the 15<sup>th</sup> October, 2016 to help narrow down the final destination for the CRC 2017.

Mohammad Tassi queried if Dubai, which had been put forward at the Planning Meeting by the Falcon Chapter was not being considered any longer? Farooq replied that they were still in the running and should make the cost proposal too. Saleh El Zein voiced that the Lebanese chapter would be very pleased to be the host of CRC 2017 and agreed to submit a cost proposal as early as possible.

Michel Hayek sought for feedback from Society concerning Beirut as a destination and whether there was any reservation regarding it. Jeff Littleton affirmed that there was currently no problem from society with Beirut as a CRC Destination.

## **21. Women in RAL**

Farooq requested the women in RAL to start and set objectives for the Women in ASHRAE RAL group. Nivedita Jadhav accepted to start this initiative.

## **22. ANY OTHER BUSINESS / DISCUSSIONS - All**

None

## **23. ADJOURNMENT - Farooq Mehboob**

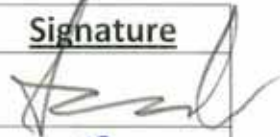

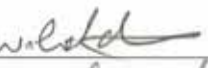


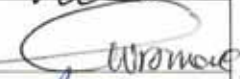

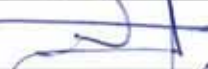
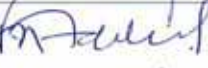

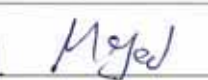
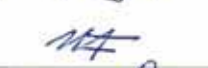





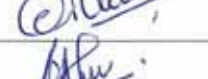

Special mention and acknowledgment was given to all the Malaysian Students who, with an immense amount of enthusiasm, provided great support and help to everyone at the CRC.

Farooq made his closing statements by expressing his gratitude for all of the kindness received and thanked all the attendees for a successful CRC.

The meeting was adjourned at 5:00 pm sharp.

**Minutes prepared by Adeeba Mehboob.**

Business Session#1 Ballroom CDate: 1<sup>st</sup> October, 2016Attendance Sheet



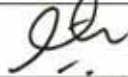
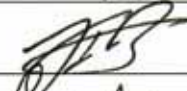
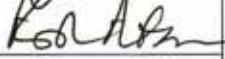
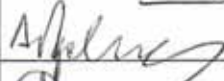








<u>S.No.</u>	<u>Name</u>	<u>Chapter</u>	<u>Designation</u>	<u>Signature</u>
<u>1</u>	FAROOZ MATHBOO	PAC	DRC RAL	
<u>2</u>	Nohad Boudani	Lebanese	RHCRC-RAL	
<u>3</u>	Walid Chakroun	Kuwait	VP society	
<u>4</u>	Pat Graef	SW Florida	VP Society	
<u>5</u>	Jeff Littleton	ATL HQ	Staff EVP	
<u>6</u>	ASHOK VIRMANI	AICCISS)	PAST DRC	
<u>7</u>	Marija Todorovic	Danube	GGAC Chair	
<u>8</u>	SAMIR TRABOULSI	LEBANESE	PAST DRC	
<u>9</u>	FARHAN A. MATHBOO	PAKISTAN	2ND VC CTC	
<u>10</u>	Mohammed Tassi	Saudi	RVC CTC RAL	
<u>11</u>	Maged Foued Hosken	Cairo	RVCGGACRAL	
<u>12</u>	MAHMOUD FOUAD	Cairo	RP-RVC	
<u>13</u>	MICHEL HAYEK	LEBANESE	RVC-SA	
<u>14</u>	Nabees Ahmad	N. Pakistan	R.V.C.M.P	
<u>15</u>	BRANKO TODOROVIC	DANUBE	ref. chair	
<u>16</u>	S. NAGARAJU	BANGALORE	ALTERNATE	
<u>17</u>	A. PANDI MURALI.	BANGALORE DELEGATE	DELEGATE	
<u>18</u>	RAJAN PATNE	PUNE	DELEGATE	
<u>19</u>	SANDESH P. BHURE	PUNE	ALTERNATE	

## ATTACHMENT-A

<u>S No.</u>	<u>Name</u>	<u>Chapter</u>	<u>Designation</u>	<u>Signature</u>
<u>20</u>	Taj Mehanmad Rizvi	N. Pakistan	ALTERNATE	
<u>21</u>	m. R. BAIG	N. Pakistan	Delegate	
<u>22</u>	AKBAR ZAHEER	PAKISTAN	ALTERNATE	
<u>23</u>	FAHAD HASAN	PAKISTAN	DELEGATE	
<u>24</u>	Ghassan Traboulsi	QATAR	ALTERNATE	
<u>25</u>	Fadi Abu Samra	QATAR	DELEGATE	
<u>26</u>	Hassan Sultan	Qatar		
<u>27</u>	ERICH BUDEN	SOUTHERN ALBERTA CANADA	SOCIETY DAL	
<u>28</u>	William F. McQuade	Central PENNSYLVANIA	SOCIETY D.A.L	
<u>29</u>	MICHAEL SCHWEDLER	LACROSSE AREA, WI	SOCIETY DAL	
<u>30</u>	STEVE CONSTOCK	ASHROE HQ	STAFF DIRECTOR	
<u>31</u>	MD. HASMOTULIZAMAN	BANGLADESH	M.P. CHAIR	
<u>32</u>	KIRITI MITRA	BANGLADESH	ALTERNATE	
<u>33</u>	AAKASH PATEL	W. INDIA	ALTERNATE	
<u>34</u>	DM SHUKLA	W. INDIA	DELEGATE	
<u>35</u>	MEHMET BARI DZERDEM	TURKISH	ALTERNATE	
<u>36</u>	BAHADIRHAN TARI	TURKISH	DELEGATE	
<u>37</u>	Mahendra Seneviratna	Sri Lanka	ALTERNATE	
<u>38</u>	Piyasiri Kalubowila	Sri Lanka	Delegato	
<u>39</u>	GIAN CHAND MODGIL	INDIA	ARVC-GGAC	
<u>40</u>	G. RAMESH KUMAR	BANGALORE	ARVC-RP	
<u>41</u>	ATHEER N. SIDDIQUI	NPC	ARVC-SA	
<u>42</u>	Ianna Deligkiozi	YRC Hellenica	YRC	



ATTACHMENT-A

<u>S.No.</u>	<u>Name</u>	<u>Chapter</u>	<u>Designation</u>	<u>Signature</u>
<u>43</u>	Mohamed Mansour	Cairo	RPC	
<u>44</u>	Nikolaos-Fotis KATENIS	Helladic	Member SA	
<u>45</u>	RAJAGOPAL SARAVANAN	CHENNAI	SA chair	R. Sane
<u>46</u>	RUPESH .R. UMTOL	MUMBAI	GGAC chair	
<u>47</u>	Yusuf Bhetaswala	Mumbai	CTTC chair	
<u>48</u>	ROSHINI EASOW	Mumbai	MP chair	
<u>49</u>	Petros Dalavouras	Hellenic	CTIC Chair	
<u>50</u>	Angelos Dalavouras	HELL ENIC	GGAC	
<u>51</u>	SRIRAM SUBRAMANIAM	CHENNAI	CTTC chair	
<u>52</u>	A Ramchandar Raju	Deccan	MP chair	
<u>53</u>	AHMAD RIZWAN	PAKISTAN	GGAC	
<u>54</u>	KHALID IQBAL	PAKISTAN	SA	
<u>55</u>	NEER AFZAL	PAKISTAN	CTTC	
<u>56</u>	Neymunul Islam	Pakistan	Member	
<u>57</u>	Mahmood Ahmad	Pakistan Chapter	Member	
<u>58</u>				
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<u>63</u>				
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**Business Session#1 Ballroom C**Date: 1<sup>st</sup> October, 2016**Attendance Sheet**

<u>S.No.</u>	<u>Name</u>	<u>Chapter</u>	<u>Designation</u>	<u>Signature</u>
<u>1</u>	Tim WENTZ	Nebraska	Soc. President	
<u>2</u>	Ahmed Alaa ELDin	Falcon	ARC-RAI	
<u>3</u>	Pankaj Dhankar	WI Chapter	CRC-Genl. Chair	
<u>4</u>	DAVID UNDERWOOD	TORONTO		
<u>5</u>	RON JARWAGIN	MID-COLUMBIA	AD-HOC SRC-DOUC	
<u>6</u>	Richard Pootley	—	AD-HOC SRA	
<u>7</u>	Adeeba Mehboob	Pakistan	ECC & Webmaster	
<u>8</u>	Nivedita Jadhav	Mumbai	Regional Treasurer	
<u>9</u>	ABBAS SAJJID	PAKISTAN	SRC-C	
<u>10</u>	Ken GOODMAN	SRC-B	SRC-B	
<u>11</u>	IRENE REICHERT	Dormbe	Nom. Member	
<u>12</u>	Bassel Anbari	Falcon	Nom. Alternates	
<u>13</u>	TIM DWYER		REGIONAL HISTORIAN	
<u>14</u>	ADIL INAM	BAHRAIN	DELEGATE	
<u>15</u>	M.P. MAIYA	CHEMNA	DELEGATE	
<u>16</u>	Mansoor J. Bhavnagarwala	CHEMNAI	ALTERNATE	
<u>17</u>	AMER ABBAS	Central Pakistan	Delegate	
<u>18</u>	Syed Shehzad Raza	Central Pakistan	Alternate	
<u>19</u>	Hesham Sofwat	CAIRO	Delegate	

## ATTACHMENT-A

<u>S No.</u>	<u>Name</u>	<u>Chapter</u>	<u>Designation</u>	<u>Signature</u>
<u>20</u>	Azmi S. Aboul-Hoda	Falcon		
<u>21</u>	Mohamed Ibrahim	Falco	<del>MP</del>	Alternate
<u>22</u>	Essam E. Khalil	CAIRO	DAL	
<u>23</u>	Tom Lawrence	Atlanta	DAL	
<u>24</u>	Billy Austin	Southern Piedmont	DRC-IV	
<u>25</u>	Bill Klax	AUSTIN	DRC-VIII	
<u>26</u>	Blake Ellis	Kansas City	DRC IX	
<u>27</u>	KARINE LEBLANC	SOUTHERN CALIFORNIA	DRC IX	
<u>28</u>	Bill Walter	Central New York	DRC I	
<u>29</u>	Ben Skelton	Illinois	DRC VI	
<u>30</u>	VIRESH RUHAL	MUMBAI	ALTERNATE	
<u>31</u>	NITIN NAIK	MUMBAI	DELEGATE	
<u>32</u>	RIAD ASSAF	Lebanese	ALTERNATE	
<u>33</u>	SALEH EL ZEIN	LEBANESE	DELEGATE	
<u>34</u>	Sorour Alotaibi	Kuwait	Delegat	
<u>35</u>	Mohamad El Cheikh	Lebanese	MP cochair	
<u>36</u>	PRIYANK GARG	INDIA	ALTERNATE	
<u>37</u>	KRISHNA MITRA	INDIA	DELEGATE	K.k.Mitra
<u>38</u>	Sreekanth Papineni	DECCAN	Alternate	
<u>39</u>	SATISH K BOCCAREDDY	DECCAN	DELEGATE	
<u>40</u>	Vasiliki Galiotou	HELLENIC	ALTERNATE	
<u>41</u>	Diw. Aris Charalambopoulos	HELLENIC	DELEGATE	
<u>42</u>	V. KRISHNAN	MUMBAI	R-ALT NON/ARVC CITC SR-C	

## ATTACHMENT-A

<u>S.No.</u>	<u>Name</u>	<u>Chapter</u>	<u>Designation</u>	<u>Signature</u>
<u>43</u>	Hassan Younes	FALCON	GGAC, Chair, ARVC	H. Younes
<u>44</u>	Lt Jn Thomas Eapen	Falcon	ARVC-RP	Lt Jn Thomas Eapen
<u>45</u>	Ahmed Nour	Cairo	ARVC-CTTC	Ahmed Nour
<u>46</u>	YOGESH THAKKAR	Western India	ARVC - M.P	Y Thakkar
<u>47</u>	KIM MITCHELL	ASHRAE	(Development) Staff Director	Kim Mitchell
<u>48</u>	Vanita Gupta	ASHRAE	Staff Director of Marketing	Vanita Gupta
<u>49</u>	MANAN VORA	WESTERN INDIA	MP CHAIR	Manan Vora
<u>50</u>	Mark Ames	ASHRAE	En. Mg. Fed. Govt Affairs	Mark Ames
<u>51</u>	Santosh C. Joshi	Pune	CTTC	Santosh C. Joshi
<u>52</u>	Amit Paigude	PUNE - INDIA	GGAC	Amit Paigude
<u>53</u>	Bassem ELASSAAD	TORONTO	Representation AHR	Bassem ELASSAAD
<u>54</u>	K. Leela Prasad	DECCAN/Andhra Pradesh	Member	K. Leela Prasad
<u>55</u>	Asmita RANETA	Central Section INDIA	MEMBER INDIA	Asmita RANETA
<u>56</u>	JENSON SEBASTIAN	DECCAN INDIA	GGAC Chair	Jenson Sebastian
<u>57</u>	Ahmed M. BOLBOL	Cairo Chapter	GGAC CHAIR	Ahmed M. BOLBOL
<u>58</u>	Najmul Islam	Pakistan	Member	Najmul Islam
<u>59</u>	ANOOP PEDIYARKAN	KUWAIT	CTTC CHAIR	Anoop PEDIYARKAN
<u>60</u>	CHAKRADHAR MAJETI	DECCAN INDIA	Treasurer	Chakradhar MAJETI
<u>61</u>	AHMAD RIZWAN	PAKISTAN	GGAC	Ahmad Rizwan
<u>62</u>	KHALID IQBAL	PAKISTAN	SA	Khalid Iqbal
<u>63</u>	NOOR AFZAL	PAKISTAN	CTTC	Noor Afzal
<u>64</u>				

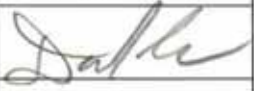
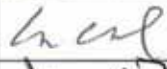
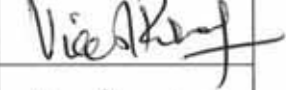
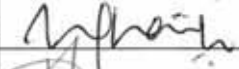



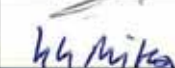
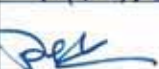
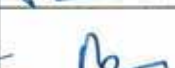


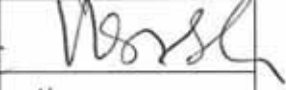

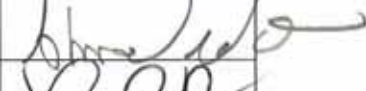
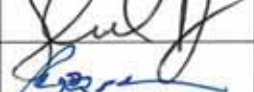
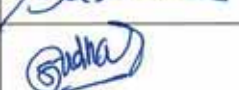




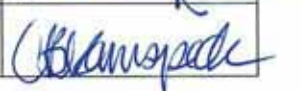

ATTACHMENT-A

<u>S.No.</u>	<u>Name</u>	<u>Chapter</u>	<u>Designation</u>	<u>Signature</u>
<u>65</u>	Mahmood Ahmad	Pakistan Chapter	Member	
<u>66</u>				
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
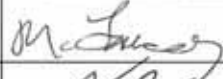




**RAL BUSINESS SESSION-3 BALLROOM C**Date: 2<sup>ND</sup> OCTOBER, 2016**Attendance Sheet**

<u>S.No.</u>	<u>Name</u>	<u>Chapter</u>	<u>Designation</u>	<u>Signature</u>
<u>1</u>	BJARNE W. OLSEN	-	Society P. club	Boool
<u>2</u>	Ahmed Alaa ELDin Moh.	Falco-	ARC- RAL	Ahmed
<u>3</u>	Pankaj Dharkar	Indiachem	chair - CRC	
<u>4</u>	Ron Jarragin	MID COLUMBIA	SUBREGIONAL STRATEGY	Ron Jarragin
<u>5</u>	Richard Reoley	—	Sub Region Strategy	RAL Reoley
<u>6</u>	DAVID UNDERWOOD	Toronto.	Sub Region Strategy	DU
<u>7</u>	Adeeba Mehboub	Pakistan	RAL Upland	Adeeba Mehboub
<u>8</u>	Anvedita Jadhav	Mumbai	RAL Treasurer	Anvedita Jadhav
<u>9</u>	KEN GOODMAN	SRB	SRBC	
<u>10</u>	TIM DWYER	SRS	HISTORIAN	
<u>11</u>	ADIL INAM	BAHRAIN	DELEGATE	A Inam
<u>12</u>	M. PRAKASH MAIYA	Chennai	DELEGATE	Maigom
<u>13</u>	Mansoor J. Bhavnagarwala	Chennai	ALT.	
<u>14</u>	AMER ABBAS	Central Pakistan	Delegate	A Abbas
<u>15</u>	Husham Sofwat	CAIRO	Delegate	
<u>16</u>	Manja Todorozil	GGAC → Danube		Manja
<u>17</u>	Lijn Thomas Eopen	Falcom		Lijn
<u>18</u>	Ebrahim Alhajri	Falcon	Delegate	as
<u>19</u>	LARRY FISHER	Louisville	BOD/DRC RVII	Larry Fisher

## ATTACHMENT-A

<u>S No.</u>	<u>Name</u>	<u>Chapter</u>	<u>Designation</u>	<u>Signature</u>
<u>20</u>	Douglas Tich	Central Indiana US	DRC V	
<u>21</u>	Larry Markel	East Tennessee	DAL	
<u>22</u>	VIRESH RUMAL	MUMBAI	ALTERNATE	
<u>23</u>	NITIN NAIK	MUMBAI	DELEGATE	
<u>24</u>	RIAD ASSAF	LEBANESE	ALTERNATE	
<u>25</u>	Saleh El Zein	Lebanese	Delegate	
<u>26</u>	PRIYANK GARG	INDIA	ALTERNATE	
<u>27</u>	KRISHNA MITRA	INDIA	DELEGATE	
<u>28</u>	SUREKANTH PURINBUR	DECCAN	ALTERNATE	
<u>29</u>	SATISH KUMAR DOCCAN	DECCAN	DELEGATE	
<u>30</u>	VASILIKI GALIOTOU	HELLENIC	ALTERNATE	
<u>31</u>	DIMITRIS CHARALAMBIDOU	HELLENIC	DELEGATE	
<u>32</u>	KRISHNAN V	MUMBAI	ARVC CTIC-SRC	
<u>33</u>	Hassan Younes	FALCON	ARVC-GGAC-SA GGAC Chair FC	
<u>34</u>	Ahmad Nouj	CAIRO	ARVC-CTIC	
<u>35</u>	Daniel Rogers	Florida West Coast	DRC Reg III	
<u>36</u>	Bassam ELASSADJ	TORONTO	representing AHRI	
<u>37</u>	Santosh C Jadhav	Pune	CTIC	
<u>38</u>	Sanjay Rao	Pune.	CHAIR-SA	
<u>39</u>	AHMAD NAWAZ	N.PAK	CCCC	
<u>40</u>	JENSON SEBASTIAN	DECCAN CHAPTER INDIA	GGAC	
<u>41</u>	CRAIG WRIGAT	HQ	ASHRAE STAFF	
<u>42</u>	Claire Ramspeck	Atlanta	Staff Director of Technology	

ATTACHMENT-A

<u>S.No.</u>	<u>Name</u>	<u>Chapter</u>	<u>Designation</u>	<u>Signature</u>
<u>43</u>	Mark Ames	ASHRAE S.107	—	
<u>44</u>	Azmi S. Aboul-Hoda	Fakeon	RP Chair Publicly chair	
<u>45</u>	Hassam Abdelkader	Cairo	MP Chair	Hassam
<u>46</u>	Ahmed BalBal	Cairo	GGAC Chair	Ahmed
<u>47</u>	MARY Townsend	ASHRAE HDQTR Mumbai	EXEC. Asst to Board	
<u>48</u>	Yusuf Bhelasiwala	CTTC/Int	CTTC	
<u>49</u>	Mohamed Mansour	Cairo	RPC	
<u>50</u>	R ANISH SIMHA	Bangalore	BOG	
<u>51</u>	Mohd. Asif Basha	DARCC AN	SA	
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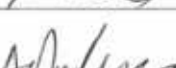







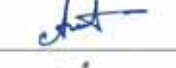


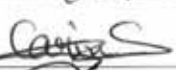
**RAL BUSINESS SESSION-3 BALLROOM C**Date: 2<sup>ND</sup> OCTOBER, 2016**Attendance Sheet**

<u>S.No.</u>	<u>Name</u>	<u>Chapter</u>	<u>Designation</u>	<u>Signature</u>
<u>1</u>	Farooq Mehboub	Pakistan	DRC	
<u>2</u>	Nohad Boudani	Lebanese	RMCR	
<u>3</u>	Sheela Hayter	Rocky Mtn	ASHRAE Treasurer	
<u>4</u>	Jeff Littleton	ATL HQ	Staff EVP	
<u>5</u>	Edward Tsui	HK <del>TP</del>	VP	
<u>6</u>	Ginger Seeggen	<del>STRANGE</del> <del>SOCIETY</del>	VP	
<u>7</u>	ASHOK VIRNANI	ATC	PAST DRC	
<u>8</u>	SAMIR TRABOULSI	LeTS.	RAL Adhoc chair PAST RAL DRC	
<u>9</u>	Mohammad Tassi	Saudi	RAL RVC CTC	
<u>10</u>	MAHMOUD FOUAD	Cairo	RAL PP RVC	
<u>11</u>	MECHEL HAYEK	LEBANON	RVC-SA	
<u>12</u>	Naseer Ahmad	N. Pakistan	RVC M.P	
<u>13</u>	BRANISLAV TODOROVIC	DANUBE	Ref. chair	
<u>14</u>	M. R. Baig	N. Pak	Delegate	
<u>15</u>	Taj Muhammad Rizvi	N. Pak.	Alternate	
<u>16</u>	RAJAN PATHE	PUNE	DELEGATE	
<u>17</u>	SANDESH P. BHURE	PUNE	ALTERNATE	
<u>18</u>	FAHAD HASAN	PAKISTAN	DELEGATE	
<u>19</u>	AKBAR ZAHEER	PAKISTAN	ALTERNATE	

## ATTACHMENT-A

<u>S No.</u>	<u>Name</u>	<u>Chapter</u>	<u>Designation</u>	<u>Signature</u>
<u>20</u>	Ghassan Traboulsi	QATAR	ALTERNATE	
<u>21</u>	Mark Fly	NE. Oklahoma	DAL-Society	
<u>22</u>	SANJANT.HOOR	DALCAJ	DAL "	
<u>23</u>	STEVE COMSTOCK	STAFF	DIRECTOR	
<u>24</u>	Patricia Adamson	staff	Dev. RP	
<u>25</u>	DOUG COCHRANE	Toronto	DRC REGION II	
<u>26</u>	KETHA YELTON	OREGON	DRC REGION XI	
<u>27</u>	Dennis Knight	Charleston	BOD DAL	
<u>28</u>	KIRITI MITRA	BANGLADESH	ALTERNATE	
<u>29</u>	MANASH K MITRA	BANGLADESH	DELEGATE	
<u>30</u>	AAKASH PATEL	W. INDIA	ALTERNATE	
<u>31</u>	D N SHUKLA	W. INDIA	DELEGATE	
<u>32</u>	Mehmet Baris OZERDEM	TURKISH	ALTERNATE	
<u>33</u>	BAHADIRHAN TARI	TURKISH	DELEGATE	
<u>34</u>	MIGUEL A. DE FRUTOS	SPAIN	ALTERNATE	
<u>35</u>	MAHENDRA SENEN RAJAWA SRI LANKA	SRI LANKA	ALTERNATE	
<u>36</u>	Piyasiri Kalubowila	Sri Lanka	Delegale	
<u>37</u>	A. PANDITHARAN	BANGALORE	DELEGATE	
<u>38</u>	S. NAGARAJU	BANGALORE	ALTERNATE	
<u>39</u>	G. RAMESH KUMAR	BANGALORE	ARVAC RP- <sup>Repn</sup> (C)	
<u>40</u>	ATHER N. SADIQW	NPC	ARVC SA	
<u>41</u>	ATILLA BIYIKOGLU	TURKISH	ARVC-CGAC-36RB	
<u>42</u>	Ioanna Deligiorgi	Hellenic	YRC	

## ATTACHMENT-A

<u>S.No.</u>	<u>Name</u>	<u>Chapter</u>	<u>Designation</u>	<u>Signature</u>
<u>43</u>	Mohamad EL Chaikha	Lebanese	MP Chair Terasus	
<u>44</u>	Angelos Dalavouras	Hellenic	GGAC	
<u>45</u>	Pimitrios Delavouras	Hellenic	MP	
<u>46</u>	Petros Dalavouras	Hellenic	CTIC Chair	
<u>47</u>	Charalampos Gicannikopoulos	Hellenic	RP	
<u>48</u>	BASSAM ELASSAAD	TORONTO	Representing AHR	
<u>49</u>	Emilio Hatar	Lebanese	SA Chair	
<u>50</u>	Nikolaos-Foivos KATERNY	Hellenic	SA	
<u>51</u>	Santosh C. Jadhav	Pune	GTTC	
<u>52</u>	Saigay Rao	Pune	SA.	
<u>53</u>	Amit Paigude	Pune India	GGAC	
<u>54</u>	JENSON SEBASTIAN	DECCAN CHAPTER	GGAC	
<u>55</u>	Mohammed Asif Basra	DECCAN	SA	
<u>56</u>	Carine Saliba	Falcon	YEA Chair	
<u>57</u>	FADI ABOU JAARA	ORUK	DELEGATE	
<u>58</u>				
<u>59</u>				
<u>60</u>				
<u>61</u>				
<u>62</u>				
<u>63</u>				
<u>64</u>				

# ASHRAE 2016

Vice Presidents Update

ASHRAE Region At Large  
Chapter Regional Conference – Bangkok  
September 30-October 2, 2016

# Membership Increase – Thank you!

## 56,105

- Highest year end membership total since 2002
- Region-at-Large had largest percent gain in 2015-16
- Total membership – U.S. and Canada: 79%, global: 21% (increase from 18% two years ago)



# Chapters/Regions

- Two newest chapters (Ecuador and Macau) – **181 total chapters**



- Amaravathi Section (India) – 41 total sections
- 13 new student branches outside United States – **236 total student branches**
  - (1) **Canada** – Region II
  - (3) **Pakistan** – Region-at-Large
  - (1) **Brazil** – Region XII
  - (1) **Malaysia** – Region XIII
  - (1) **Indonesia** – Region XIII
  - (3) **India** – Region-at-Large
  - (1) **Kuwait** – Region-at-Large
  - (1) **Nigeria** – Region-at-Large
  - (1) **Croatia** – Region-at-Large

# Connect a Colleague



- Easy-to-use referral tool
- Enter a colleague's name and email to have pre-written invitation to join ASHRAE sent on your behalf
- Since March 1st, **1,100** members have used the tool, resulting in **168** new memberships
- [www.ashrae.org/connect](http://www.ashrae.org/connect)

# ASHRAE Reach

An employer outreach program that aims to meet ASHRAE's Strategic Plan goal of driving employer support.

- Target audience:
  - Current employers who support membership/volunteerism of their employees
  - Non-participating companies
- Resources available at [www.ashrae.org/reach](http://www.ashrae.org/reach)



ASHRAE Reach folders are distributed to chapter officers and presented at CRCs. Each folder includes:

- ASHRAE Journal
- High Performance Buildings magazine
- Publications Guide
- 3 membership applications



# ASHRAE RP Campaign 2015-2016

**\$2,570,000** funds raised – *new all time high!*

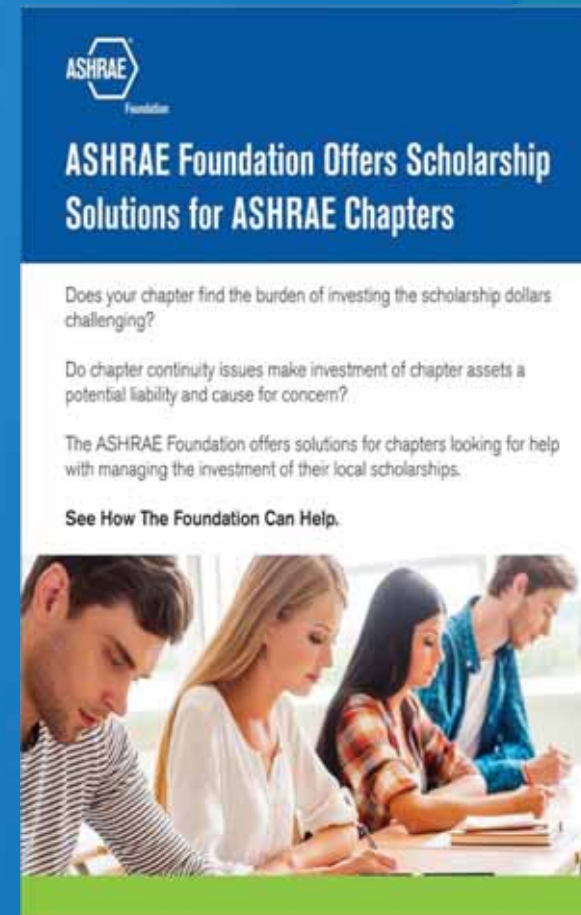
**2%** increase over previous year

This is ASHRAE's **seventh year in a row** raising of setting new record high

Thank you!

# ASHRAE Scholarships

- ASHRAE Foundation offers solutions for chapters looking for help with managing investment of their local scholarships
- **\$152,000+** in scholarship money awarded for FY 2014-15
  - ASHRAE Society Scholarships: **32**
  - Chapter Awarded Scholarships: **11**



# New ASHRAE Presidents Scholarship



- Furthers legacy of ASHRAE Presidential Members
- Provides assistance for undergraduate students whose primary academic interests align with ASHRAE mission
- \$200,000 endowment goal
- [www.ashrae.org/foundation-online-giving](http://www.ashrae.org/foundation-online-giving)

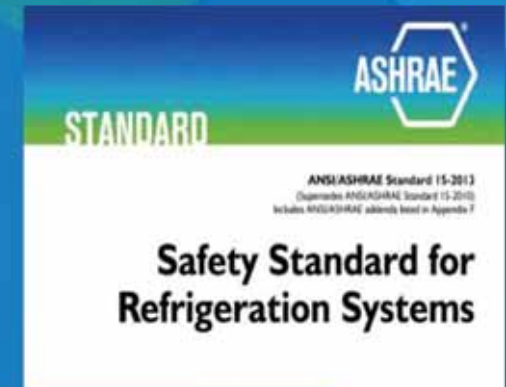
# Strategic Plan

- 5 years of membership, publications and training data analyzed along with survey of members outside U.S. and Canada
- Data to help define how to better serve members globally and capitalize on opportunities for growth
- Research being analyzed by Planning Committee to make recommendations for action, including estimation of investment required and return expected



# Flammable Refrigerant Research

- Part of global effort to phase down use of high global warming potential refrigerants
- **\$5.2 million initiative** by ASHRAE, AHRI and U.S. Department of Energy
- Results to be used in Standards 15 and 34



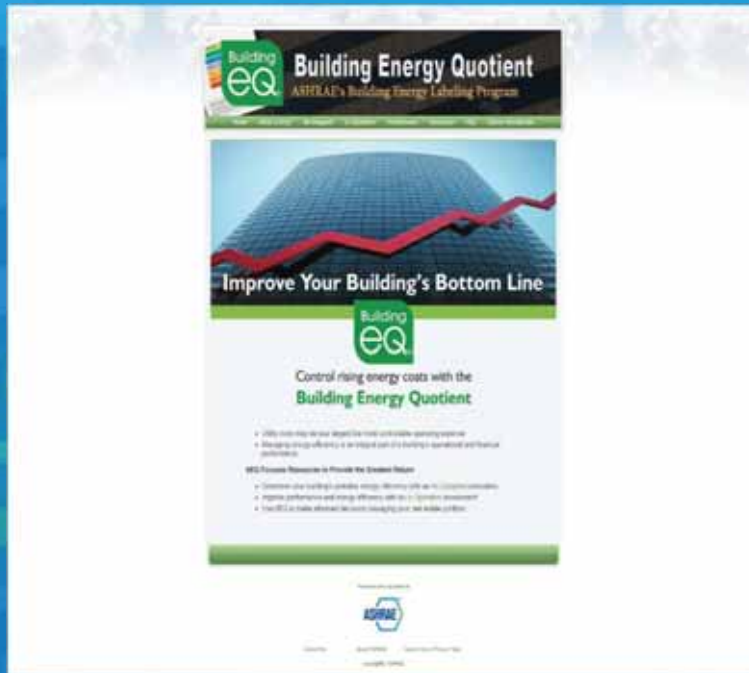
# ASHRAE and UNEP

Working together to provide ASHRAE resources as developing countries transition to new refrigerants:

- Web based learning to improve refrigerant literacy among governmental policymakers
- Fact sheets on technology developments related to introduction of new refrigerants into market
- Conference organized by ASHRAE, UNEP, UNIDO and IIR on refrigeration practices in seafood industry to be held in Bangkok
- Linking ASHRAE chapters and members in developing countries with UNEP regional offices to promote more energy efficient practices



# ASHRAE's Building EQ



- Voluntary labeling program that draws on successful features of other building labeling and certification programs
- Complements other green building and energy rating/labeling programs
- Provides a way to benchmark performance
- Includes ASHRAE Level 1 Energy Audit and IEQ Survey
- Allows for comparison of As Designed (asset) and In Operation (operational) ratings

# Benefits of Building EQ

- Rate your building against your peers: energy analysis that compares your building to similar buildings in similar locations
- Greatest value: Building EQ as framework for realizing energy improvements in existing buildings
  - Actionable recommendations for improving building energy performance
  - Standard and consistent process
  - Platform for integrating and promoting ASHRAE standards (e.g., SPC 211P), guidelines, and publications
  - Vehicle for delivering related education and certification



# Refocused Role for Building EQ

- Maintain labeling and rating program
- Focus on building performance improvement
- Developing web portal for online entry and automated data exchange
- Collaborations, e.g., EPA, LEED<sup>®</sup> EBOM, NYSERDA, New Jersey P4P, global jurisdictions
- Developing university course for delivery through student branches and local chapters
- Growing international interests
- Opportunities with utilities and efficiency program administrators

# IAQA Update

- ASHRAE/IAQA Dual Membership Discount Program allows members of one association to join the other at 25% discount
- Several IAQA chapters holding joint IAQA and ASHRAE meetings
- IAQA's 20<sup>th</sup> Annual Meeting to be held at same venue as ASHRAE's 2017 Winter Conference
- International growth – establishing new chapters in Australia and India, and working on agreements for IAQA onsite courses in Hong Kong, China and Malaysia
- IAQA to roll out a new look in 2016

# Summer 2016 ASHRAE Publications Catalog

Great Resources for: Reference | Design Guidance | Learning

## Inside You Will Find:

ASHRAE Handbooks.....	3
Datacom Series.....	4
Design Guides and Guidance.....	4
Application Guides, Operating Guidance and Procedures.....	5
Educational Texts and Training.....	6
Advanced Energy Design Guides.....	7
Journals, Proceedings, History.....	8
Psychrometric Charts.....	9
Software and Digital Data.....	10
Apps for Mobile Devices.....	11
Weather Data.....	11
Standards.....	11
Guidelines.....	16
Books from Other Publishers.....	17



See inside for the most current HVAC&R technical literature from ASHRAE and other publishers.



# ASHRAE Publications

## Planned Publications

Design Guide for Cleanrooms

Design Guide for Duct Systems

Design Guide for Air Terminal Units

Design Guide for Dedicated Outdoor Air Systems

Design Guide for Sustainable Refrigeration Facilities & Systems

Member's Survival Guide: Design/Build Section

## Planned Standards

Standard 90.1 (Energy Efficiency)

Standard 90.4 (Data Centers)  
\*approved at 2016 Annual Conference

Standard 126 (HVAC Air Duct & Fittings with SMACNA)

Standard 135 (BACnet)

Standard 55 – 2013 User's Manual

Standard 201 – 2016 User's Manual

Standard 10 (Interactions Affecting the Achievement of Acceptable Indoor Environments)

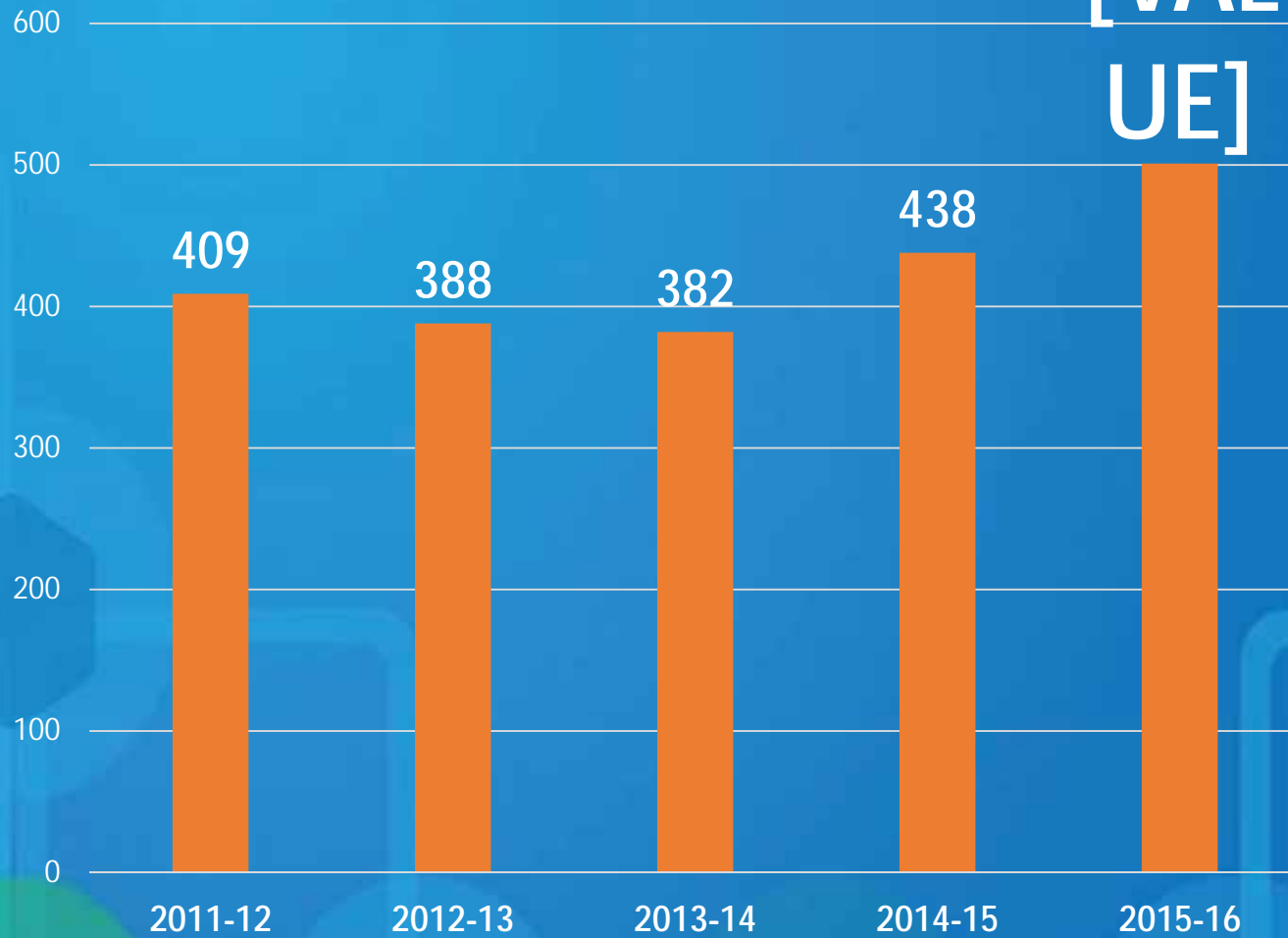
Standard 52.2 (General Ventilation Air Cleaning Devices for Removal Efficiency by Particle Size)

Standard 160 (Criteria for Moisture-Control Design Analysis in Buildings)

# Certification

- Additional **30 minutes** of exam testing time added for non-native English speakers
  - *Suggestion came from Colombia Chapter via motion at Region XII fall 2015 CRC*
- BEAP, BEMP, CPMP and HBDP **all accredited** by American National Standards Institute
- U.S. federal buildings personnel can now include ASHRAE certification in professional development plan

# ASHRAE Certification Applications Increasing [VALUE]



# ASHRAE Authoring Portal for Handbook

authoring.ashrae.org



- New document collaboration tool for Handbook chapters
- Allows several authors to work together on document
- Eliminates members having to email large files
- Takes place in ASHRAE-approved environment that safeguards ASHRAE's copyright on behalf of members

# ASHRAE HVAC Design & Operation Training – New Course

## Improving Existing Building Operation

- 2-day seminar provides techniques to measure existing building performance to make facilities operate more efficiently and economically
- Focuses on built environment and existing HVAC systems
- Proper operation and maintenance of existing HVAC systems discussed
- Introduces different methods for evaluating potential improvements to buildings and systems



# Upcoming 2016 HVAC Design & Operation Training Dates



<u>Dates</u>	<u>Training</u>	<u>Locations</u>
Aug 8-10	Level I	Atlanta, GA
Aug. 11-12	Level II	Atlanta, GA
Aug. 18-19	Building Operation	Atlanta, GA
Aug. 24-26	Level I	Singapore
Aug. 29-31	Level I	Jakarta, Indonesia
Oct. 17-19	Level I	Phoenix, AZ
Oct. 20-21	Level II	Phoenix, AZ
Nov. 6-8	Level I	Dubai, UAE
Nov. 9-10	Level II	Dubai, UAE

[www.ashrae.org/hvactraining](http://www.ashrae.org/hvactraining)

# Grassroots Government Advocacy

- Engaged services of Bill Track 50/Votility to track federal/state legislation and regulation and to create legislative action network to engage members with policy makers at all levels
- Contact elected and appointed leaders about proposed legislation, regulations and other policy concerns.
- Bill tracking portion only follows proposed U.S. federal and state legislation and regulations, policy makers worldwide can be contacted

# Social Media



44,584 page likes



21,711 followers



12,892 followers

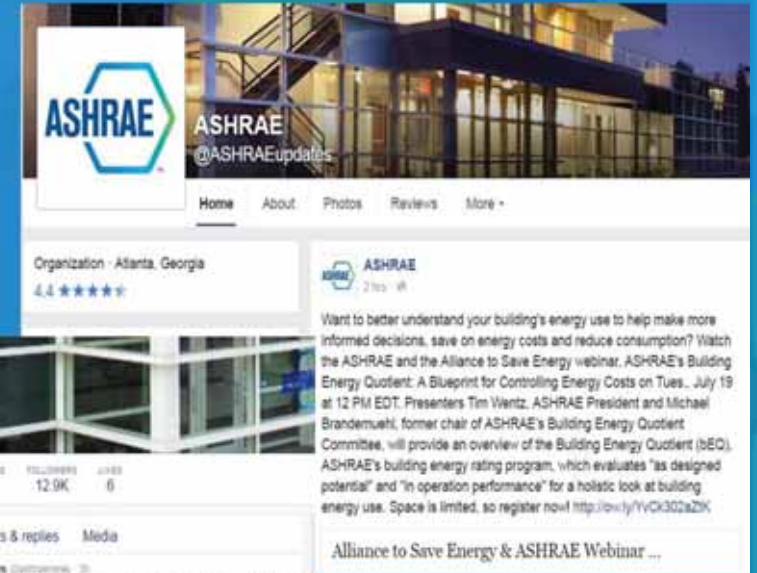


1,131 subscribers



1,491 members

Updated as of 7/13/2016



# Joint Chapters Regional Conference

- Region XIII and the Region-at-Large (RAL) in October in Bangkok
- Employs a “mega CRC” model, which has been much discussed within ASHRAE as possible strategy to use in other regions
- More than **400** people expected, representing **25 chapters** from the Region-at-Large and **nine chapters** from Region XIII
- First Board of Directors meeting held outside North America follows CRC
  - Will expand the Board’s perspective and present unique opportunity to work with members from dozens of chapters and countries

# ASHRAE Conferences 2016-17

Event	Date(s)	Location
ASHRAE/IBPSA-USA SimBuild 2016: Building Performance Modeling Conference	August 10-12	Salt Lake City, UT
IAQ 2016 Defining Indoor Air Quality: Policy, Standards, & Best Practices Co-organized by Air Infiltration & Ventilation Centre (AIVC)	September 12-14	Alexandria, VA
AHR Expo Mexico	September 20-22	Monterrey, Mexico
2 <sup>nd</sup> Int'l Conference Efficient Building Design: Materials & HVAC Equipment Technologies	September 22-23	Beirut, Lebanon
Sustainable Management of Refrigeration Technologies in Mobile Marine & Fishery Sectors	April 19-21 (2017)	Bangkok, Thailand
2 <sup>nd</sup> Int'l Conference on Energy &	Feb 26-27	

# 2017 Winter Conference/AHR Expo

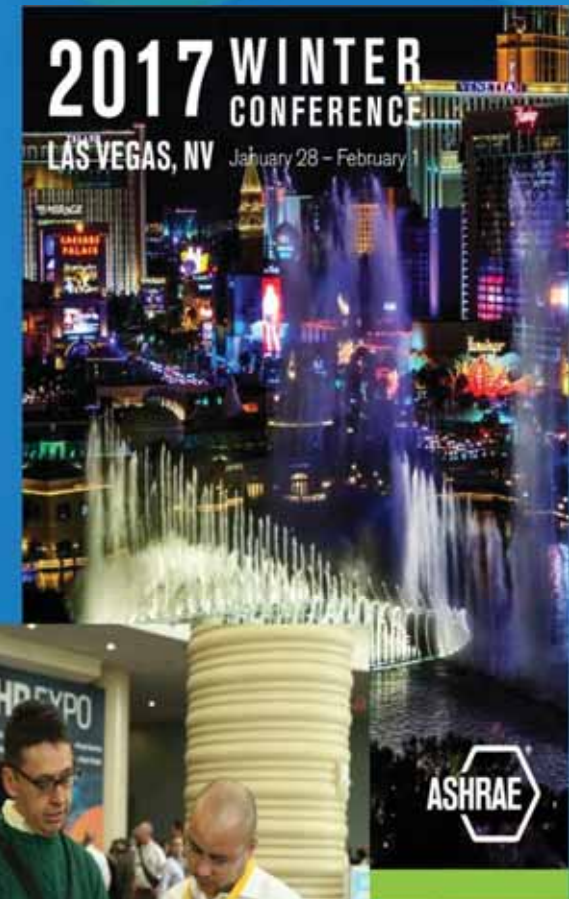
ASHRAE 2017 Winter  
Conference  
Las Vegas  
Jan. 28-Feb. 1

AHR Expo  
Las Vegas  
Jan. 30-Feb. 1

Conference badge provides free access to  
Expo

Expo could surpass 500,000 net square  
feet of exhibit space

ASHRAE hopes to beat Conference record  
set in Las Vegas in 2011





# Volunteer Support: Report from HQ

Steve Comstock

Director Publications & Education  
[comstock@ashrae.org](mailto:comstock@ashrae.org)

# ASHRAE is Big

- ▶ 100 Technical Committees
- ▶ 130 Standards Project Committees
- ▶ 55,728 members
- ▶ 21% outside US / Canada
- ▶ 14 regions around the world
- ▶ 181 Chapters, 41 Sections, 234 Student Branches
- ▶ 24 Chapters in RAL with 5,228 members
- ▶ More than 550 current ASHRAE titles
- ▶ Produce 8,000+ pages of content annually
- ▶ 56 active Research Projects valued at \$9 million
- ▶ 120 staff



# ASHRAE Staff

## 117 in Atlanta / 3 in DC

- ▶ Support & leverage Volunteer Resources
- ▶ Provide business functions that sustains ASHRAE
- ▶ Supplement Volunteers with professional expertise
- ▶ Add continuity and coordination

Enable the Business of ASHRAE.

“The business of ASHRAE is nurturing the Volunteer.”

# Staff Department Heads

- ▶ Executive Office - Jeff Littleton
  - ▶ Intersociety relationships, strategic development, staff management
- ▶ Development Office - Kim Mitchell
  - ▶ Foundation and Research Promotion
- ▶ Comptroller's Office - Craig Wright
  - ▶ Accounting, IT
- ▶ Marketing Department - Vanita Gupta
  - ▶ Brand awareness, public relations



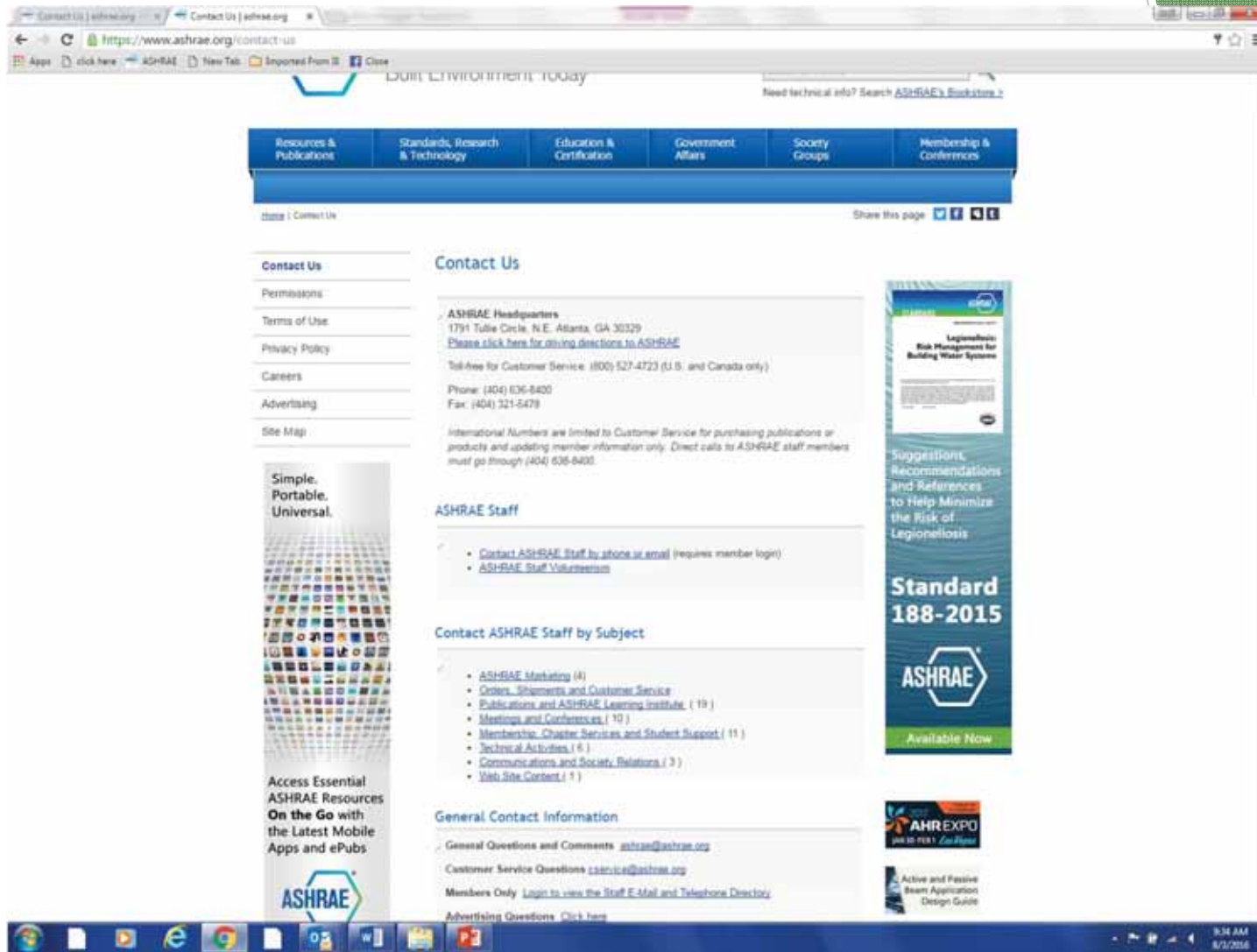
- ▶ Technology Department - Claire Ramspeck
  - ▶ Standards, TCs, Research
- ▶ Membership Services - Joyce Abrams
  - ▶ Chapter support, student activities, conferences
- ▶ Publishing & Education - Steve Comstock
  - ▶ Package the volunteer contributed IP and successfully deliver to market.



# ASHRAE.org

- ▶ Gateway to ASHRAE Resources
- ▶ 1,200,000 users annually
- ▶ 4,600,000 page views annually

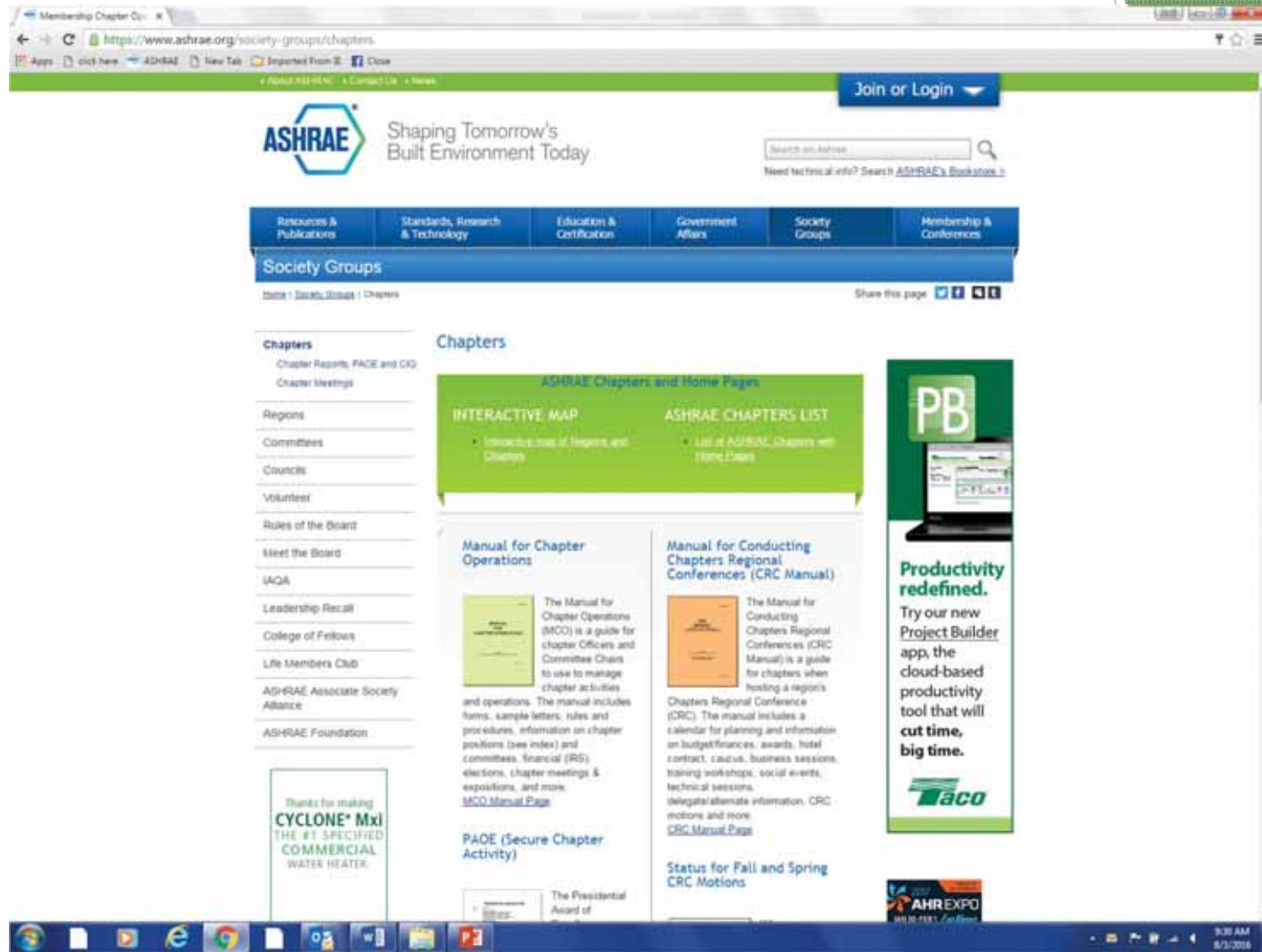




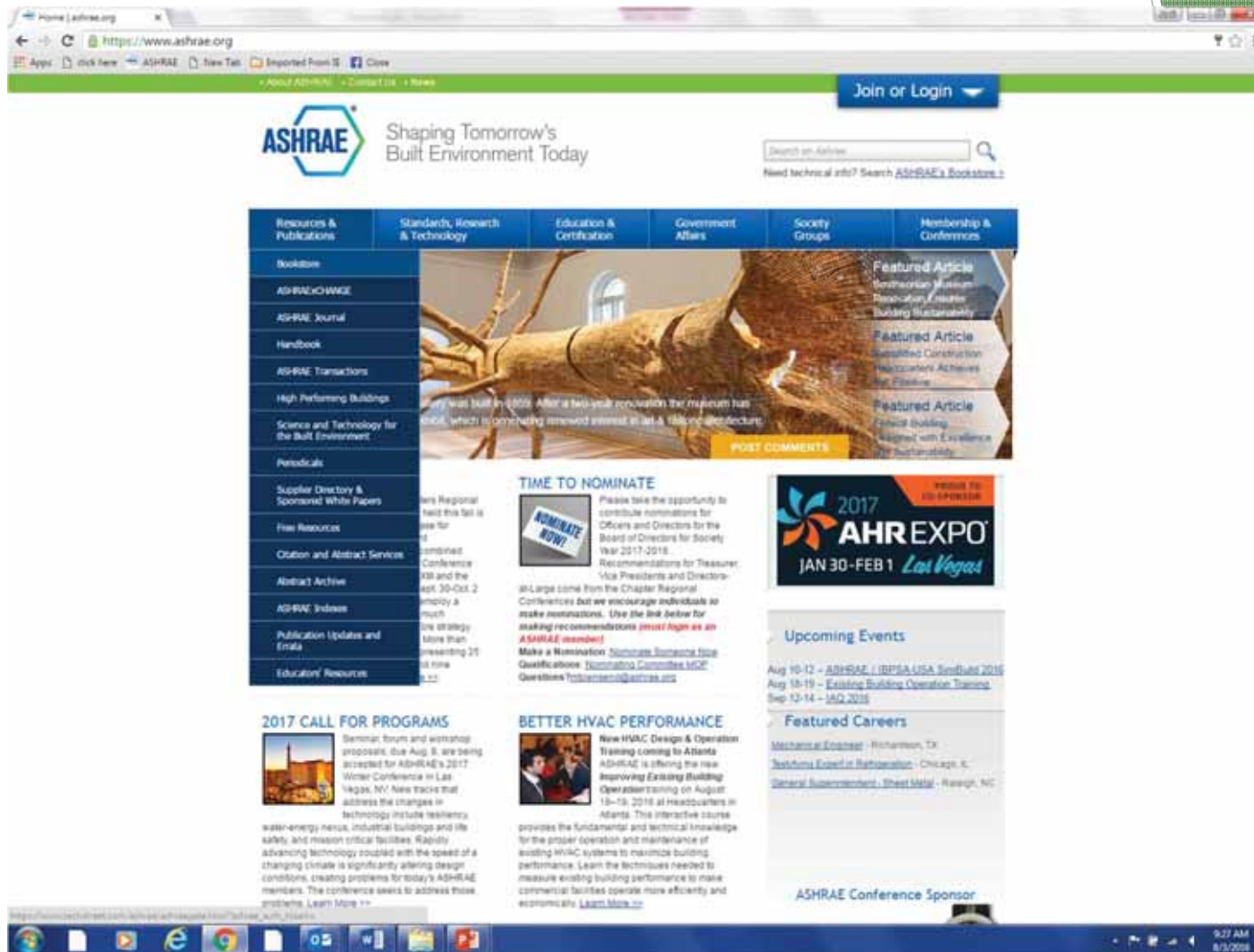
# Staff Structure Mirrors Volunteer Structure

- ▶ Publishing and Education Council - Director
- ▶ Handbook Committee - Mark Owen & Heather Kennedy
- ▶ Publications Committee - Mark Owen & Cindy Michaels
- ▶ Electronic Communication Committee - Joslyn Ratcliff
- ▶ Historical Committee - Emily Sigman
- ▶ Certification Committee - Tim Kline
- ▶ Professional Development - Karen Murray

The screenshot shows the ASHRAE website homepage. At the top, there is a navigation bar with "Join or Login" and a search bar. The main header features the ASHRAE logo and the tagline "Shaping Tomorrow's Built Environment Today". Below the header is a horizontal menu with categories: Resources & Publications, Standards, Research & Technology, Education & Certification, Government Affairs, Society Groups, and Membership & Conferences. A large banner image shows a modern interior with a large, curved wooden structure. Below the banner are several news articles and event listings. The "FIRST JOINT CRC" article discusses a combined Chapters Regional Conference. The "TIME TO NOMINATE" article encourages nominations for the Board of Directors. The "2017 CALL FOR PROGRAMS" article mentions a seminar in Las Vegas. The "BETTER HVAC PERFORMANCE" article advertises new HVAC design and operation training. On the right side, there is a "Society Groups" dropdown menu listing various regional chapters and a "Membership & Conferences" section with links to articles and a "KPO Vegas" logo. At the bottom, there is a "Featured Careers" section listing job openings in mechanical engineering, systems expert, and general superintendent. The footer includes the ASHRAE Conference Sponsor logo and a Windows taskbar at the very bottom.







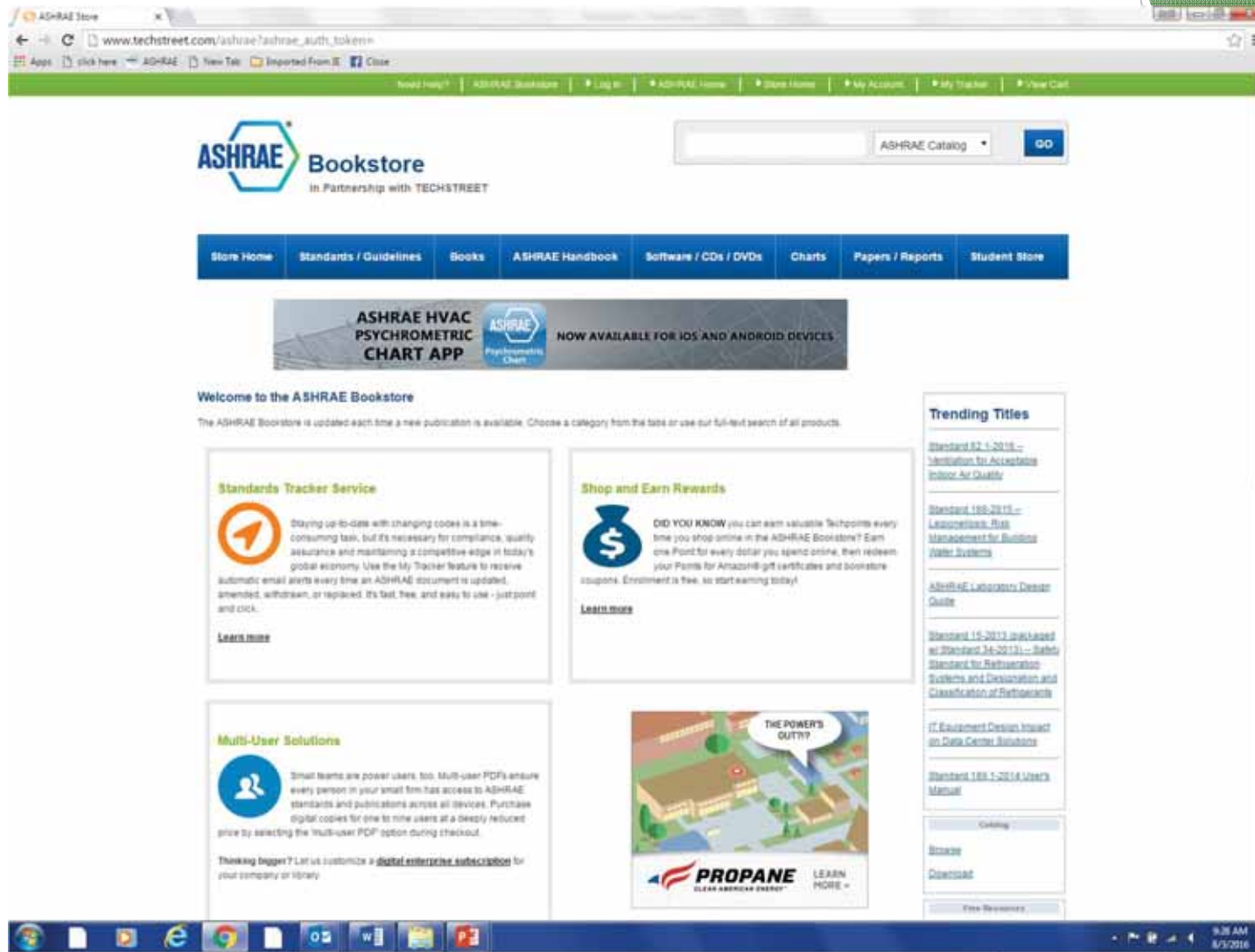
# ASHRAE Handbook Online

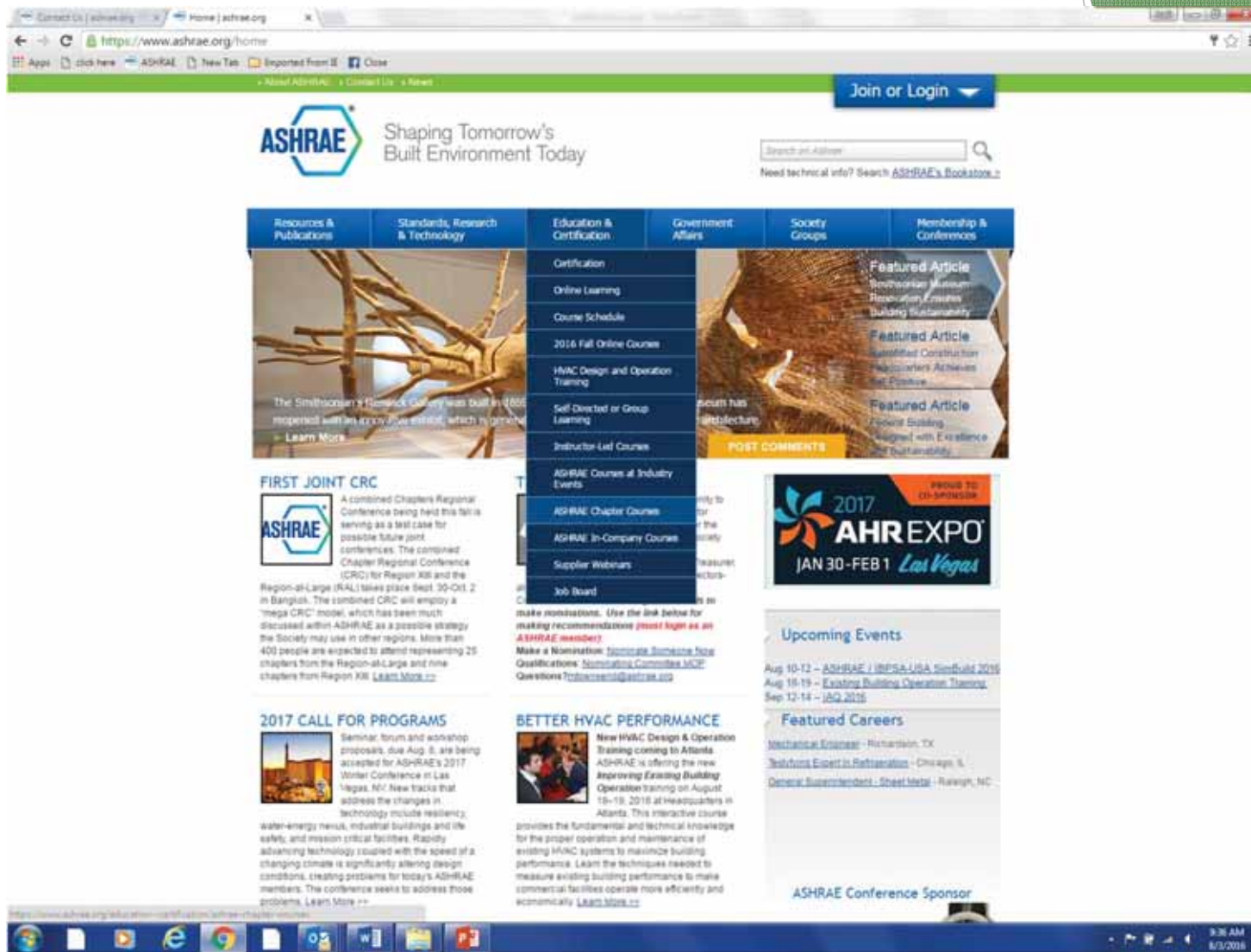
## 2017 volume is Fundamentals

- ▶ PEC investigating Delivery Options
- ▶ Updates between print revisions
- ▶ Search over 3,600 pages
- ▶ Copy, paste, and print functions
- ▶ I-P and SI editions of all 4 volumes.
- ▶ Sound and video clips to better demonstrate processes and applications
- ▶ Interactive equations and figures. Also, spreadsheets to perform calculations
- ▶ Software or source code not otherwise published by ASHRAE
- ▶ Supplemental or expanded text passages (e.g., case studies, "sidebar" discussions)

[www.ashrae.org](http://www.ashrae.org)







The screenshot shows the ASHRAE website's Education & Certification page. The browser address bar displays the URL: <https://www.ashrae.org/education-certification/ashrae-chapter-courses>. The ASHRAE logo is at the top left, with the tagline "Shaping Tomorrow's Built Environment Today". A navigation menu includes "Resources & Publications", "Standards, Research & Technology", "Education & Certification", "Government Affairs", "Society Groups", and "Membership & Conferences". The "Education & Certification" section is highlighted. A sidebar on the left lists various educational options: Certification, Online Learning, Course Schedule, 2018 Fall Online Courses, HVAC Design and Operation Training, Self-Directed or Group Learning, Instructor-Led Courses, ASHRAE Courses at Industry Events, ASHRAE Chapter Courses, ASHRAE In-Company Courses, Supplier Webinars, and Job Board. The main content area features a heading "Bring ASHRAE Education To Your Chapter" and a sub-heading "What does your Chapter provide?". Below this, there are sections for "ASHRAE Learning Institute Courses" and "What does the ASHRAE Learning Institute (ALI) provide?". A vertical banner on the right side of the page reads "NEW NAME. NEW LOOK. BIGGER SCOPE." and "ASHRAE'S JOURNAL OF ARCHIVAL RESEARCH". The Windows taskbar at the bottom shows the time as 9:37 AM on 8/3/2018.



# ASHRAE eLearning Center

[My Courses](#) | [My Account](#) | [Shopping Cart \(0\)](#) | [Register/Log In](#) | [FAQ](#)

## Convenient and Effective On Demand

### Build Your Team On Time and On-Budget



Enter Catalog Search Terms Here...



Bring Your Whole Team Quickly Up to Speed with Corporate Discounts

**Individual Courses**

**Course Packages**

**Libraries**

#### Refine Your Search

##### Category

[Individual Courses](#) (8)

##### Subject

[Design](#) (2)

[Indoor Air Quality](#) (2)

[Green Buildings](#) (2)

### Humidity Control Design: Basic Principles, Loads and Equipment (Dual), 3.0 PDHs (AIA, GBCI)

Provides HVAC designers and building owners with the knowledge and techniques to control humidity issues effectively and economically. Gives a strong foundation for the knowledge needed by technical professionals to avoid classic problems in buildings caused by excessive or uncontrolled

Navigation

- Home
  - My profile
  - My courses
  - Transcript

Help/Contact

(678) 500-3917  
eLearning@ashrae.org

Administration

- My profile settings

Self-Reported Learning

HVAC Design: Level II – Applications  
Approved

HVAC Design: Level I - Essentials Approved

View all requests

Submit new learning

## Courses

Filter courses accessed before  Go Reset

Incomplete Courses Complete Courses All Courses

Course	Expiration	Details	Launch	Grade	Last Access
Temporary Free Course Access	12/21/2016	Details	View		Never
Standard 62.1-2010: Ventilation Rate Procedure, 3.0 PDHs (GBCI)	09/14/2017	Details	Launch		Never
Humidity Control Design: Basic Principles, Loads and Equipment (Dual), 3.0 PDHs (AIA, GBCI)	09/14/2017	Details	Launch		Never
Building Information Modeling (Dual), 2.0 PDHs (AIA, GBCI)	09/14/2017	Details	Launch		Never

All courses

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3:30 PM 9/25/2016

# ASHRAE Training

- ▶ Improving Existing Building Operation. Equips attendees with the techniques to assess existing building performance.
- ▶ HVAC Design: Fundamentals Level I - Intensive, practical training ideal for recent technical or engineering school graduates, those who need a refresher in new technologies, and facility managers, sales representatives who want to gain a better understanding of HVAC fundamentals.
- ▶ HVAC Design: Applications Level II - Technical aspects of design





[comstock@ashrae.org](mailto:comstock@ashrae.org)

+1 678-539-1102

Steve Comstock



Shaping Tomorrow's  
Built Environment Today

# Sub-Region A

Prepared by Khalid Al Mulhim, SRC

Presented By Nohad Boudani

Super CRC 2016 Bangkok

Sept 30<sup>th</sup> –Oct 2<sup>nd</sup>, 2016

# Achievements of the Sub-Region

- **Reactivating Bahrain Chapter:**
  - Given full support in the revival of Bahrain Chapter after pausing for 5 years.
  - Chapter delegate and alternate, and board officers are now attending the CRC.
  - The local numbers have increased.
  - We have already started membership drive with encouraging results. At present, Bahrain Chapter have around 30 student member with formation of a Student Branch in hand.

# Achievements of the Sub-Region

- **Forming new Chapter in Jordan to better serve our members**
  - Visited Jordan and meet with ASHRAE members to provide our continuous support and to encourage forming a new chapter.
  - A presentation delivered to highlight the chapter formation steps; steering committee and chapter officers roles and responsibilities.
  - During the visit ASHRAE members in Jordan has a total of 21 ASHRAE members. and we have 10 members whom there membership was not renewed.
  - We are working hard to promote new members to join to reach the number before November end. This time we have to finalize the chapter by next ASHRAE Winter meeting.
  - If not, may be a good option for Jordan to start out as a section under Lebanese Sponsorship since it only requires a total of 10 ASHRAE members and they could later become chapter when they reach 40 members in good standing.

# Achievements (of the Sub-Region and not SRC)

- **Falcon Chapter had successfully organized a visit for President Tim Wentz on 23<sup>rd</sup> and 24<sup>th</sup> March, 2016.** Mr. Tim Wentz ASHRAE President elect had a visit to Falcon Chapter along with Mr. Farooq Mehboob DRC of Region at Large the visit has been organized by Dr. Ahmed Alaa Eldin RVC-GGAC Region at Large and successfully meet several key organization- in UAE.
- **Saudi Chapter had promoted membership** via 2016 Saudi Arabian MEP Exhibition.
- **6<sup>th</sup> International Conference on Energy Research and Development in State of Kuwait, March 14-16, 2016,** Organized by Kuwait University (KU), ASHRAE. Many papers has been presented in different areas such as Energy Challenges, Renewable Energy, Thermal Comfort and IAQ , Cooling Technologies, Energy Management and Performance.
- **2<sup>nd</sup> International Conference on Efficient Building Design : Material and HVAC Equipment Technology in Lebanon, September 22-23, 2016,** Organized by American University of Beirut (AUB) and ASHRAE. The technical program covers several topics. The topics include but are not limited to:
  - Sustainable building designs
  - Energy efficiency standards
  - Building materials
  - Indoor air quality systems
  - HVAC and different technologies
  - Solar heating and cooling for the built environment
  - Systems for cooling and water production for hot humid climates

# MBOs to meet the ASHRAE strategy

MBO	Status	Due Date	MBO Comments
1. Forming new Section/Chapter in Jordan to better serve our members	Open	4 <sup>th</sup> Q 2016	<ul style="list-style-type: none"> <li>As of yet the necessary numbers of local members in Jordan did not reach to our anticipation to form a chapter.</li> <li>We are working hard to promote new members to join to reach the number before November end. This time we have to finalize the chapter by next ASHRAE Winter meeting and We make it happen...</li> </ul>
2. Assist RAL Sub Region A Strategic Planning Adhoc committee	New	4 <sup>th</sup> Q 2017	<ul style="list-style-type: none"> <li>Work with the committee to review how all our members in Africa can be served in the best way.</li> </ul>
3. Establish a new section/chapter in Alexandria , Egypt	Open	2 <sup>nd</sup> Q 2017	<ul style="list-style-type: none"> <li>Dr.Ahmed Alla is working closely with the local members and establishing communications to start the process to see the best fit to form a new section/chapter in Kenya.</li> </ul>
4. Assist Oman Section to become Chapter	Pending	2 <sup>nd</sup> Q 2017	<ul style="list-style-type: none"> <li>Due to financial issues and lack of ASHRAE members participation and time action plan with local section could not be achieved to increase membership to 50 members</li> </ul>
5. Possible Iraqi Chapter	Open	4 <sup>th</sup> Q 2017	<ul style="list-style-type: none"> <li>Try to work on how to increase the number of membership in Iraq and encourage more engineers to join ASHRAE.</li> </ul>

Thank  
you





## Sub Region B

Business Session

Bangkok CRC

2016

## BeNeLux Section Dissolved



**TECHNICAL  
DIFFICULTIES:**

## Ireland Section – What Happened

- First Board inaugurated in October
- Inauguration event held at Dublin Castle in February
- Increased Local Interest



## Ireland Section – To Come

- Visit of Timothy Wentz
- Event planned in Cork Technical College October
- CIBSE-ASHRAE collaborative event with both CIBSE-Ireland and ASHRAE-Ireland in March 2017
- Annual Event in planning Q2 2017
- Interest in ASHRAE Training and Certification ongoing
- Student Branches
- A new Chapter?



## UK Midlands Section – What Happened

- Fresh drive from Past President Steve Gill
- Bi-annual Air conditioning and Refrigeration trade show at NEC, Birmingham
- Loughborough University Event in April
- Collaborative Event in June with Multiple Partners
- Collaborative Event in September with CIBSE-ASHRAE and Energy Institute



ASHRAE UK Midlands Section

IOR  
ior.org.uk

BSRA  
Birmingham Society of Refrigeration & Air Conditioning

CIBSE  
West Midlands

UNIVERSITY OF BIRMINGHAM

BIRMINGHAM ENERGY INSTITUTE

## UK Midlands Section – To Come

- New Drive mirrored by new President Edward Murphy
- Visit of Tim Wentz to Loughborough University in October
- Collaborative Event in October
- Interest in ASHRAE Training and Certification ongoing
- Student Branches
- A new Chapter?



## Cyprus Section

- Ongoing connection
- Visit to be organized in 2016



Search ID: rman15066  
"It's from Cyprus — They  
need our help."

## SRB – What Happened

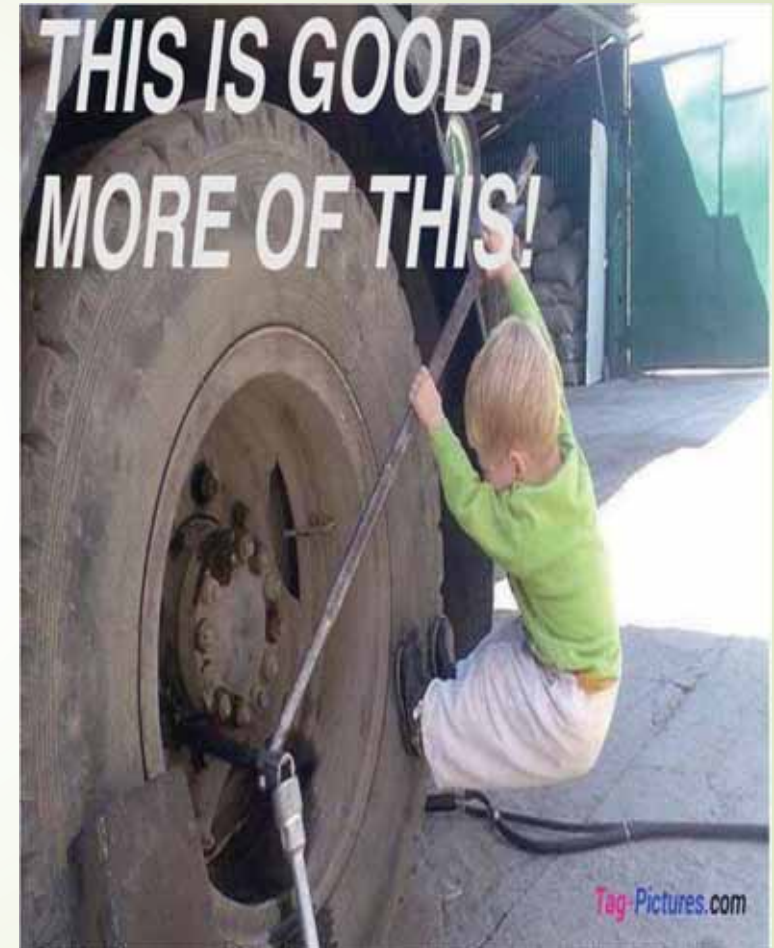
- ▶ Ad-Hoc for SRB formed for improved member engagement
- ▶ 2 x Multi Trip DL organized in 2016
- ▶ Connection made with YEA and CIBSE YEN for collaboration
- ▶ Monthly discussions with the Institute of Refrigeration and ASHRAE Midlands UK
- ▶ Developing initiative for technical events being streamed online
- ▶ Offered assistance and support to 2 European Universities currently participating in Solar Decathlon





## SRB – To Come (MBO)

- SRB Ad-Hoc Outcomes to be addressed
- More Multi Trip DL's to be organized in 2017
- Further assistance to Ireland and UK to gain Chapter status and initiate Student Branches
- Provide assistance for Cyprus
- Increase the number of participants in monthly call with IOR
- Develop initiative to stream technical events online
- A new Scottish Section?



## Commiserations US Ryder Cup





**THANKS  
FOR  
LISTENING**



### MBO FUNCTIONAL PLANNING GUIDE WORKSHEET

Region: Sub Region B  
 Prepared by: Ken Goodman  
 Position: Sub Region Chair

PRIORITY	OBJECTIVE	MEASUREMENT DEVICE (ACTION)	DUE DATE	STATUS AS OF 10\16
1	SRB Ad-Hoc Objectives	Respond to outcomes of Ad-Hoc	03\17	N/A
2	Assistance for Cyprus	Visit Section	12\16	In planning
3	New Scotland Section	New Section Formation	04\17	No Section
4	Increase Collaboration within Sub Region	<ul style="list-style-type: none"> <li>• Increase Technical Online Event Sharing</li> <li>• Increase Communication Between Chapters and Sections</li> <li>• Communication with Interested Partners</li> </ul>	07\17	Ongoing
5	Organize Multi Chapter DL Visit	Complete Multi Chapter DL Visit Logistics	07\17	N/A
6	Ireland and UK Section to develop to Chapter	New Chapter Status	07\17	Section Status
7	New Student Branches	New Student Branches	07\17	No student branches
8	Chapter Support	Visit Chapters in SRB	10\17	N/A
9	Support for Solar Decathlon	As requested from participants	10\17	Initial Offer of Support Made

Date prepared: September 2016

# SUB-REGION C - Chair

## Mohammad Abbas Sajid



Region at Large



# Review of 2015 - 2016

# Chapters



Region at Large

	Chapter / Section	No.	Country
1	India	158	India
2	Bangalore	169	India
3	Western India	163	India
4	Chennai	185	India
5	Pune	186	India
6	Mumbai	188	India
7	Deccan	191	India
8	Sri Lanka	171	Sri Lanka
9	Central Pakistan	189	Pakistan
10	Northern Pakistan	179	Pakistan
11	Pakistan	174	Pakistan
12	Bangladesh	197	Bangladesh



Region at Large



New Chapters

Bangladesh



New Student Branches





Region at Large

- \* Visits to Chapters:
  - Bangladesh
  - Pakistan
  - Northern Pakistan
  - Central Pakistan
  - Mumbai
- \* Vice Chair for CRC 2016 Bangkok
- \* Installation of BOG of Central Pakistan Chapter
- \* Installation of BOG of Northern Pakistan Chapter
- \* Attended BOG Installation of Pakistan Chapter
- \* Chartering of QUEST Student Branch, Larkana



Region at Large

- \* Conferences attended:
  - Pakistan HVACR Society Expo & Conference, Karachi –Pakistan, March 2016
  - ACREX, Mumbai- India, March 2016
  - SODEX Expo & Conf, Turkey



Region at Large

Conferences attended:

- POGEE 2016 Karachi Pakistan
  
- ASHRAE Winter Meeting  
Orlando
  
- ASHRAE Summer Meeting St  
Louis



Region at Large

## **Chartering of Bangladesh Chapter**

Date : 1<sup>st</sup> March 2016

Chartered by : ASHRAE President David Underwood

Members: 57

SRC, DRC Could not attend – Visa Issues

Participated through Skype

## MBO's



Region at Large

PRIORITY	OBJECTIVE	MEASUREMENT DEVICE (ACTION)	DUE DATE	STATUS AS OF 30 <sup>th</sup> sept 2016
	Strengthen Co operation between ASHRAE Chapters in Sub Region and AASA	Visit ACREX Feb 2016 and PHVACR Expo March 2016	Feb – March 2016	Achieved
	Chartering of Bangladesh Chapter March 2016	Chartering done on 1 <sup>st</sup> March 2016	1 <sup>st</sup> March 2016	Achieved
	Visit 3 Chapters of Sub Region to increase interaction with Regional Officers	Visit to India made on 23 <sup>rd</sup> Feb 2016 Visit to Bangladesh could not be made due to visa issues	23 <sup>rd</sup> Feb 2016 28 <sup>th</sup> Feb 2016	Completed
	Send sub regional Information to RAL website on regular basis	Send regular news to RAL webmaster		Ongoing
	Hold Joint meeting of Regional Chapters during Big 5 Show	Did not happen	Nov 2016	Done

MBO's



Region at Large

PRIORITY	OBJECTIVE	MEASUREMENT DEVICE (ACTION)	DUE DATE	STATUS AS OF 30 <sup>th</sup> sept 2016
	Strengthen Co operation between ASHRAE Chapters in Sub Region and AASA	Visit PHVACR Expo 2017 Lahore	30 <sup>th</sup> March 2016	Ongoing
	Visit 3 Chapters of Sub Region to increase interaction with Regional Officers	Visit to Sri Lanka 15 <sup>th</sup> March 2017 Visit to Bangladesh to attend conference Nov 2016 Visit to Central Pakistan and Northern Pakistan Chapters	15 <sup>th</sup> March 2017 1 <sup>st</sup> Nov 2016 November 2016 & February 2017	Ongoing
	Send sub regional Information to RAL website on regular basis	Send regular news to RAL webmaster		Ongoing
	Hold Joint meeting of Regional Chapters during Big 5 Show	Visit planned for November, 2016	Nov 2016	Ongoing
	Form 3 new student branches	Work with Chapter Presidents and Student Branch advisers to help form student branches	March 2017	Ongoing

Region at Large







# BOG Installation Ceremony 2016-2017

Region at Large



# RAL CRC 2016- Bangkok RAL CTTC Report

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*By*

**Mohammad Tassi,**

*BME, MEM, LEED AP, CxA, USGBC Faculty*

**RVC CTTC, RAL, ASHRAE**

Bangkok  
Oct 1, 2016



# OUTLINE

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- Introduction
- DL Allocations 2015-16
- New DL Allocations 2016-17
- MBO's & Achievements 2015-16
- New MBO's 2016-17




# Introduction

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- Farhan Mahboob has been appointed as Vice Chair for Society CTTC Committee
- Mohammad Tassi has been appointed as RVC CTTC for RAL
- RAL CTTC remains among the very active Regional Committees at Society level
- DL allocations have been increased from 16 to 20 DLs for RAL as of 2016-17

## Utilized DL Allocations 2015-16



Location	Allocated Visits	Non-Allocated Visits	Common Pool Visits	Total Visits
Pakistan / Northern Pakistan / Central Pakistan	2			2
Turkish / Ireland Section	1			1
Chennai		1		1
CRC-Turkish-RAL	2	1		3
Deccan		2		2
Deccan / Western India	1			1
Falcon / Sri Lankon	2			2
Hellenic / Portugal	1			1
Mumbai / Bangalore / Pune / Chennai / Deccan / Jaipur	1			1
Ireland Section	1			1
Kuwait				
Lebanese / Danube	1			1
Northern Pakistan / Central Pakistan	1			1
Pakistan / Northern Pakistan / Central Pakistan	1			1
Pune		1		1
Qatar Oryx		1		1
Spain	2			2
Bangalore / Mumbai / Pune / Chennai / Deccan / Jaipur	1			1
<b>Summary</b>	<b>17</b>	<b>6</b>	<b>0</b>	<b>23</b>

\* 9/17 = 52.9% of DL Visits were Multi Chapter Visits.

# New DL Allocations 2016-17

Nb	Chapter Name	Allocated Visits	Non-Allocated Visits	Type
1	India Chapter	1	2	Multi- Chapter
2	Chennai Chapter	1		Multi- Chapter
3	Deccan Chapter	1		Multi -Chapter
4	Mumbai Chapter	1		Multi-Chapter
5	Pakistan Chapter	1		Multi-Chapter
6	Falcon chapter	1		Single -Chapter
	Total Utilized	6	2	
	Total Remaining	14	Open	
	Total RAL Quota	20	Open	



# MBO Status / Achievements

---

S. No.	MBO	Status
1.	Two entries for awards from RAL.	Ongoing
2.	Create a CTTC Award at CRC	Ongoing
3.	75% Multi Chapter Visits	52.9% Multi Chapter Total DL visits for RAL = 18 (1 Non-Utilized)
4.	Create a Regional Programs Committee	Ongoing



## New MBO's (2016-17)

---

Update previous plans, and add some MBO's as follows:

1. Award Entries: Initiate Adhoc Committee to
  - a. Assess RAL potentials
  - b. Shortlist Proposed Candidates
  - c. Assist in filling applications
2. Promote Regional Programs and Events
3. Support RAL Conferences with DLs (3-5 DL's per year)
4. Maintain close communication with CTTC Chairs
5. Assist CTTC Chairs fill their PAOE's
6. Visit RAL Chapters
7. Benefit from new ARVCs CTTC in achieving MBOs





# Challenges

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- Lack of RAL applications for Society CTTC Awards
- Utilizing the total DL allocations by all chapters to maintain 20 allocations
- Visiting maximum number of RAL chapters (out of 25 RAL chapters)
- New CTTC Chairs are appointed 3 months before their training (at CRC)



# MEMBERSHIP PROMOTION Report

ASHRAE Annual CRC  
Bangkok-Thailand, September 30<sup>th</sup> 2016

**NASEER AHMAD**

Mech. Engineer

ASHRAE Northern Pakistan CHAPTER

ASHRAE RVC RAL - Membership Promotion



# Regional Activity

## Chapters (25)

Region at Large is the largest geographical region of ASHRAE. It represents more people (as per population) than any other and it crosses many boundaries and cultures. Region at Large provides a strong international flavor to ASHRAE. It is currently the biggest region in membership. It is also a fast-growing region in membership.

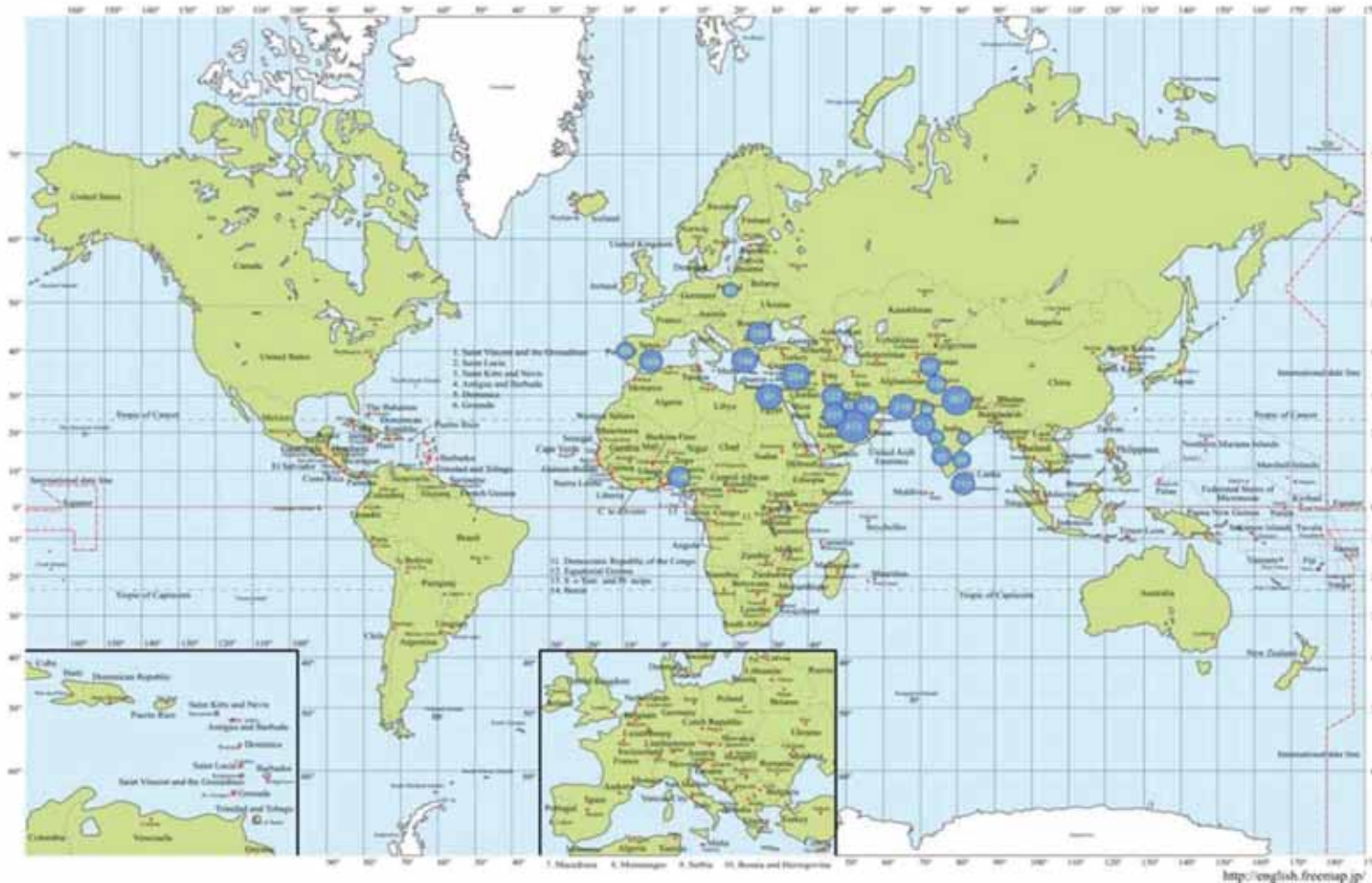
### Chapters

- Europe: Danube, Hellenic, Portugal, Spain & Turkey.
- Middle East: Bahrain, Falcon, Kuwait, Lebanese, Qatar & Saudi Arabia .
- Africa: Cairo & Nigeria.
- Pakistan: Pakistan, Northern Pakistan and Central Pakistan
- India: India, Western India, South India, Chennai, Pune, ASHRAE Mumbai & ASHRAE DECCAN.
- Sri Lanka: Sri Lankan
- Bangladesh: Bangladesh



# Regional Activity

## Geographical Location of Chapters





## CRC & Centralized Training

### CRC

CRC of Region at Large was held in Istanbul, Turkey, from October 2, 2015 to October 4, 2015. Membership Promotion Training Workshop was conducted. During the workshop about 12 MP chairs attended the workshop. The workshop was interactive where experiences, best practices and new concepts were discussed at length.

- A USB key from ASHRAE containing all pertinent MP material was presented to the chairs.
- Attendance was noted.
- There was a brief introduction of all present and during the workshops they were encouraged to share their experiences and opinioned on how to improve membership.



## RAL CRC ISTANBUL 2015

- **CRC - (continued)**
- Net increase in membership was discussed and individual targets were set by MP chairs. The MBOs set by RAL is to increase its membership by at least 2,0%, trying concurrently to reduce delinquency. Several chapters expect to improve on that.
- Ways to attract and involve young engineers (through YEA) and graduating students (through Smart Start) were discussed.
- PAOE points were discussed and chapters were encouraged to enter their appropriate points.
- Promotion of ASHRAE, not only in their chapters/countries, was discussed but in neighboring countries as well.



## Regional Highlights

### RAL Highlights:

RAL's membership as of July 1<sup>st</sup> , 2015 stands at **4741**. RAL's membership on June 30<sup>th</sup> 2016 was **4904**.

The goal for RAL for the year 2015-2016 will be set 2.00%. And we achieve 3.44%.



# Regional Highlights

## RAL Highlights – (continued)

Of interest is the that the RAL Sub-Regions have 1560 members not allocated to a chapter. Especially in Sub-Region B (Europe) there are 1280 members showing potential for chapter formation to cater for the needs of these members.

### **Chapters with the highest paid membership increase for July 2014 - May 2015**

- The highest increase was achieved by the ASHRAE DECCAN chapter with 53 net increase or **132.50 %**.
- The second highest increase was achieved by the INDIA Chapter with 46 net increase or **18.85%**.
- The third highest increase was achieved by the Chennai chapter with 12 net increase or **16.90%**.
- The fourth highest increase was achieved by the SRI LANKA Chapter with 135 net increase or **12.50%**.





# Regional Highlights

## RAL Highlights – (continued)

### Chapters with the highest paid membership increase from July 2015 to May 2016:

- The highest increase was achieved by the ASHRAE DECCAN chapter with 53 net increase or **132.50%**.
- The second highest increase was achieved by the INDIA chapter with 46 net increase or **18.85%**.
- The third highest increase was achieved by the ASHRAE FALCON chapter with 24 net increase or **4.56%**.
- The fourth highest increase was achieved by the QATAR ORYX Chapter with 21 net increase or **7.87%**.
- The fifth highest increase was achieved by the SRI LANKA Chapter with 13 net increase or **12.50%**.
- The sixth highest increase was achieved by the CHENNAI chapter with 12 net increase or **16.90%**.



## Delinquency Report

S#	Chapter	Chapter Code	Current (end of current Month)	Del	% Del
1	BAHRAIN	181	34	0	0.00
2	Bangladesh	197	53	0	0.00
3	DANUBE	176	108	1	0.94
4	PORTUGAL	177	75	2	2.60
5	LEBANESE	162	117	4	3.81
6	SRI LANKAN	171	119	4	3.85
7	SPAIN	182	182	7	4.05
8	TURKISH	193	101	4	4.08
9	NORTHERN PAKISTAN	179	60	3	4.11
10	HELLENIC	168	156	7	4.27
11	WESTERN INDIA	163	66	3	5.00
12	PAKISTAN	174	81	4	5.63
13	PUNE	186	96	8	6.35
14	QATAR ORYX	184	293	17	6.37
15	ASHRAE MUMBAI	188	102	7	6.73
16	ASHRAE FALCON	175	565	39	7.41
17	CENTRAL PAKISTAN	189	71	5	7.58
18	ASHRAE BANGALORE	169	95	7	8.05
19	INDIA	158	294	20	8.20
20	CAIRO	161	123	10	8.77
21	SAUDI ARABIA	160	215	21	10.29
22	CHENNAI	185	79	8	11.27
23	KUWAIT	164	66	8	11.59
24	ASHRAE NIGERIA	187	94	13	11.82
25	ASHRAE DECCAN	191	91	5	12.50



# Recommendations

Once again the biggest problem that RAL faces is **delinquency** and its members should act immediately on all three fronts.

## 1. Chapter

Chapter that has a diminishing membership should assign at least two or three members to assist the MP chair to reverse the trend. The board of the chapter should also take a personal interest in helping with membership.

## 2. Region

The Region has to take positive action and assist chapters that have a steadily decreasing membership by organizing visits from regional and society officers, help the chapter organize lectures and provide priority visits of the DLs assigned to the region.

## 3. Society

Society should assist chapters, especially in need, by providing pertinent material, DL visits, educational programs and in any way it sees fit.



... and finally  
I would like to thank you for your time and patience!

**NASEER AHMAD**  
ASHRAE RVC RAL - Membership Promotion



Region-at-Large

# Students Activities

*RVC Report, RAL CRC 2016*

Michel Hayek

# Agenda



- ✓ RAL Student Branches
- ✓ New Student Branches
- ✓ Goals and Actions
- ✓ Questions

# Student Branches (1/3)



Code	Chapter Name	Total Branches	Active Branches	Number of Students (Sep. 19, 2016)
158	INDIA	14	8	229
160	SAUDI ARABIA	0	0	4
161	CAIRO	3	1	36
162	LEBANESE	8	1	25
163	WESTERN INDIA	7	1	35
164	KUWAIT	2	2	39
168	HELLENIC	2	1	40
169	ASHRAE BANGALORE	9	6	135
171	SRI LANKAN	2	1	12
174	PAKISTAN	7	3	339

# Student Branches (2/3)



Code	Chapter Name	Total Branches	Active Branches	Number of Students (Sep. 19, 2016)
175	ASHRAE FALCON	3	1	37
176	DANUBE	7	3	60
177	PORTUGAL	3	1	3
179	NORTHERN PAKISTAN	16	12	181
181	BAHRAIN	0	0	35
182	SPAIN	0	0	2
184	QATAR ORYX	1	0	31
185	CHENNAI	3	0	126
186	PUNE	4	1	101
187	ASHRAE NIGERIA	2	1	122



# Student Branches (3/3)



Code	Chapter Name	Total Branches	Active Branches	Number of Students (Sep. 19, 2016)
188	ASHRAE MUMBAI	0	0	28
189	CENTRAL PAKISTAN	3	0	23
191	ASHRAE DECCAN	1	1	1
193	TURKISH	5	5	133
197	BANGLADESH	0	0	2
501	SUB-REGION A	1	0	8
502	SUB-REGION C	0	0	0
503	SUB-REGION B	2	1	71
<b>RAL</b>	<b>Total</b>	<b>105</b>	<b>50</b>	<b>1858</b>

# New Student Branches (01/26/2016)



Student Branch Name	Chapter Name	SBA
NITK Surathkal SB	ASHRAE BANGALORE	Puttaranga Setty Ashok
QUCEST Larkana SB	ASHRAE DECCAN	Hussain Sajjad
TEI of Western Macedonia SB	HELLENIC	Tsiamitros Dimitrios A.
Amity University SB	INDIA	Vates Umesh K
Poornima College of Engineering SB	INDIA	Kasera Shailendra
UPES SB	INDIA	Singh Yashvir
COMSATS Islamabad SB	NORTHERN PAKISTAN	Arshad Faisal
Fauji Foundation TTC RWP SB	NORTHERN PAKISTAN	Arif Adnan
MITCOE SB	PUNE	Mali Kundlik Vitthalrao
Istanbul Arel University SB	TURKISH	Yilmaz Deniz
Marmara University Mechanical Engineering SB	TURKISH	Onat Ayhan

# New Student Branches (06/28/2016)



Student Branch Name	Chapter Name	SBA
Dayananda College of Engineering SB	ASHRAE BANGALORE	
REVA University SB	ASHRAE BANGALORE	Jagadeesh L R
Sai Vidya Institute of Technology SB	ASHRAE BANGALORE	C Deepak
FUNAAB SB	ASHRAE NIGERIA	Kuye Sidikat Ibiyemi
University of Zagreb SB	DANUBE	Zakula Tea
Australian College of Kuwait SB	KUWAIT	Khanafer Khalil
CIIT Sahiwal SB	NORTHERN PAKISTAN	Khan Muhammad Bilal
Nazeer Hussain University SB	PAKISTAN	Qureshi Saqib Munawwar
University of Karachi SB	PAKISTAN	
<b>Total: 20 New SBs</b>		



# Grants & Competitions

Design  
Competition

7 Applications

Winner

- **Gazi University** (Turkey): 3<sup>rd</sup> in the Applied Engineering Challenge

Student  
Grants

11 Applications

Winners:

- **University of Algarve** (Portugal)
- **Capital University of Science and Technology** (Pakistan)
- **DY Patil** (India)

# Goals & Actions



- ✓ Reactivate inactive branches (SA Chairs already contacted)
- ✓ Charter New Branches
- ✓ Promote Student Membership (Smart Start Program)
- ✓ Conduct regular SA tasks (SA Committee Meetings and conference calls, CRC training/Centralized training of SA Chairs, competitions and grants, ...).

# Thank you



## Questions?

**The efforts of Mr. Hasan Sultan, Former RVC-SA, are greatly appreciated.**

# Grassroots Government Advocacy Committee Report

ASHRAE CRC Super Joint XIII & RAL CRC Bangkok ,  
29 September – 2 October 2016



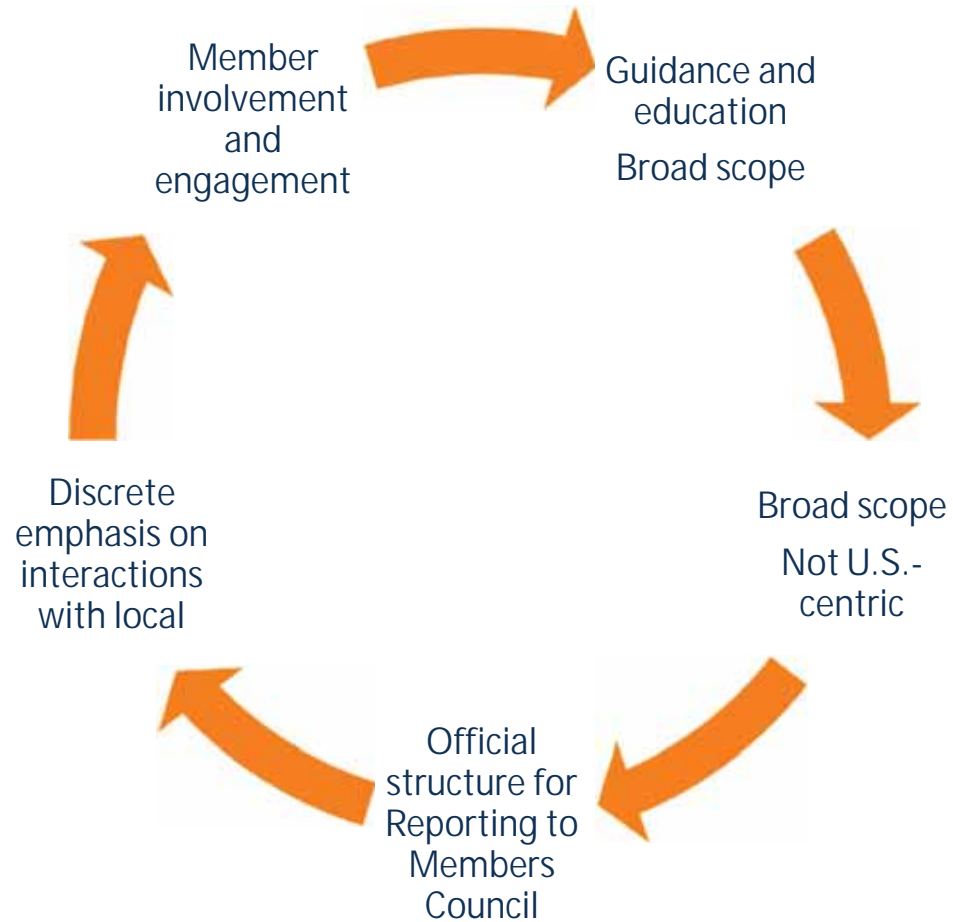
By: Maged Fouad Hashem 

Regional Vice Chair RAL

Grassroots Government  
Advocacy Committee 2016-  
2019



# The Main Cycle







**Nominated by:**  
**Society President**  
**Tim Wentz on**  
**March 22<sup>nd</sup>, 2016 to**  
**start from July 1<sup>st</sup>**  
**2016 to June 30<sup>th</sup>**  
**2019 as a:**  
**RVC – GGAC RAL**



All GGAC committee & all RVC's all over the world at New RVC's Members orientation and training & GGAC Active Outreach Subcommittee first meeting in St. Louis -Missouri state on June 24th & 25th ,2016



# Active Outreach Subcommittee in St. Louis -Missouri state on June 24th & 25th ,2016



# GGAC Responsibilities

Grassroots activities,

Issues that relate to local, state,  
federal and provincial government  
bodies in areas of interest to  
ASHRAE members,

Better coordinate efforts and  
understanding between ASHRAE  
grassroots members and local  
government.



# RAL Chapters

- + Bahrain
- + Egypt
- + UAE
- + Kuwait
- + Lebanon
- + Nigeria
- + Qatar
- + KSA
- + Greece
- + Romania
- + Portugal
- + Spain
- + Turkey
- + India (7 Chapters)
- + Pakistan (3 Chapters)
- + Sri Lanka
- + Bangladesh

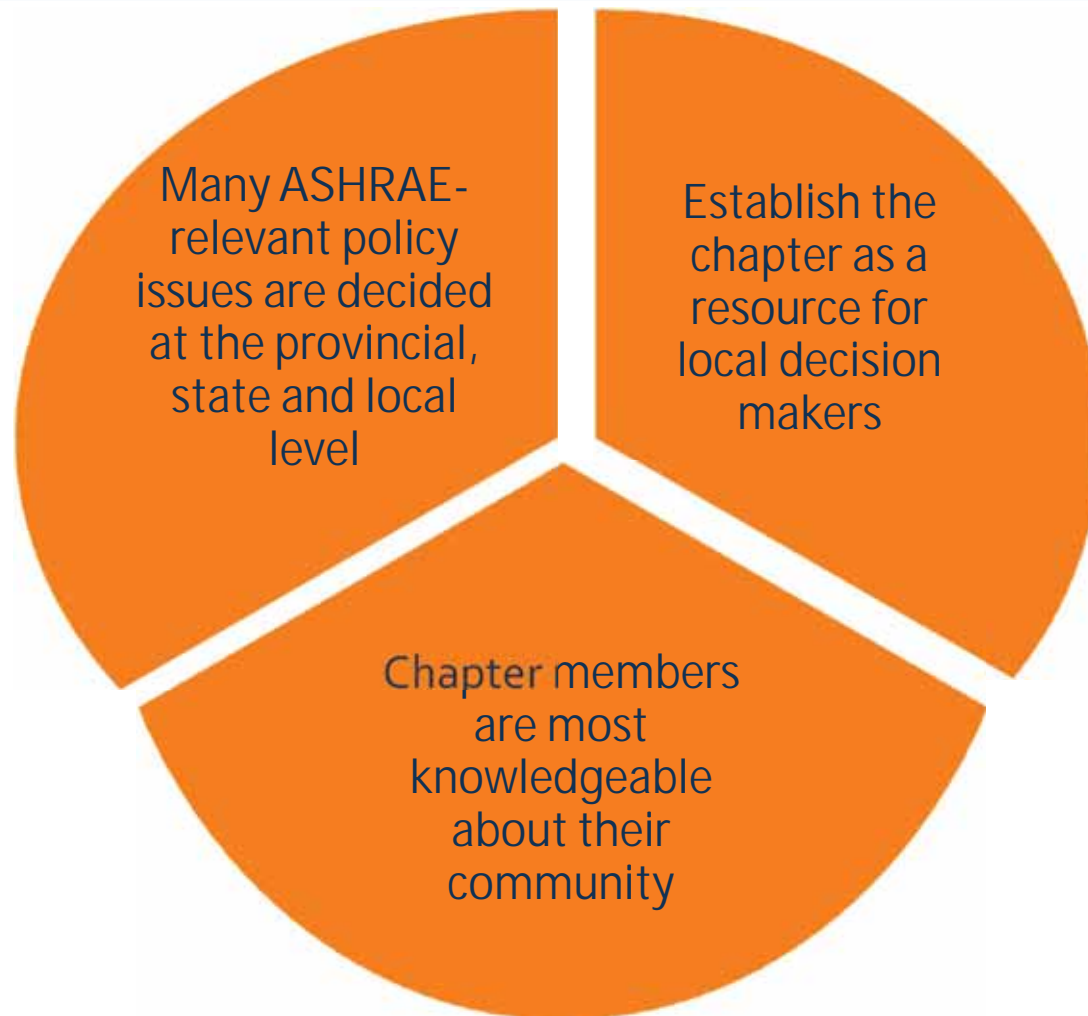


# Sections

- + Amaravathi (new)
- + Cyprus
- + East India
- + Faisalabad
- + Ireland
- + Jaipur
- + UK Midlands
- + Oman



# Where Does GGAC Fit In?



# How to communicate?





# Grassroots Relationships



- + Chapters and sections should develop relationships with local chapters of other organizations
  - + Institutes of Architects
  - + Building Owners and Managers Association
  - + International Code Council
  - + International Facilities Managers Assn.
  - + National Society of Professional Engineers
  - + Green Building Councils



# Grassroots Relationships

- + Joint meetings and networking events
- + Regular discussions about possible opportunities for collaboration
- + Technical programming
- + Working with policymakers to speak to ASHRAE core policy concerns that may impact their organizations as well



# Engagement with Policymakers

Serve as clearinghouse of grassroots government adoptions of ASHRAE- standards, guidelines, and positions

Encourage active, informed membership

Promote appointment of local members to local, provincial, state, federal governmental bodies



# Recommendations

Wide campaign to all GGA Chairs and Presidents of Chapters & Sections via concentrated emails to activate a clear action plan

Maintaining all achieved successes by our past RVAC GGA to sustain all MOU's , agreements and previous deals

Transferring all necessary media, tools and training materials to ensure the efficiency rise to all GGA chairs at 25 Chapters & 7 sections



# Recommendations

Implementing a schedule to 2-4 visits in our region before the upcoming winter meeting at Las Vegas (January 2017) ; to assist chapter in different areas in SRA, B & C based on priorities, ready governmental societies or needed awareness and approaches to be.

Scheduling a back to back conference calls with chapters and section on a weekly/monthly basis to measure the positive progress and/or to ensure our enhancements towards our targets.

Focusing on active chapters in parallel to passive ones to ensure the proper propagation towards Society Public Policy Priorities by launching to them a different subjects & topics to help in the shortest way towards public societies, syndicates and others such as :



# Public societies and syndicates

- + [Building Energy Data: A Critical Resource](#)
- + [Climate Change and Building Energy Efficiency](#)
- + [Consensus Standards: Expert Solutions to Meet National Needs](#)
- + [Energy Efficiency for Buildings and HVAC&R Equipment](#)
- + [Energy Use Metrics and Targets for Commercial Buildings](#)
- + [Research and Development Needs to Meet National Goals](#)
- + [Science, Technology, Engineering and Mathematics Education & Competitiveness](#)
- + [Commercial Building Energy Use Disclosure](#)



# Recommendations



Creating back to back channels and links between the Society Staff resident in Washington DC all chapters GGA chairs to focus for :

Living in Environmental Harmony without Compromise: The Promise and Reality of High-Performance, Green Buildings

Indoor Environmental Quality and Improving Building Occupant Health, Comfort, and Productivity While Increasing Building Energy Efficiency

National and sub national governments to be a partner in accelerating progress towards buildings by enacting, implementing, and enforcing policies that encourage the use of these products and services.

Elementary and Secondary Education: The Need for Science, Technology, Engineering, and Mathematics





**Region-at-Large**  
"Where Things Happen"

**Thank You For Your  
Attention**





# **RAL RP Report 2015-2016**

Mahmoud Fouad, PhD

RAL RP RVC

September 2016

# General Comments

- Very low RP contributions has characterized RAL 2015-2016 overall RP support
- This does not contradict with the fact that some chapters and one sub-region have made great RP contributions to whom I am very much gratified.
- From experience gained, some suggestions are made here to ameliorate the present year's RP contributions sustenance.

# Chapters RP contributions and ranking

- Chapters contributions are ranked in two ways
  - 1- According to the absolute amount of the RP contributions
  - 2- According to the percentage of the RP contributions to their goals

# 1- Ranking By absolute amount of Contribution

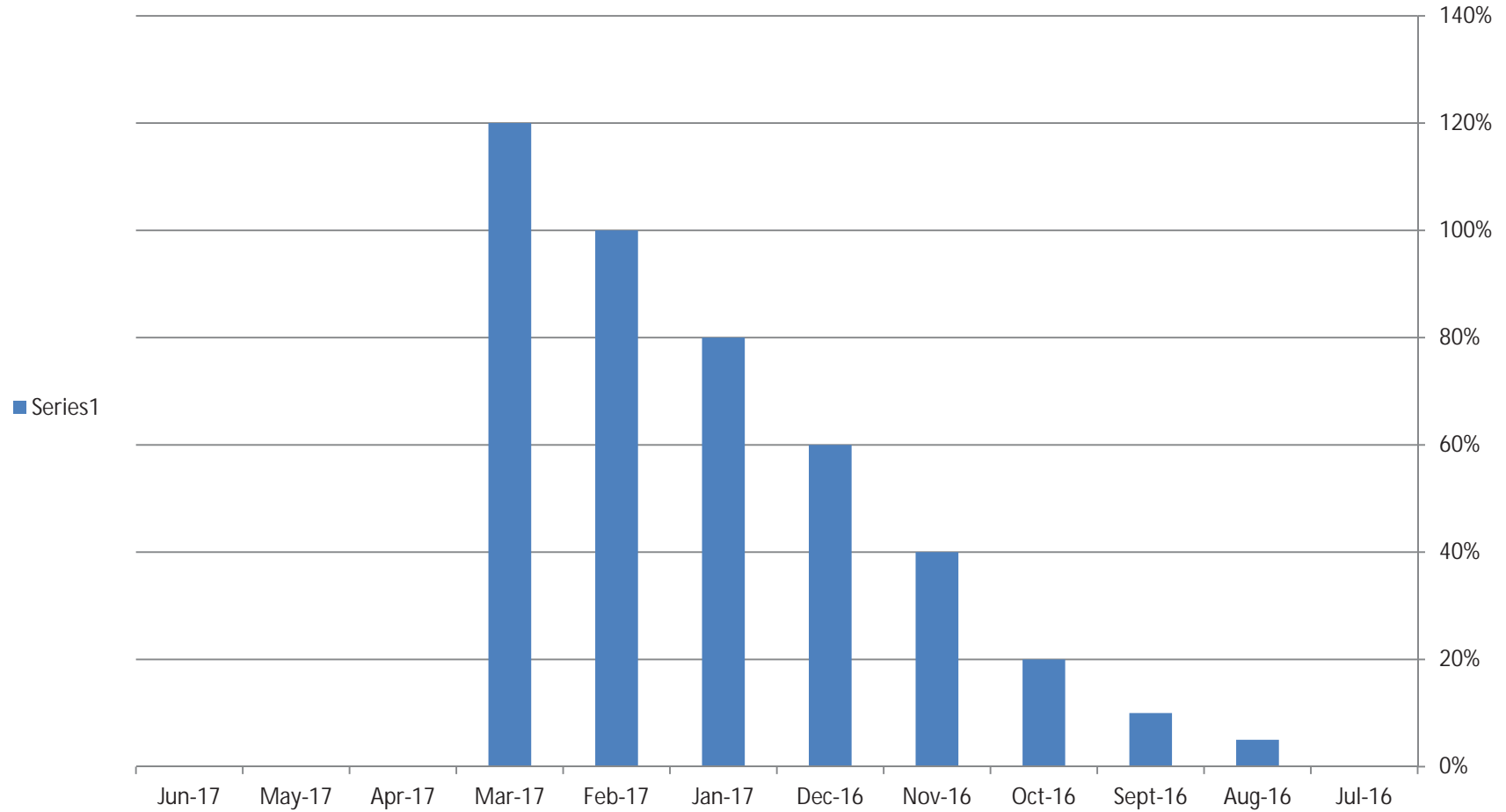
Rank (Based on Value of Contribution)	Chapter	RP Contribution (\$)	Goal (\$)	Percentage of Goal
1	ASHRAE Falcon	\$5,366	\$ 5,260	102.0%
2	Mumbai	\$1,950	\$ 1,600	121.9%
3	India	\$1,300	\$ 4,500	28.9%
4	Bangalore	\$1,150	\$ 900	127.8%
5	Cairo	\$1,140	\$ 1,140	100.0%
6	Danube	\$1,025	\$ 1,060	96.7%
7	Deccan	\$800	\$ 500	160.0%
8	Pune	\$710	\$ 1,260	56.3%
9	N. Pakistan	\$700	\$ 730	95.9%
10	Qatar Oryx	\$698	\$ 5,700	12.2%
11	Sri Lankan	\$600	\$ 1,040	57.7%
12	Chennai	\$535	\$ 710	75.4%
13	Western India	\$500	\$ 800	62.5%
14	Hellenic	\$500	\$ 1,640	30.5%
15	Pakistan	\$400	\$ 710	56.3%
16	Portugal	\$350	\$ 770	45.5%
17	Nigeria	\$280	\$ 2,000	14.0%
18	Lebanese	\$200	\$ 1,050	19.0%
19	Spain	\$100	\$ 1,730	5.8%
20	Saudi Arabia	\$75	\$ 2,040	3.7%
21	Bahrain	\$30	\$ 500	6.0%
22	Turkish	\$28	\$ 980	2.9%
23	Kuwait	\$0	\$ 1,000	0.0%
24	Cen Pakistan	\$0	\$ 660	0.0%
25	Bangladesh	\$0	\$ 2,760	0.0%
	SubRegion A	\$150		N/A
	SubRegion C	\$0		N/A
	SubRegion B	\$2,706		N/A
	Other 14	\$0		N/A
	<b>REGIONAL TOTAL</b>	<b>\$21,293</b>	<b>\$ 41,040</b>	<b>51.9%</b>

## 2- Ranking by Percentages of goals

Rank (Based on Percentage)	Chapter	RP Contribution (\$)	Goal (\$)	Percentage of Goal
1	Deccan	\$800	\$ 500	160.0%
2	Bangalore	\$1,150	\$ 900	127.8%
3	Mumbai	\$1,950	\$ 1,600	121.9%
4	ASHRAE Falcon	\$5,366	\$ 5,260	102.0%
5	Cairo	\$1,140	\$ 1,140	100.0%
6	Danube	\$1,025	\$ 1,060	96.7%
7	N. Pakistan	\$700	\$ 730	95.9%
8	Chennai	\$535	\$ 710	75.4%
9	Western India	\$500	\$ 800	62.5%
10	Sri Lankan	\$600	\$ 1,040	57.7%
11	Pune	\$710	\$ 1,260	56.3%
12	Pakistan	\$400	\$ 710	56.3%
13	Portugal	\$350	\$ 770	45.5%
14	Hellenic	\$500	\$ 1,640	30.5%
15	India	\$1,300	\$ 4,500	28.9%
16	Lebanese	\$200	\$ 1,050	19.0%
17	Nigeria	\$280	\$ 2,000	14.0%
18	Qatar Oryx	\$698	\$ 5,700	12.2%
19	Bahrain	\$30	\$ 500	6.0%
20	Spain	\$100	\$ 1,730	5.8%
21	Saudi Arabia	\$75	\$ 2,040	3.7%
22	Turkish	\$28	\$ 980	2.9%
23	Kuwait	\$0	\$ 1,000	0.0%
24	Cen Pakistan	\$0	\$ 660	0.0%
25	Bangladesh	\$0	\$ 2,760	0.0%
	SubRegion A	\$150		N/A
	SubRegion C	\$0		N/A
	SubRegion B	\$2,706		N/A
	Other 14	\$0		N/A
	<b>REGIONAL TOTAL</b>	<b>\$21,293</b>	<b>\$ 41,040</b>	<b>51.9%</b>

**Suggested Pattern of Chapters RP  
Contributions of each Chapter  
Throughout the present year 2016-  
2017**

# Suggested Pattern of Contributions Throughout the year 2016-2017



# Final Remarks (I)

- Chapters are encouraged to distribute their contributions on a monthly bases according the suggested pattern, with the final three months of the year left for contributions higher than 120% of the goals.
- Monthly contributions can be done online
- Contributions higher than 120% are highly encouraged to make up for other chapters (Even higher PAOE points are suggested).
- In this way monthly revisions of achievements can be reviewed (more frequently).
- Following this pattern may have a great impact on the PAOE points for the chapters



## Final Remarks (II)

- I suggest adding regional awards for chapters that will follow this suggested pattern and finish their RP involvement early.
- Support can be extended to the Chapters with low RP contributions, to find ways for enhancing their achievements.
- To solve the problems of lack of contributions from some sub-regions, new RP ARVCs may embark on the encouragements of the RP collections from their sub-regions

**Thank You**

# YEA Young Engineers In ASHRAE

*Report 2016 - 2017 CRC,  
Bangkok, Sep. 30th – Oct. 2nd*

*Dr. Ioanna V. Deligkiozi*

Chemical Engineer, NTUA, B.Sc., M.Sc., PhD

President 2016 - 2017

YEA RAL Coordinator 2015- 2017

Page 1 of 20

# ATTACHMENT L *Regional Activity*



Region at Large is the *largest geographical* region of ASHRAE. It represents more people (as per population) than any other Region and it crosses *many boundaries and cultures*. Region at Large provides a strong international flavor to ASHRAE.

Chapters (25)	
Europe	Danube, Hellenic, Portugal, Spain & Turkish
Middle East	Bahrain, Falcon, Kuwait, Lebanese, Qatar & Saudi Arabia
Africa	Cairo & Nigeria
Pakistan	Pakistan, Northern Pakistan and Central Pakistan
India	India, Western India, South India, Chennai, Pune, Mumbai & Hyderabad
Sri Lanka	Sri Lankan



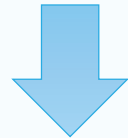
**8 Sections**  
East India, Jaipur, Cyprus, Oman, UK-Midlands, Faisalabad, Ireland, Amarvathi

# Young Engineers in ASHRAE (YEA)

ATTACHMENT L



*YEA Committee Chair – Caleb Haynes  
Vice Chair – Jake Kopocis*



*Regional Coordinators – 14 “YRC’s”  
– one for each Region*



*YEA Chapter Chairs– 25 “YCC’s” –  
one for each Chapter*

## *The YEA Institute*

*To help **develop your skills, grow as a professional and expand your network**, the YEA Institute was created to offer a variety of YEA-focused **education and networking** programs tailored to YEA specific needs*

# YEA Chapter Chairs (YCC)

ATTACHMENT-L



*A YEA Chapter Chair is responsible for **identifying** the YEA membership within their chapter (ASHRAE members 35 and under), **recruit** new YEA members, and act as a **guide** to all that ASHRAE has to offer.*

*Get YEA members involved and help them to identify all ASHRAE benefits and particularly how the YEA Institute can enhance their ASHRAE experience.*

# RAL YEA in Numbers

ATTACHMENT-L



	2014-2015	2015-2016	2016-2017
YEA Members	N/A	876 (127)	928 (131)
YCCs	8	11→13	19→20

RAL 25 Chapters



YRC RAL 2016-2017



Carine Georges Saliba, YCC Falcon Chapter 2016-2017



Shriraj Dhaku, YCC Deccan Chapter 2016-2017



Muhammad Raees Khan, YCC NORTHERN PAKISTAN 2016-2017



Ashu Gupta, Eng YCC Indian Chapter 2015-2017



Ife-olawa David Adegoke, YCC Nigeria Chapter 2016-2017



Mohammed Ali Yassin EL hetamy, Eng YCC Cairo Chapter 2016-2017



Srinivas Kodea, YCC Bangalore Chapter 2016-2017



Shrey Mahajan, YCC Mumbai Chapter 2016-2017



Samir Charles Sawaya, YCC Lebanese Chapter 2016-2017



Dhvani Mehta, YCC WESTERN INDIA Chapter 2016-2017



Charalampos Giannikopoulos, YCC Hellenic Chapter 2016-2017



Nikolaos Spiridonos Giannitannas, YCC Hellenic Chapter 2016-2017

Prof Robert Gavriluc, YCC Danube Chapter 2016-2017

Thushan Sanjeeva Rathnayake, YCC Sri Lanka Chapter Co-Chair 2016-2017

Raju Bhat, Eng YCC Co-Chair Indian Chapter 2015-2017

Mohamad Rafiq Ghabieh, YCC BAHRAIN Chapter 2016-2017

Kavinda Jayakody, YCC Sri Lanka Chapter 2016-2017

Suhail Duvadla, YCC QATAR ORYX Chapter 2016-

Cibi Chakravarty, YCC Chennai Chapter 2016-2017

Rajesh Subburaj, YCC Chennai Chapter Co-Chair 2016-2017

Akshay Natan Pahade, YCC Pune Chapter 2016-2017

Muhammad Faeem Shahbaz, YCC Central Pakistan Chapter 2016-2017

Imel Uzun, YCC Turkish Chapter 2016-2017

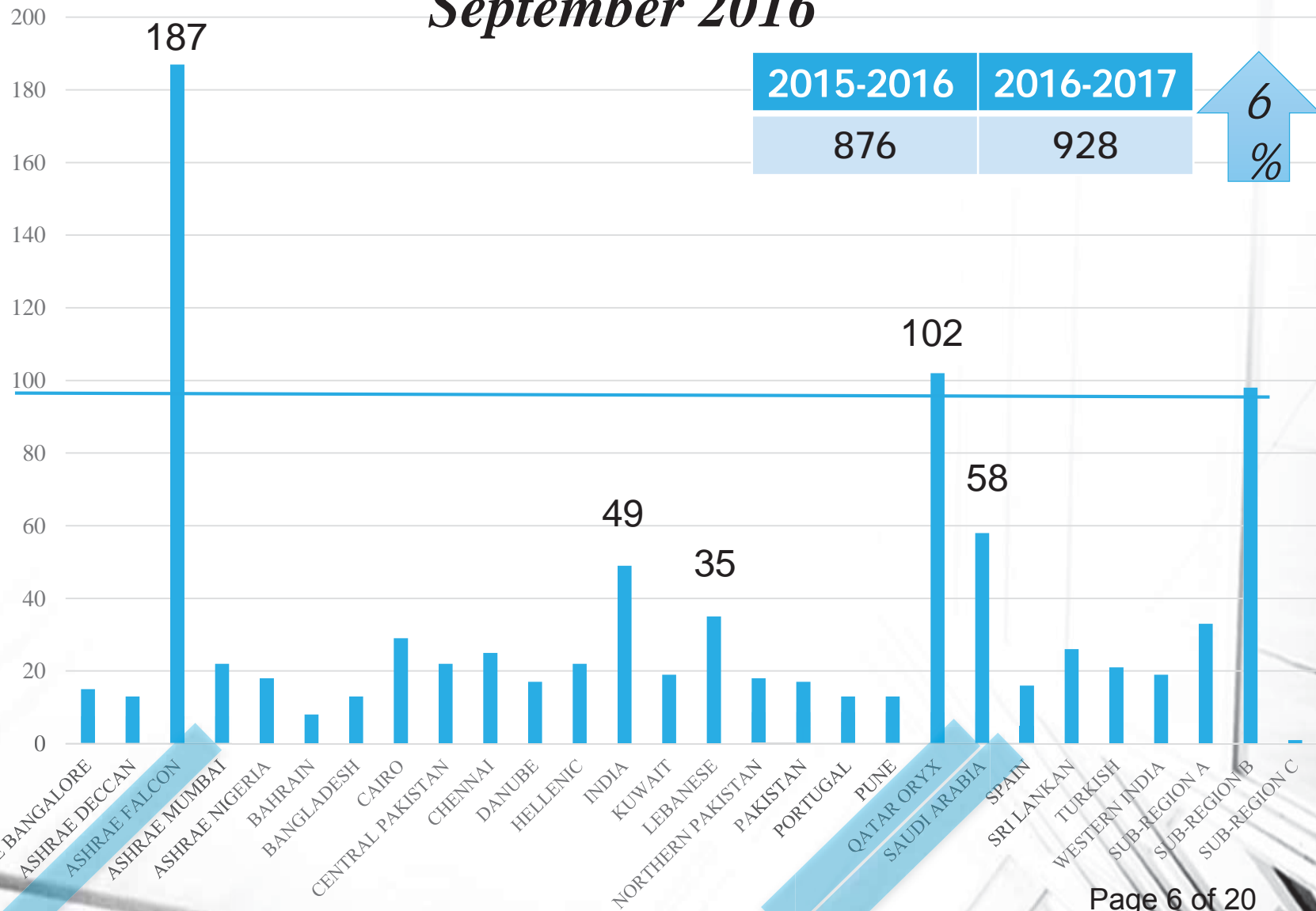
Mohammed Haider Herzallah, Eng., YCC Falcon Chapter Co-Chair 2016-2017

# RAL Total YEA Members

ATTACHMENT-L



## September 2016



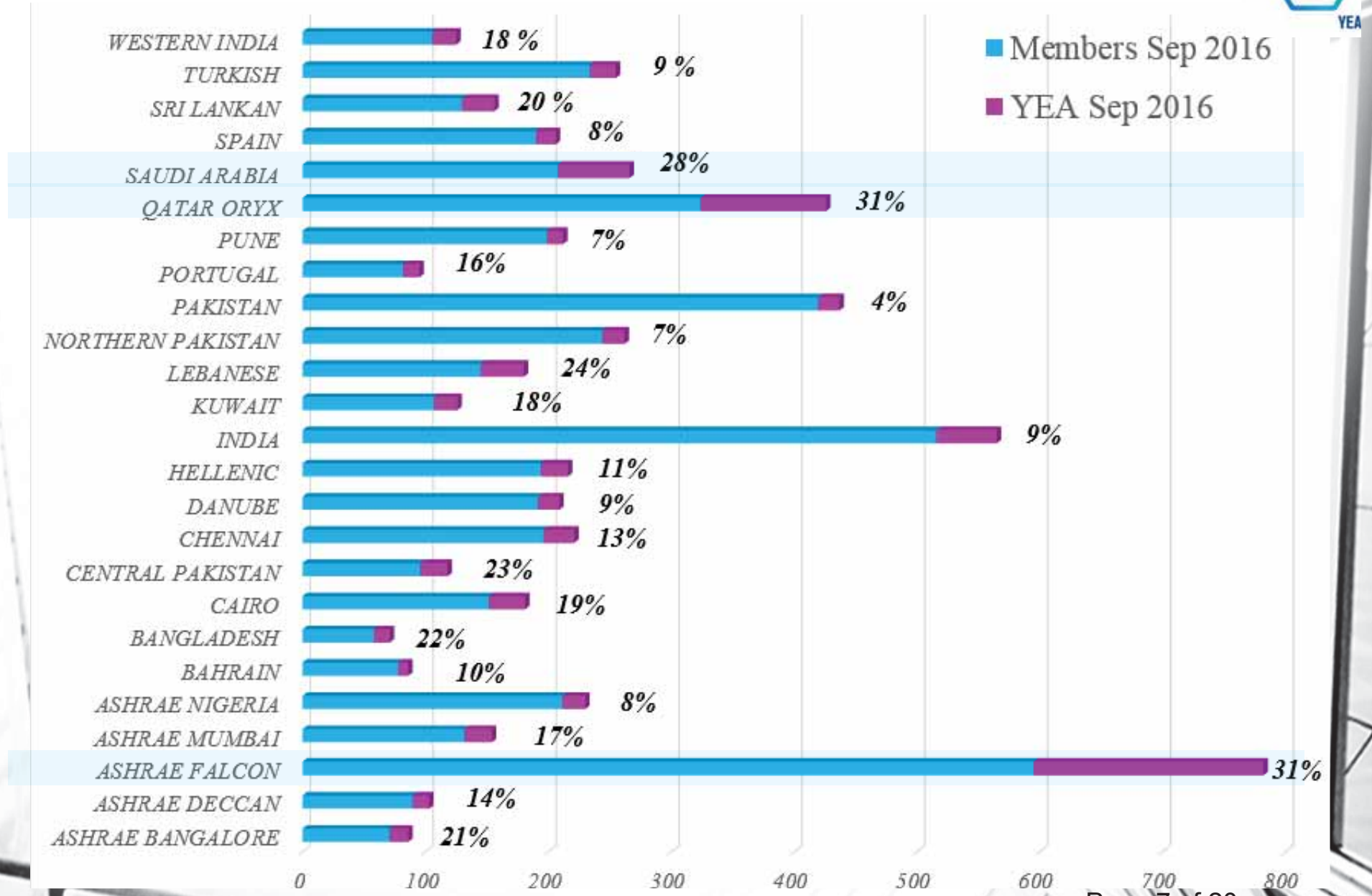
2015-2016	2016-2017
876	928

6% ↑



# YEA % Members

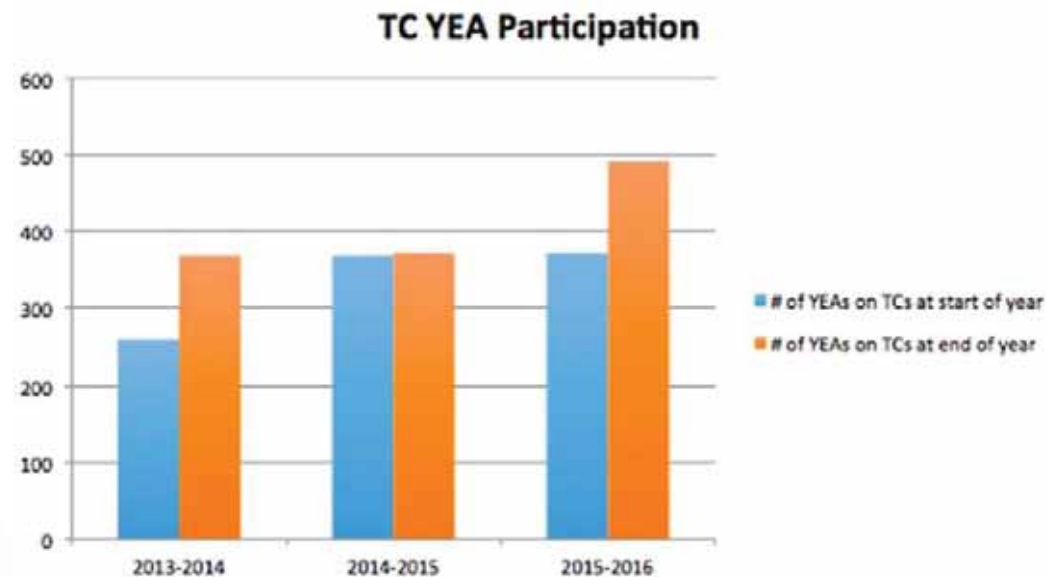
ATTACHMENT 1



# YEA COMMITTEE ATTACHMENT L YEA Committee MBO 2015 - 2016



- Increase YEA membership by 15% (8,720 to 10,037) → 9,420; Actual 8% increase
- Increase number of YEA members participating on TCs by 15% (371 to 427) → Complete: 524; Actual 41.2% increase
- Increase number of YEA Chapter Chairs (YCCs) by 5% (113 to 119) → Complete: 140; Actual 23.8% increase
- SmartStart program transfer is up 20%



# YRC MBOs 2015-2016

ATTACHMENT-1



PRIORITY	OBJECTIVE	MEASUREMENT DEVICE (ACTION)	DUE DATE	STATUS AS OF: 18-09-16
1.	Attend the YLI 2015 in GOA	Communicate with all YEA participants as a follow-up action and inform them about the importance to have a YCC	Dec. 2015	Completed
2.	LeaDRS 2015	Form a Committee to Nominate three RAL YEA Members for YEA Leadership Program. Nominate applicant and assist him to complete all necessary actions.	Nov. 2015	Completed
3.	1 <sup>st</sup> YCC reporting period	<ol style="list-style-type: none"> <li>1. Complete the 1<sup>st</sup> round of communication with all YCCs.</li> <li>2. Already the YCCs have been provided with their reporting forms and PAOE instruction docs.</li> <li>3. The target is to gather as many as possible YCC reports and compile the YRC reporting.</li> </ol>	Jan 2016	<ol style="list-style-type: none"> <li>1. Completed</li> <li>2. Completed</li> <li>3. Completed</li> </ol>
4.	Increase the number of YCC attending the CRC	<ol style="list-style-type: none"> <li>1. Communicate and persuade participation of the YCCs at the CRC.</li> <li>2. Additional target will be to involve more YCCs and thus achieve an participation increase by a factor of 20%</li> </ol>	Aug. 2016	<ol style="list-style-type: none"> <li>1. Completed</li> <li>2. Completed</li> </ol>
3.	Increase the number of YCC in RAL	Communicate the importance of YCC to chapter leadership. This will have as an effect the incensement of chapter level participation and awareness. The target will be to increase the number of YCCs by at least 10%	June 2016	Completed
4.	YLI 2016	The participation of RAL YEA members in the YLI is of crucial importance for our region's future leadership. The target is to have 2-3 additional YEA members from RAL as well as 1-2 from Region 13.	Sep 2016	Completed
5.	Explore the potentials to increase student transfer	Communicate with MP and SA about the student transfer (SmartStart Program) and establish a collaboration. The target is to have an increase of 5-10%	June 2016	Pending
6.	Establish RAL YEA information channels through social media	Develop a YEA partition at the RAL webpage, there all the YEA Institute related news will be updated and will be easy access by YEA members. Also program announcements and dissemination material will be easy updated and accessed through LinkedIn, Facebook and RAL & chapter web pages.	June 2016	Completed
7.	2 <sup>nd</sup> YCC reporting period	<ol style="list-style-type: none"> <li>1. Complete the 2<sup>nd</sup> round of communication with all YCCs.</li> <li>2. Already the YCCs have been provided with their reporting forms and PAOE instruction docs.</li> <li>3. The target is to gather as many as possible YCC reports and compile the YRC reporting.</li> </ol>	June 2016	<ol style="list-style-type: none"> <li>1. Completed</li> <li>2. Completed</li> <li>3. Completed</li> </ol>
8.	LeaDRS 2016	Ensure the continuation of the LeaDRS program. Form a Committee to Nominate three RAL YEA Members for YEA Leadership Program. Nominate applicant and assist him to complete all necessary actions. The target is to seek and nominate 1 ASHRAE member from RAL to participating at a society meeting.	October 2016	Completed
9.	Leadership-U 2016	Work towards the participation of 1 YEA member at the Society meeting through Leadership-U. YEA membership is growing, but it would be good to see an equal growth in the participation of YEA members at Society conferences to help encourage their involvement.	September 2016	Completed

# YRC MBOs 2016-2017

ATTACHMENT 1



	OBJECTIVE	MEASUREMENT DEVICE (ACTION)	DUE DATE	STATUS AS OF: 19-09-16
1.	<b>YLI 2016 in Athens</b>	Communicate with all YEA /YCCs / Chapter Presidents & Elects. Preparation for the event	Sep. 2016	Completed
2.	<b>LeaDRS 2017 Winter Conference</b>	Nominate two RAL Member for LeaDRS Program. Assist the LeaDRS to complete all necessary actions.	Nov. 2016	1. Pending
3.	<b>1<sup>st</sup> YCC reporting period</b>	<ol style="list-style-type: none"> <li>1. Complete the 1<sup>st</sup> round of communication with all YCCs.</li> <li>2. Already the YCCs have been provided with their reporting forms and PAOE instruction docs.</li> <li>3. The target is to gather as many as possible YCC reports and compile the YRC reporting.</li> </ol>	Jan 2017	<ol style="list-style-type: none"> <li>1. Pending</li> <li>2. Pending</li> <li>3. Pending</li> </ol>
4.	<b>Increase the number of YCC in RAL</b>	Communicate to chapter leadership the importance of having YCC. This will have as an effect the incensement of YEA participation and awareness. The target will be to increase the number of YCCs by at least 10%	June 2017	1. Pending
5.	<b>LeaDRS 2017 Annual Conference</b>	Nominate RAL Member for LeaDRS Program. Assist the LeaDRS to complete all necessary actions.	Apr. 2017	2. Pending
6.	<b>Upcoming YLI 2017</b>	The participation of RAL YEA members in the YLI is of crucial importance for our region's future leadership. The target is to have 2-3 additional YEA members from RAL as well as 1-2 from Region 13.	2017	1. Pending
7.	<b>Explore the potentials to increase student transfer</b>	Communicate with MP and SA about the student transfer (SmartStart Program) and establish a collaboration. The target is to have an increase of 5%	June 2017	2. Pending
8.	<b>Maintain RAL YEA information channels through social media</b>	Maintain the YEA partition at the RAL webpage, all the YEA Institute related news will be updated and will be easy access by YEA members. Also program announcements and dissemination material will be easy updated and accessed through LinkedIn, Facebook and RAL & chapter web pages.	June 2017	Under Progress
9.	<b>2<sup>nd</sup> YCC reporting period</b>	<ol style="list-style-type: none"> <li>1. Complete the 2<sup>nd</sup> round of communication with all YCCs.</li> <li>2. Already the YCCs have been provided with their reporting forms and PAOE instruction docs.</li> <li>3. The target is to gather as many as possible YCC reports and compile the YRC reporting.</li> </ol>	June 2017	<ol style="list-style-type: none"> <li>1. Pending</li> <li>2. Pending</li> <li>3. Pending</li> </ol>
10.	<b>Leadership-U 2017</b>	Encourage YEA for their participation at the Society meeting through Leadership-U.	June. 2017	1. Pending
11.	<b>Increase the number of YCC attending the CRC</b>	<ol style="list-style-type: none"> <li>1. Communicate and persuade participation of the YCCs at the CRC.</li> <li>2. Additional target will be to involve more YCCs and thus achieve an participation increase by a factor of 10%</li> </ol>	Sep. 2016	<ol style="list-style-type: none"> <li>1. Pending</li> <li>2. Pending</li> </ol>
12.	<b>Three monthly YEA contribution at RAL newsletter</b>	<ol style="list-style-type: none"> <li>1. Q1 Communicate and collect from YCCs highlights of YEA Chapter events</li> <li>2. Q2 Communicate and collect from YCCs highlights of YEA Chapter events</li> <li>3. Q3 Communicate and collect from YCCs highlights of YEA Chapter events</li> <li>4. Q4 Communicate and collect from YCCs highlights of YEA Chapter events</li> </ol>	Sep. 2016	<ol style="list-style-type: none"> <li>1. Completed</li> <li>2.</li> <li>3.</li> <li>4.</li> </ol>

# What is your YRC doing?

ATTACHMENT L

- ✓ Represent RAL in Regional & Society meetings
- ✓ Draft Reports
- ✓ Nominations
- ✓ Newsletter contribution
- ✓ Contacts YCC's
- ✓ Assists YCC's
- ✓ Social media

## YRC 2015 - 2016

2015 YLI —

Dec. 2016 | GOA, India

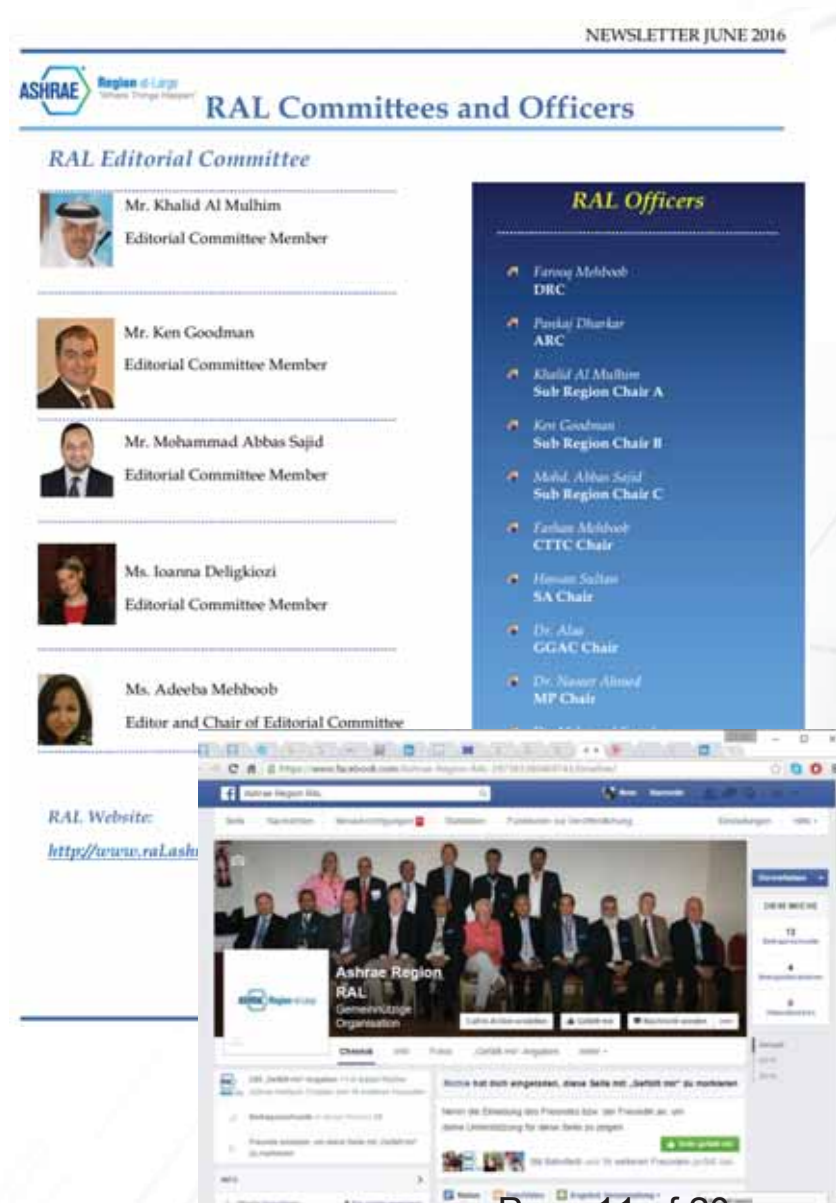
2016 ASHRAE Winter Conference —

January 2016 | Orlando, FL, USA

2016 ASHRAE Annual Conference — June

2016 | St Louis, MO, USA

2016 YLI — Sept. 2016 | Athens, Greece



# RAL YEA Actions & Achievements

ATTACHMENT 1



Action	#
YLI 2015	15
1 <sup>st</sup> YCC reporting period	6
2 <sup>nd</sup> YCC reporting period	9
What Apps do members need	9
LeaDRS Winter 2016	9
LeaDRS Annual 2016	10
RAL Newsletter June 2016	10
RAL Newsletter Sept 2016	5
Leadership U	1
ASHRAE College of Fellows Travel Award	1
YEA reduced fee for CRC 2016	done
YEA assigned PAOE	11
YLI 2016	14 (20 registered, visa)

# Communication

ATTACHMENT L



- ✓ Emails (Periodic Communication referencing YEA opportunities)
- ✓ WHATS APP, LinkedIn & FB
- ✓ Personal Contact: (CRC, Annual & Winter Conferences, YLI & Phone Calls)

## RAL YEA expanding through Social Media

RAL YEA: [RAL Young Engineers in Ashrae YEA](#)

YEA KUWAIT CHAPTER: [YE Ashrae](#)

YEA CAIRO CHAPTER: [YEA activities of CAIRO Chapter](#)

YEA HELLENIC CHAPTER YEA: [Yea Hellenic Chapter Ashrae](#)

## YEA Committee YLI

[https://www.youtube.com/watch?time\\_continue=4&v=jkEErgJB8Qw](https://www.youtube.com/watch?time_continue=4&v=jkEErgJB8Qw)

## YEA 2015-2016 Cairo

<https://www.youtube.com/watch?v=e9CEDPDIPZk&feature=share>



# What are our YCC's doing?

ATTACHMENT-I



YEA India Chapter tour at Manali July 2016



YEA Hellenic Chapter EinB 2016 2016

YEA Deecan Chapter, Workshop on CRD Simulation for Improving Energy Efficiency at 2016



Kuwait Chapter, YEA & students Visiting COOLEX A/C manufacturing factory



YEA ASHRAE CAIRO Chapter award Ceremony. More than 10 YEA joined together for the outdoor event. Certificate of appreciation for CTC chair & co chair with YEA who are volunteering in this committee.



YEA Cairo Chapter



# RAL YEA<sup>s</sup> at ASHRAE conferences

ATTACHMENT-I



Ashu Gupta (Indian Chapter) RAL YEA  
LeaDRS 2016 nominee at the Winter  
Conference Orlando



Aleksandar Andjelkovic (Danube  
Chapter) RAL YEA LeaDRS 2016 nominee  
at the Annual Conference St.Louis



Anoop Peediayakkan (Kuwait Chapter)  
RAL YEA LeadershipU 2016 at the  
Annual Conference in St.Louis



# ATTACHMENT 1 Young Leadership International (YLI)



YEA



**YEA Leadership International (YLI)**  
9-11 September, 2016 in Athens, Greece



- ✓ 2012 Colombo
- ✓ 2013 Dubai
- ✓ 2014 Kuala Lumpur
- ✓ 2015 GOA (15YEA/4YCC)
- ✓ 2016 Athens (14YEA/4YCC)

**YEA Leadership International 2015**  
Goa, India, 11 Dec – 13 Dec

The 3 days sessions were mainly focused on:

- Understanding the big picture.
- Identify where you are right now and where you want to be.
- How leaders are different from Managers.
- Understand the impact of communication on progress.
- Behavior & Formers.
- The path flow question.
- Mapping out key responsibilities.
- Steps of Team Development.
- Mentality Model.
- Understanding team dynamics.
- How to prioritize content.
- How to stand out.
- How the platform of LinkedIn is benefit for us.

**YLI, Goa...in my words!**

Pragy, Thank you so much ASHRAE India Chapter for nominating me for YLI, Goa. It was a great opportunity for me. I landed in Goa at 1:33pm on 11 Dec 2015. Then I booked a taxi for Royal Orchid Hotel in which event was going to be start. I reached on time. The hospitality of hotel was quite good. The event was started at about 3:00 pm. Initially I was bit confused that what will happen in these 3 days but as I met with all people (around 20 attendees) who came from USA, UK, Canada, Lebanon, Sri Lanka, Kuwait, Singapore and India (other chapters). I felt lucky to represent India Chapter there.

All the three days were full of various activities and sessions of Mr. Travis Eyring. I personally learnt a lot from his workshop.

Apart from this, The breakfast, lunch and dinner were fantastic. On the second day of event, we went to sea by market for shopping and Marina Center for dinner. We also met with Mr. Travis Eyring there and enjoyed a lot with him.

To be frank, I was the younger one in all the YEA who were present there. It was a great pleasure for me.

Trust, you surely appreciated me a bit at the last day because I'm an active LinkedIn from my college days and I want to tell to me. I learnt various things from the stories of other people.

After attending YLI, I got to know that there are a lot of things for YEA in ASHRAE. I also experienced that every YEA must attend this type of workshop once.

Success is not an accident. It's a decision. A process.

Author by Mr. Anil Gupta



# YEA & Resource Promotion (RP)

ATTACHMENTS



To support the YEA Institute, consider donating your Resource Promotion (RP) funds to YEA.

Select "ASHRAE General Fund (YEA Program Support)" on the ASHRAE Investment Form. This donation will also qualify for full circle contributions.



- ✓ YEA HVAC Design Scholarship, September 2, 2016
- ✓ YLI 2016 Athens, Greece, September 9-11
- ✓ YEA Technical Weekend (YTW) Spring 2017 in Atlanta
- ✓ YLW Fall 2016, November 4-6, 2016
- ✓ Leadership U, Monday, October 31, 2016
- ✓ New Faces in Engineering, 30 years or younger  
December 31 2016
- ✓ LeaDRS Program, Leadership Development through  
Regional Support, October 2016
- ✓ YEA Award of Individual Excellence, Monday, October  
31, 2016

# Highly Recommended

ATTACHMENT-L



- ✓ Chapters should assign YEA members to hold the YCC position.
- ✓ YEA chairs to work close with MPs and SAs.
- ✓ PAOE Points (Chapter Operations, CTTC, GGAC, Historical, Membership Promotion, Student Activities)
- ✓ Report to your YRC 😊😊😊!!!
- ✓ YLI attendance of RAL YEA members.
- ✓ Getting YEA involved.
- ✓ Feedback from chapter.
- ✓ Motivate chapter chairs.
- ✓ Increase the number of YEA members / participation

“Success happens when preparation meets opportunity”

*Best wishes for an awesome 2016-2017  
ASHRAE Year!*

**Your YRC: Dr. Deligkiozi Ioanna**  
delig\_ioanna@hotmail.com

# ECC & WEBMASTER'S REPORT

ASHRAE REGION AT LARGE



# NETWORK

-  [RAL Regional Adhoc Committees](#)
-  [ARVC-New Sub Regional Position](#)
-  [Upcoming RAL & R13 Joint CRC](#)
-  [CRC Platinum Sponsor - ISIB](#)
-  [Sub Region A News](#)
-  [Sub Region C News](#)
-  [YEA News](#)
-  [Upcoming Events](#)

*RAL Editorial Committee*



Mr. Khalid Al Mulhim



Mr. Ken Goodman



Mr. Md. Abbas Sajid



Ms. Dr. Ioanna Deligkiozi



Ms. Adeeba Mehboob  
*Editor & Chair of Editorial Committee*

## Message from ASHRAE RAL DRC

Dear RAL Members,

The joint CRC of two Regions (RAL and Region 13) and ASHRAE's 1<sup>st</sup> International Board meeting kick off next week on the 30<sup>th</sup>. For Region 13 the CRC is hosted by the Thailand Chapter. Region at Large's affairs have been handled by our CRC Committee with members from Spain, Turkey, Qatar, India and Pakistan.

Putting this CRC together has been a truly global effort of over 18 months; registrations were done in the US, coordination took place across three continents, covering places like Hong Kong, Kuala Lumpur, Bangkok, Mumbai, Karachi, Istanbul and Atlanta.

The process of planning meetings occurred in Atlanta, Orlando, St. Louis, Bangkok and Dubai.

The event managers are from India, the printers and publishers from Pakistan, the entertainers from as far away as the Ukraine.

Our volunteers helping us to manage the event come from Greece, Malaysia, India and Pakistan.

About 150 people have registered for the event from Region at Large.

Our generous Sponsors have come from Turkey, China, India and the UAE.

Region at Large have put their heart into the CRC. We hope you will have a wonderful time at the Technical & Business Meetings and all the fun events planned for you.

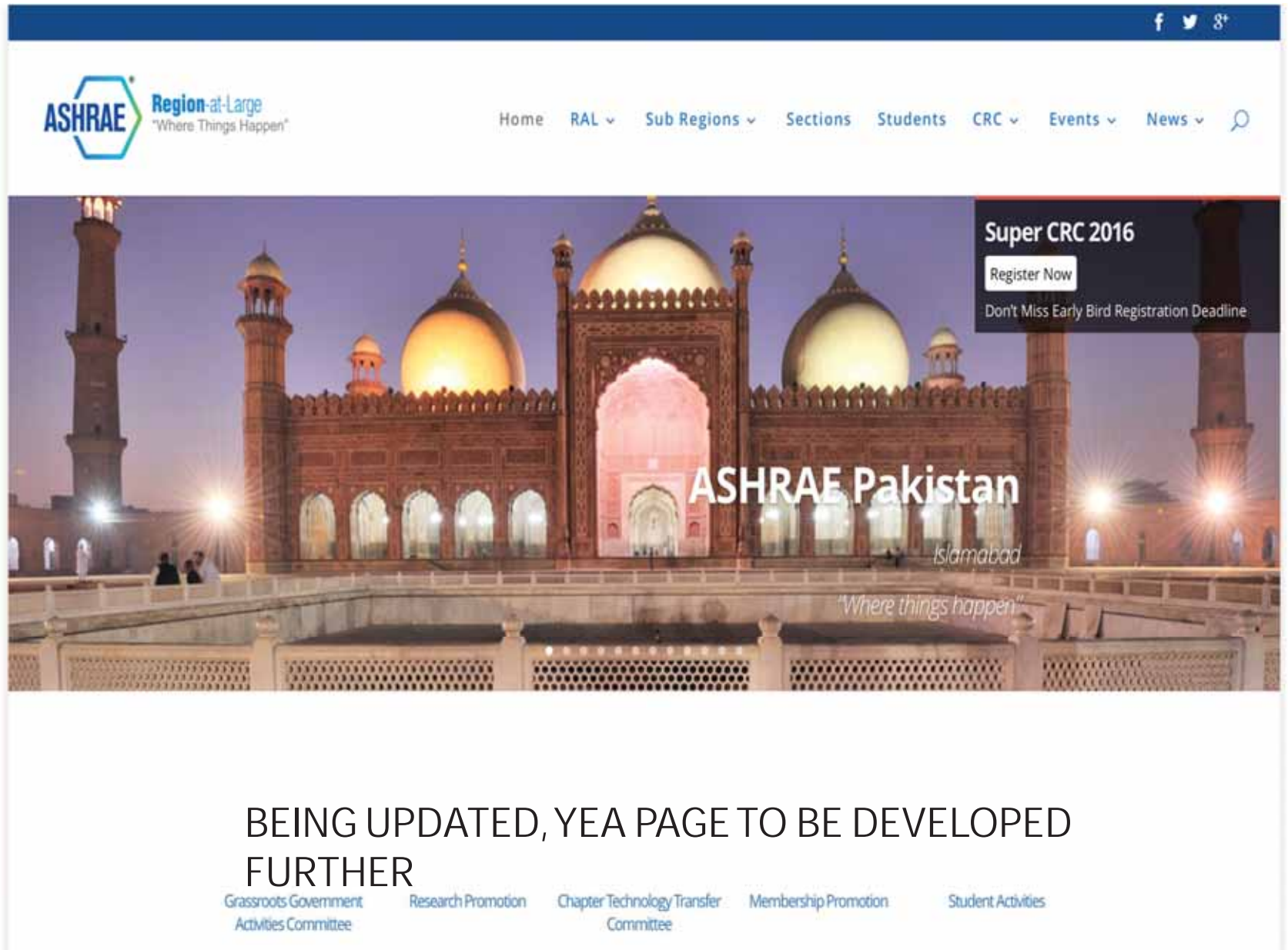
Farooq Mehboob  
Director & Regional Chair  
ASHRAE Region At Large



- QUARTERLY
- CURRENT COMMITTEE - SRC and YRC
- SUGGESTING COMMITTEE – CHAPTER PRESIDENTS



WEBSITE



BEING UPDATED, YEA PAGE TO BE DEVELOPED FURTHER

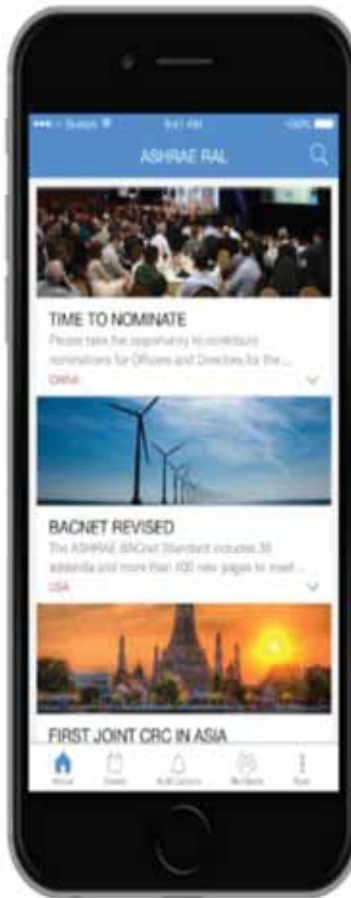
## RAL APP

- IOS and Android Based APP
- Keep up with ASHRAE  
Activities News
- Events/Calender,  
Registrations
- Member Information
- Enable communication  
between Members

Login

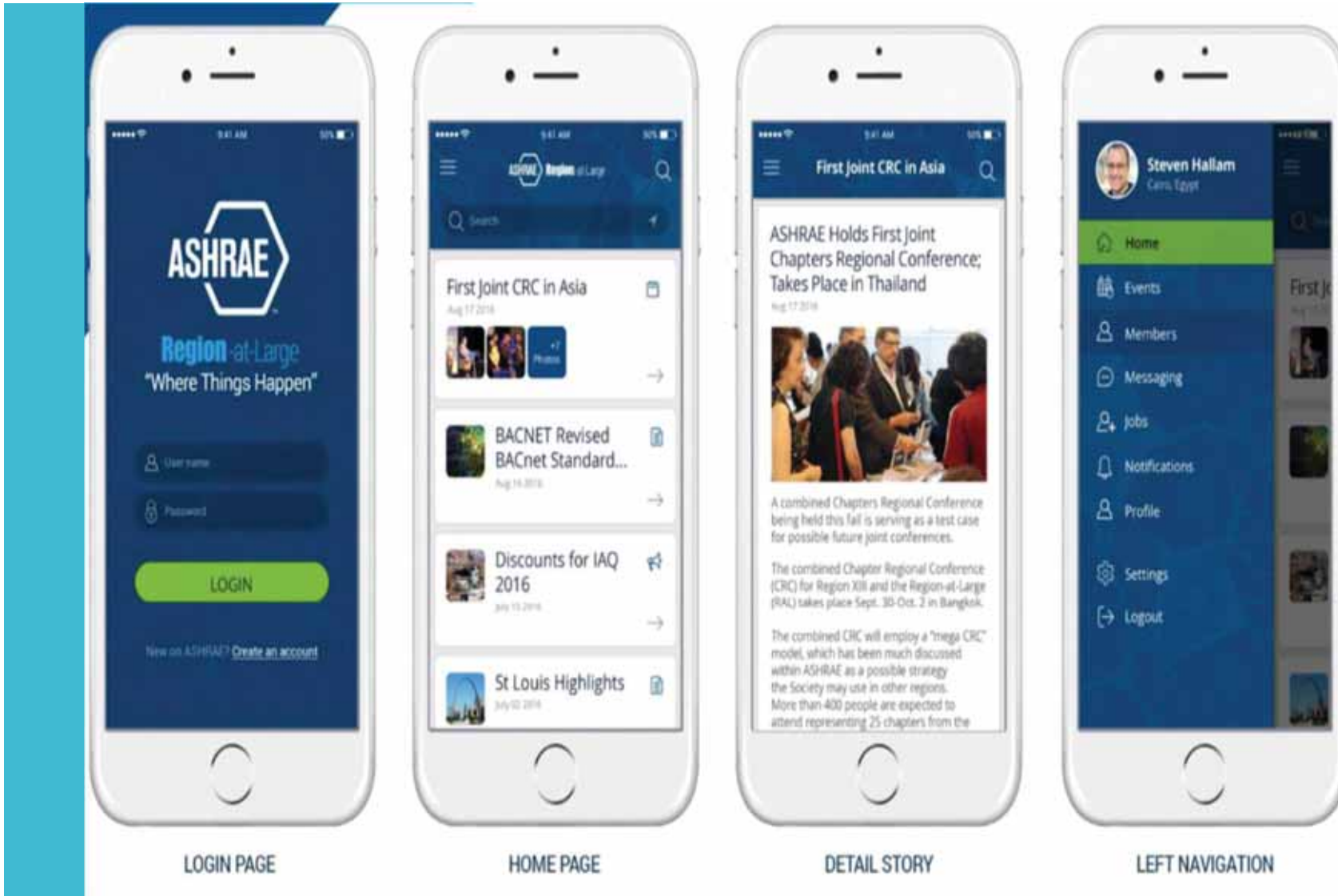


Landing



Detail





LOGIN PAGE

HOME PAGE

DETAIL STORY

LEFT NAVIGATION

# Issues

- Member data
  - Need this data to populate the member directory;  
How do we access this from main ASHRAE database
- Member authentication
  - Authentication required before granting access
- Hosting
  - Site & App server hosting details need to be figured out

ECC

- BASECAMP3
- FACEBOOK PAGE

# HISTORY OF RAL

- Corrections and Edits will be made after your input and put up on RAL Website



THANK YOU FOR  
YOUR SUPPORT!

Adeeba Mehboob





**Bangkok, Thailand**

**ASHRAE**

**Region At Large CRC 2016**

**RAL Activities  
Regarding Refrigeration**

**Prof. Dr. Branislav B. Todorović**

CRC-BANGKOK 2016



**Bangkok, Thailand**

## **2015-2016 Refrigeration main topics**

- **Phase out of HCFC,**
- **Heat pumps applications,**
- **Development in refrigeration systems and machines**
- **Food conservation - Cold Chain.**



## Bangkok, Thailand

- In Belgrade are each year traditionally held Student Congresses - technical presentations contributed and supported by companies on their Research & Development Programs.
- In Spring was meeting of Danube chapter in Romania when was elected new president of the chapter, who started 1, July .
- The meeting had scientific and technical program, with young students and engineers.
- In June was in Bucharest special presentation of professor from UC Berkeley Dr Boris Rubinski, world expert for cryorefrigeration and low temperature application in the medicine.



## Bangkok, Thailand

- As speakers are always invited as Special Guest international and local experts, representatives from ASHRAE, IIR (International Institute of Refrigeration), representatives of IIR, as director Mr. Didier Coulomb, but also director for South East Europe of UNEP Mr. Halvart Kopenen,
- As invited speakers are always top world experts of refrigeration and air conditioning fields as are the ASHRAE members prof. Pega Hrnjak, Aleks Pachai from Denmark, and other. Belgrade's congress is traditionally endorsed by ASHRAE,



## Bangkok, Thailand

- Refrigeration & Energy Efficiency Committee of the Serbian HVAC Society, headed by ASHRAE member Slobodan PejkoVIC P.E., is conducting regional e-Learning *Star Refrigeration's*e-Learning program on the phase-out of ozone layer depleting and global warming gases (HCFCs and HFCs) in cooperation with the UNEP.
- Phase-out of these gases is boosting the use of flammable, toxic and high-pressure alternatives. Hence, in order to prevent accidents, it is crucial to have careful system design, training and rigorous application of good practices in all countries, particularly in those most intensive developing economies.



## Bangkok, Thailand

- **These days the Chapter members are active presenters at conferences in Montenegro, in Slovenia and Croatia. The topics are heat pumps, refrigeration, renewable energy sources, etc.**
- **Some events in 2017: In Spring 2017 is announced the specialized conference regarding refrigeration in organization with International Institute of Refrigeration. It will be in Former republic of Yugoslavia – Macedonia.**



## Bangkok, Thailand

### Forum: Improving Energy Efficiency and Climate and Ozone Friendly - Latest Refrigeration Technologies

VISUALIZATION AND ANALYSIS OF PERIODIC REVERSE FLOW IN A MICROCHANNEL EVAPORATOR, *Pega Hrnjak, University of Illinois, Urbana, USA*

HEAT PUMPS IN INDUSTRIAL APPLICATIONS *Alexander Cohr Pachai, Technology Manager, Sabroe Factory by Johnson Controls, Denmark*

CASCADE CO<sub>2</sub>/NH<sub>3</sub> REFRIGERATION COMBINED WITH HOT WATER NH<sub>3</sub> HEAT PUMP IN FOOD INDUSTRY, *Jan Boone, MAYEKAWA EUROPE*



## Bangkok, Thailand

### National Legislations and European F-gas Legislation

**GOOD PRACTICE IN HANDLING WITH SUBSTANCES THAT DEplete THE OZONE LAYER AND CERTAIN FLUORINATED GREENHOUSE GASES IN THE REPUBLIC OF SERBIA – STATUS AND PLANS** *Bojana Đurović, Air and Ozone Layer Protection Unit, Ministry of Agriculture and Environmental Protection, Republic of Serbia*

**ACTIVITIES ON LABELING AND RECORDING EQUIPMENT CONTAINING 3 AND MORE KILOGRAM OF REFRIGERANT CHARGE IN REPUBLIC OF MACEDONIA** *Vasil Eftimov, Interklima, Skopje, FYR Macedonia*

- **GOOD PRACTICE IN HANDLING WITH SUBSTANCES THAT DEplete THE OZONE LAYER AND CERTAIN**





## Bangkok, Thailand

- **GOOD PRACTICE IN HANDLING WITH SUBSTANCES THAT DEplete THE OZONE LAYER AND CERTAIN FLUORINATED GREENHOUSE GASES IN THE REPUBLIC OF SERBIA – STATUS AND PLANS** *Bojana Đurović, Air and Ozone Layer Protection Unit, Ministry of Agriculture and Environmental Protection, Republic of Serbia*
- **ACTIVITIES ON LABELING AND RECORDING EQUIPMENT CONTAINING 3 AND MORE KILOGRAM OF REFRIGERANT CHARGE IN REPUBLIC OF MACEDONIA** *Vasil Eftimov, Interklima, Skopje, FYR Macedonia*
- **Refrigeration Machines And Systems**  
CRC-BANGKOK 2016
- **GEOHERMAL MAPPING LOW ENTHALPY**



## Bangkok, Thailand

- **GOOD PRACTICE IN HANDLING WITH SUBSTANCES THAT DEplete THE OZONE LAYER AND CERTAIN FLUORINATED GREENHOUSE GASES IN THE REPUBLIC OF SERBIA – STATUS AND PLANS** *Bojana Đurović, Air and Ozone Layer Protection Unit, Ministry of Agriculture and Environmental Protection, Republic of Serbia*
- **ACTIVITIES ON LABELING AND RECORDING EQUIPMENT CONTAINING 3 AND MORE KILOGRAM OF REFRIGERANT CHARGE IN REPUBLIC OF MACEDONIA** *Vasil Eftimov, Interklima, Skopje, FYR Macedonia*

# HELENIC CHAPTER

- **IN 2015 Refrigeration in SHIPS with 600 Participants**
- **2016 Refrigeration in mobile units**

# ATTACHMENT-O

## Report for CRC 2016 Bangkok

### Nomination Committee – Irene Reichert

Bassel Anbari and Irene took part in the two society nomination meetings in October 2015 in Atlanta and January 2016 in Orlando. There we represented RAL and promoted our candidates, which were nominated in our Nomination meeting in Istanbul.

Since the end of the ASHRAE Annual Meeting in St. Louis we had very busy times as ASHRAE BOD had approved 5 ARVC positions for each RAL Subregion for the next two years.

Eligibility criteria had to be developed in very short time, and were discussed in phone conferences.

July 30, 2016            the final information was sent out to all Chapter Presidents. Before we had to check all chapter CIOs were completed and updated.

August 10, 2016        was the deadline for nominations by the chapters.

August 17, 2016        a list of proposed candidates was issued and sent out to the relevant subregions for a voting ballot

August 24, 2016        DRC was able to send out his recommendations to society for appointments

This enables all nominees to take part in the Bangkok CRC.

I would like to thank at this point all the chapters and the others involved for their great cooperation.

We are happy that more time has now been allocated for the training of the delegates and alternates before starting the Caucus.

An email was sent out to all delegates, alternates and SRCs reminding them to be well prepared with names for the nomination process and to bring up qualified nominations with experience in chapter or CRC work.



# Region At Large Super CRC 2016 - Bangkok

Accounts for Society Year 2015-16  
&  
Budget for Society Year 2016-17

Prepared by:  
Nivedita Jadhav



## Accounts for Society Year 2015-16

Opening Balance	USD 18,246.00
Expenses	USD 13,350.00
Income	USD 19,359.00
Closing Balance	USD 22455.00



## Performance of SY 2015-16

Description	Target	Achieved
Expenses	US \$ 14,000.00	US \$ 13,350.00
Income	US \$ 21,000.00	US \$ 19,359.00
Projected Surplus	US \$ 7,000.00	US \$ 6,009.00



## Chapter Dues – Sub Region A

Chapter Code	Chapter Name	No. of Members	Arrears	Current SY
			SY 2013-13 till 2015-16	SY 2016-17
181	Bahrain	35	\$ 1,100.00	\$ 350.00
161	Cairo	123	\$ -	\$ 350.00
175	Falcon	559	\$ -	\$ 500.00
164	Kuwait	66	\$ -	\$ 350.00
162	Lebanese	117	\$ -	\$ 350.00
187	Nigeria	91	\$ -	\$ 350.00
184	Oryx	297	-	\$ 500.00
160	Saudi Arabia	216	-	\$ 500.00
	Total		\$ 1,100.00	\$ 3,250.00





## Chapter Dues – Sub Region B

Chapter Code	Chapter Name	No. of Members	Arrears	Current SY
			SY 2013-13 till 2015-16	SY 2016-17
168	Hellenic	155	\$ 850	\$ 350
176	Danube	111	\$ 1,100	\$ 350
177	Portugal	77	\$ 525	\$ 350
182	Spain	184	\$ -	\$ 350
193	Turkish	101	\$ -	\$ 350
	Total	628	\$ 2,475	\$ 1,750



## Chapter Dues – Sub Region C

Chapter Code	Chapter Name	No. of Members	Arrears	Current SY
			SY 2013-13 till 2015-16	SY 2016-17
158	India	288	0	\$ 500
169	Bangalore	103	0	\$ 350
186	Pune	94	0	\$ 350
188	Mumbai	105	\$ 350	\$ 350
185	Chennai	78	0	\$ 350
191	Deccan	90	\$ 850	\$ 350
163	Western India	69	0	\$ 350
179	Norther Pakistan	61	0	\$ 350
189	Central Pakistan	71	\$ 1,100	\$ 350
174	Pakistan	80	0	\$ 350
171	Sri Lanka	119	0	\$ 350
197	Bangladesh	53	\$ 350	\$ 350
	Total	1211	\$ 2,650	\$ 4,350



## Chapter Dues – Summary

Chapter Code	No. of Members	Arrears	Current SY
		SY 2013-13 till 2015-16	SY 2016-17
Sub Region A	1504	\$ 1,100	\$ 3,250
Sub Region B	628	\$ 2,475	\$ 1,750
Sub Region C	1211	\$ 2,650	\$ 4,350
<b>Total</b>	<b>3343</b>	<b>\$ 6225</b>	<b>\$ 9350</b>
<b>Members not attached to Chapters</b>			
SUB-REGION A	273		
SUB-REGION C	8		
SUB-REGION B	1,258		
<b>Total</b>	<b>1,539</b>		



## Chapter Dues

ALL CHAPTERS HAVE TO SETTLE THEIR DUES TO RAL!

**Outstanding Collections : USD 15,575**



## SY 2016-17 BUDGET

S.No	Description	Income Head	Budgeted Income	Expense Head	Budgeted Expense
1.	Opening Balance		US \$ 22,455		
2.	SY 16-17 Plan	Dues from Chapters	US \$ 15,575	Travel	US \$ 20,000
		ACRECONF	US \$ 2,000	Web	US \$ 3,500
		CRC Bangkok Surplus	US \$ 10,000	RAL Operations	US \$ 3,000
		Chapter Opportunity Fund	US \$ 13,250	Chapter Opportunity Fund	US \$ 13,250
3.	Total		US \$ 40,825		US \$ 39,750

**Projected Surplus : USD 1,075.00**



## MBO FOR SY 2016-17

Collection of total dues from each chapter before the SY closes on 30<sup>th</sup> June 2017

Proper utilization of the Chapter Opportunity Fund

Improving accounting systems

# RAL REGIONAL HISTORIAN

Report to CRC  
October 1<sup>st</sup> 2016

Tim Dwyer  
[tim@timdwyer.com](mailto:tim@timdwyer.com)



# GREAT RAL PAOE ACHIEVEMENT 2015-16

## Reaching minimum (100 points)

- Central Pakistan
- Chennai
- Nigeria
- Qatar Oryx
- Western India

## Reaching PAR (300 points)

- Bangalore
- Cairo
- Deccan
- Falcon
- Hellenic
- India
- Mumbai
- Northern Pakistan
- Pakistan
- Pune
- Sri Lankan





ATTACHMENT-Q

Chapter	Chapter Name	Chapter Members	Display at CRC				Rep at CRC training			Historical PAOE Total			
			2013	2014	2015	2016	2013	2014	2015	12-13	13-14	14-15	15-16
158	India - New Delhi	288	Yes		Yes			Yes	Yes	550	600	650	650
160	Saudi Arabia - Dhahran	216		Yes						0	0	50	0
161	Cairo - Cairo, Egypt	123			Yes					150	0	525	900
162	Lebanese - Beirut	117	Yes							200	50	0	0
163	Western India - Ahmedabad	69	Yes	Win	Win		Yes	Yes	Yes	450	250	150	100
164	Kuwait - Kuwait City	66						Yes		0	0	100	0
168	Hellenic – Athens, Greece	155	Yes				(Yes)	Yes	Yes	100	200	200	600
169	Bangalore - South India	103	Yes	Yes	Yes				Yes	600	700	850	950
171	Sri Lankan - Colombo, Sri Lanka	119	Yes	Yes	Yes				Yes	0	50	500	450
174	Pakistan – Karachi	80		Yes	Yes				Yes	0	200	175	700
175	Falcon - Dubai, UAE	559		Yes	Yes		Yes	Yes	Yes	0	600	150	1050
176	Danube - Timisoara, Romania	111								200	0	0	0
177	Portugal - Lisbon	77								0	0	0	0
179	Northern Pakistan - Islamabad	61	Yes	Yes	Yes					0	325	400	475
181	Bahrain - Manama	35								0	0	0	0
182	Spain - Madrid	184	Yes	Yes						275	325	450	0
184	Qatar Oryx - Doha	297	Yes	Yes			Yes		Yes	900	150	50	100
185	Chennai - Chennai India	78	Yes	Yes						225	125	250	150
186	Pune - Pune, India	94	Win	Yes	Yes		Yes	Yes	Yes	500	500	500	300
187	Nigeria - Lagos	91	Visa probs	Yes					Yes	100	0	100	100
188	Mumbai - Mumbai, India	105	Yes	Yes	Yes				Yes	-	-	50	700
189	Central Pakistan - Lahore	71	Yes							700	150	0	275
191	Deccan - Hyderabad, India	90	Yes		Yes				Yes	0	50	350	425
193	Turkish (New 2014)	101	-							-	-	0	0
197	Bangladesh (New 2015)	53								-	-	-	0

# INTERVIEWS WITH PAST DRCS (SEE TESTSECURE.CO.UK FOR MORE)

**Samir Traboulsi**  
ASHRAE Region at Large  
Director and Regional Chair  
2005-2008



# .....SEE TESTSECURE.CO.UK FOR MORE

## The RAL Archives

This provides access to the collected archives of the RAL through the links below. (The individual Chapters hold their own archives.)

- Foundation of India Chapter, March 29, 1990  No docs  Go to 3 photos
- Foundation of Saudi Arabia Chapter, 1993  No docs  No photos
- Foundation of Cairo Chapter  No docs  No photos
- Foundation of Lebanon Chapter, October, 1995  No docs  Go to 1 photo
- Foundation of Western India Chapter, April 16, 1996  No docs  Go to 2 photos
- Foundation of Kuwait Chapter  No docs  No photos
- Foundation of Hellenic Chapter, June, 1999  No docs  No photos
- Foundation of South India Chapter (renamed Bangalore), November, 1999  No docs  No photos
- Foundation of Hellenic Chapter, June, 1999  See doc list  Go to 2 photos
- First Regional Planning and Orientation Session, September 14–15, 2001  No docs  Go to 4 photos
- Foundation of Sri Lankan Chapter, 2001  No docs  Go to 18 photos
- ARC, Reading UK, September 18–20, 2002  See doc list  Go to 95 photos
- Foundation of Pakistan Chapter, September, 2003  No docs  Go to 54 photos
- ARC Cairo Egypt, September 6–8, 2003  See doc list  Go to 4 photos
- Foundation of Falcon Chapter, December 7, 2003  No docs  No photos
- ARC New Delhi, India, September 25–27, 2004  See doc list  Go to 29 photos
- Foundation of Danube Chapter, April 8, 2005  See doc list  Go to 2 photos
- Foundation of Portugal Chapter, June, 2005  See doc list  Go to 1 photo
- ARC Athens, Greece, September 25–27, 2005  See doc list  Go to 19 photos
- Foundation of Northern Pakistan Chapter, March, 2006  No docs  Go to 8 photos
- Foundation of Polonia Chapter, March 7th, 2006  No docs  Go to 4 photos

# TODAY'S HISTORICAL TRAINING



MBOs for the period July 2015-16	Notes
Establish working links with 18 chapters	Throughout the year 19 chapters have actively responded.
Progress 10 chapters towards achieving the requirements to be put forward for Gold Ribbon Award	<p>We had the first ever 8 at the CRC in Istanbul...</p> <ul style="list-style-type: none"> <li>Bangalore Chapter</li> <li>Cairo Chapter</li> <li>Deccan Chapter</li> <li>Falcon Chapter</li> <li>Mumbai Chapter</li> <li>Northern Pakistan Chapter</li> <li>Pune Chapter</li> <li>Sri Lankan Chapter</li> </ul>
Attempt to produce at least one entry for Lou Flagg Award and to set chapters on way for future award	Much canvassing ...some interest ...but alas still no submissions this year
Identify and promote at least 1 significant RAL historical projects for publication (ASHRAE Journal?) by CRC 2015	Failed to do this but continuing into 2016
Develop Regional Historical Web Presence	Continuing
Collect and make available through web interface images/documents to (at least) have a basic representation of all ARC/CRCs and chapter foundations	Complete

MBOs for the period July 2016-17	Notes
Make contact and exchange information with 20 chapter historians	Continuing
Progress 10 chapters towards achieving the requirements to be put forward for Gold Ribbon Award at CRC 2016	May not quite make it!
Liaise with Region XIII historian to create joint training at CRC 2016	Made contact
Have at least 1 annotated photographic element for 90% for RAL events in RAL photo store	Continuing
Add historic biographic information for all past RAL DRCs to historic archive	Continuing
Add CRC archive material for past CRCs to historic archive	Continuing

# CHAPTER WEB SITES OVER 50% HAVE ACTIVE HISTORICAL!!

India	<a href="http://www.ashraeindia.org">www.ashraeindia.org</a>	Northern Pakistan	<a href="http://www.ashraenpc.org.pk">www.ashraenpc.org.pk</a>
Saudi Arabia	None shown	Bahrain	None shown
Cairo	<a href="http://www.ashraecairo.org">www.ashraecairo.org</a>	Spain	<a href="http://www.spain-ashrae.org">www.spain-ashrae.org</a> *
Lebanese	<a href="http://www.lebanese.ashraechapters.org">www.lebanese.ashraechapters.org</a>	Qatar Oryx	<a href="http://www.ashraeqatar.org">www.ashraeqatar.org</a> (corrected)
Western India	<a href="http://www.ashraewic.org">www.ashraewic.org</a> *	Chennai	<a href="http://www.ashraechennai.org">www.ashraechennai.org</a>
Kuwait	<a href="http://kuc02.kuniv.edu.kw/~ashrae">kuc02.kuniv.edu.kw/~ashrae</a>	Pune	<a href="http://www.ashraepunechapter.org">www.ashraepunechapter.org</a>
Hellenic	<a href="http://www.ashrae.gr">www.ashrae.gr</a>	Nigeria	<a href="http://www.ashrae.org.ng">www.ashrae.org.ng</a>
Bangalore	<a href="http://www.bangalore.ashraechapters.org">www.bangalore.ashraechapters.org</a> *	Mumbai	<a href="http://www.ashraemumbai.org">www.ashraemumbai.org</a>
Sri Lankan	<a href="http://www.ashraesl.org">www.ashraesl.org</a>	Central Pakistan	<a href="http://www.ashrae.org.pk">www.ashrae.org.pk</a> *
Pakistan	<a href="http://pakistan.ashraechapters.org">pakistan.ashraechapters.org</a>	Deccan	<a href="http://www.ashraedeccan.org">www.ashraedeccan.org</a> *
Falcon, UAE	<a href="http://www.ashraeuae.org">www.ashraeuae.org</a>	Turkish	<a href="http://www.ashrae.org.tr">http://www.ashrae.org.tr/</a>
Danube, Romania	<a href="http://www.danubeashraechapter.org">www.danubeashraechapter.org</a>	Bangladesh	None shown
Portugal	None shown		

Red = needs attention in some way

\* or \* indicates that the site address needs altering on ashrae.org

# GOLD RIBBON AWARD

?? chapters will receive the **GOLD RIBBON** award tomorrow





# RAL HISTORY

..... is alive!





# ASHRAE Region At Large CRC 2015 Bangkok, Thailand

## 2015 RMCR Motions Summary Report

**Nohad Boudani**



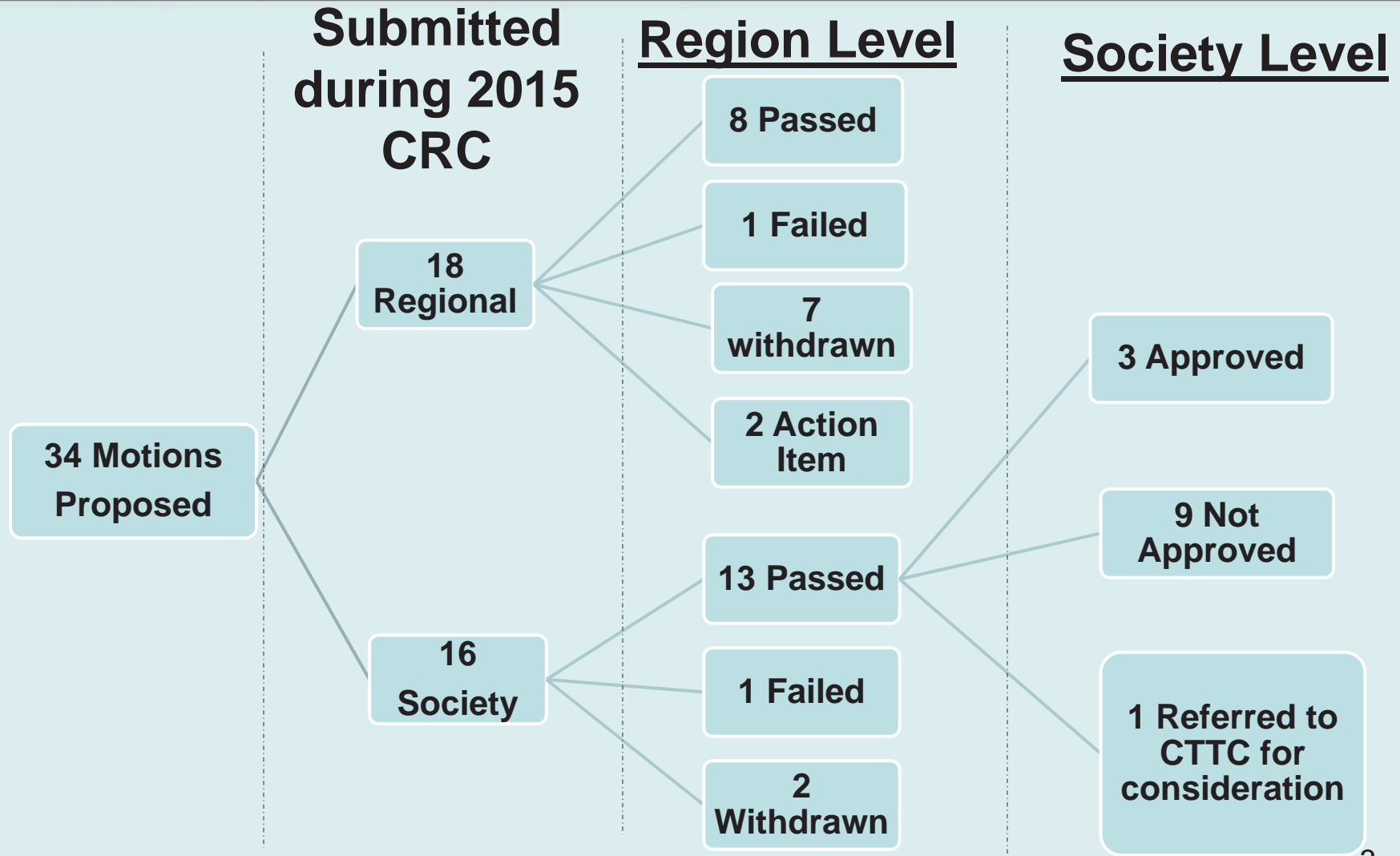
# Summary of Motions Discussed during CRC 2015 in Istanbul

	Motion Designation	# of Motions	Passed	Failed	Withdrawn	Action Item to
Falcon	Region	1	0	0	0	RAL Planning Committee
	Society	0	0	0	0	
Lebanese	Region	6	2	0	4	
	Society	6	6	0	0	
Mumbai	Region	3	0	0	2	CRC
	Society	0	0	0	0	
India	Region	0	0	0	0	
	Society	3	1	1	1	
Northern Pakistan	Region	0	0	0	0	
	Society	2	2	0	0	
Pakistan	Region	0	0	0	0	
	Society	1	0	0	1	
Treasurer	Region	6	4	1	1	
	Society	0	0	0	0	
SRC-A	Region	2	2	0	0	
	Society	0	0	0	0	
SRC-B	Region	0	0	0	0	
	Society	1	1	0	0	
SRC-C	Region	0	0	0	0	
	Society	2	2	0	0	
SRC-A, b & C	Region	0	0	0	0	
	Society	1	1	0	0	
Summary	Region	18	8	1	7	2
	Society	16	13	1	2	0

2



# Summary Result of 2015 Motions





## Status of Motions 2015

### **Region-At-Large (Sub Region B) – Motion 8 (11/5/2015):**

That ASHRAE review CTTC PAOE points to amend the following: Hold planning session and finalize program schedule ~~prior to October 1~~ within 3 weeks of CRC workshop training 2 weeks after the CRC or before October 1 whichever is later.

**This amended motion was approved** and will be part of the 2016-17 PAOE categories. **(Complete)**

### **Sub Region C – Motion 12 (11/5/2015):**

That ASHRAE ~~consider setting up~~ investigate creating a technical award category for projects engineered within Developing Economy countries.

**Status:** The amended motion was referred to the Chapter Technology Transfer Committee (CTTC). CTTC agrees with the premise of the motion but has assigned an ad hoc to further investigate the possibility of a new award category for developing economies as part of the Technology Awards. **(Open)**



## Status of Motions 2015

### **Sub Region C – Motion 13p (11/5/2015):**

That ASHRAE should consider having at least one international member (outside of North America) on its technical awards judging panel.

**Answer:** This motion was referred to Chapter Technology Transfer Committee for consideration. CTTC was in favor of this motion. The CTTC Technology Awards Ad Hoc was in the process of revising the Technology Award Judging Panel selection process to ensure that one member from outside of North America sits on the panel each year and these changes were approved during the Orlando meeting. (Complete)



## Status of Motions 2015

### **Northern Pakistan Chapter – Motion 13q (11/5/2015):**

That the Student SmartStart Program fees be reduced for developing economies to the old structure i.e.

1st year \$20, second year \$20 and third year \$40.

**Status:** This motion was referred to the Finance Committee since they are already addressing this issue. The Finance Committee was not in favor of the motion. The figures in the motion are close to the figures that Finance recently approved. (Complete)

### **Lebanese Chapter – Motion 20 (11/6/2015):**

That society offers technical courses with certificate of completion during the CRC similar to those offered at the society meetings.

**Answer:** This motion failed. The information is already available using the ALI courses. (Complete)



## Status of Motions 2015

### **Lebanese Chapter – Motion 21 (11/6/2015):**

That society provides free registration for one delegate from each chapter to participate in the society winter meeting.

**Answer:** This motion failed. Delegates do not have official business or meeting functions to attend the Society conferences. The fiscal impact would be cost prohibitive to reimburse transportation to all ASHRAE chapter delegates. **(Complete)**

### **Lebanese Chapter – Motion 28 (11/6/2015):**

That society decides the CAP on transportation reimbursement to CRC ~~two weeks~~ 30 days before the CRC and to be based on a 14 day advanced ticket price at the most ~~feasible~~ economical direct flight rather than the cheapest flight.

**Answer:** The amended motion was approved. **(Complete)**





# Status of Motions 2015

## **Lebanese Chapter – Motion 29k (11/6/2015):**

That society reimburse CRC transportation expenses for MP Chairs and RP Chairs who didn't attend the MP / RP centralized training.

**Answer: This motion was referred to the Membership Promotion Committee, RP Committee and the Effect of Centralized Training on CRCs ad hoc committee. (Complete)**

- RPC response: The RP Committee was not in favor of this motion. This motion is already in effect. Centralized Training for RAL RP Chapter Chairs currently takes place at the RAL CRC and the Chapter Chairs transportation is paid.
- MPC response: The MP Committee was not in favor of this motion. The committee has agreed to only reimburse for attendance at Centralized Training. This policy is included in the Manual for Chapter Operations.
- PEC's Functional Planning Subcommittee assigned a small working group in response to the "Effective ASHRAE Materials Delivery To and Through Chapters" report developed by Mr. Austin and has tasked the group to work on a response to this referral. The ad hoc committee gave a detailed report during the St. Louis meeting and other groups have been assigned to implement. The detailed report serves as an attachment to this and similar motions that were submitted during the regions fall CRCs.



## Status of Motions 2015

### **Lebanese Chapter – Motion 34e (11/6/2015):**

That society sets a deadline for answering society motions submitted during Fall CRC, say end of May of the following year.

**Answer:** This motion failed. This is already the common practice. The 2014 fall CRC motions were updated and published online by May 28, 2015. **(Complete)**

### **India Chapter – Motion 39 (11/6/2015):**

That all ASHRAE events held in a country or a geographical area covered by a Chapter to be done in association with the local chapter, and sales of ASHRAE publications during this event to be handled by the local chapter.

**Answer:** This motion failed. ASHRAE should not have to change a process that has worked successfully for the Society over the years. **(Complete)**



## Status of Motions 2015

### **Lebanese Chapter – Motion 40 (11/6/2015):**

That society reimburse transportation expenses for one delegate from each chapter to participate in the society winter meeting.

**Answer:** This motion failed. The delegates would not have a purpose at the Society meetings. Currently, the LeaDRS shadow their DRC and transportation is charged to the DRCs' allocated chapter visits. The fiscal impact would be cost prohibitive because if reimbursing transportation for all delegates from one region, Society would have to reimburse transportation for all delegates from all regions. **(Complete)**



# Status of Motions 2015

## **Northern Pakistan Chapter – Motion 41 (11/6/2015):**

That Chapter Historian be Reimbursed for Travel Transportation to attend the CRC.

**Answer: This motion failed.** This issue should be handled at the chapter or regional level since the historians are not a grassroots committee. Currently only chapter delegates, alternates and the grassroots committee chairs are reimbursed for training to attend the CRC or for RP and MP Centralized Training (see excerpt below from the MCO). **(Complete)**

Excerpt from the reimbursement policy:

D. For positions not listed as authorized approval to attend the CRC, the DRC may invite other region or chapter positions to the CRC, however, transportation costs will not be reimbursed for these optional members except as defined in Section I, Paragraph B.

The chapter visits will be used as a way of transportation reimbursement only if authorized by the DRC to attend.



## Status of Motions 2015

### **Sub Regions A, B and C – Motion 42 (11/6/2015):**

That society reimburse transportation expenses for Region At Large Sub Regional Chairs (SRCs) & ARC to attend the RAL planning meeting during ASHRAE annual meeting.

**Answer:** **This motion failed.** The regions are reimbursed for one regional planning meeting. During the 2012 Fall Members Council Meeting, the council approved a motion for the Sub Region Chairs to attend the winter conference at the discretion of the DRC. Also, the average airfare is closer to \$1500 instead of \$1000 as shown in the sub regions' fiscal impact. **(Complete)**

.



# Status of *Regional* Motions 2015

## Passed Motions

### Lebanese Chapter Motion # 8

That RAL Nominating Committee will consider when nominating RVCs of the standing Society eligible members who have or had served as committee chairs at their Chapters level and at least for one term.

### Lebanese Chapter Motion # 12

That a committee will be formed comprising of 3 past DRCs namely Dr. David Arnold, Dr. Samir Traboulsi & Mr. Ashok Virmani to provide a new criteria for nominating SRCs & RVCs of the RAL, taking the RAL nominating Committee minimum current requirements.



# Status of *Regional* Motions 2015

## Passed Motions:

### **SRC-A Motion # 1:**

That all Chapter CTTC chairs in RAL have a 2 year term, plus the chapters must have a CTTC committee of at least 3 members (inclusive of CTTC chair).

### **SRC-A Motion # 2:**

That the incoming CTTC Chairs must have served one year on the chapter CTTC committee prior to becoming the chair.

### **RAL Treasurer Motion # 4:**

that RAL Chapter dues be increased from US \$ 250 to a minimum of US\$ 350.

### **RAL Treasurer Motion # 5:**

That RAL Chapter Fees be increased to US \$ 500 for Chapters having more than 200 members (excluding Student members).



# Status of *Regional* Motions 2015

## Passed Motions:

### RAL Treasurer Motion #1 :

That the RAL Budget for 2015-2016 be approved as follows:



## **SY 2015-16 BUDGET**

S.No	Description	Income Head	Budgeted Income	Expense Head	Budgeted Expense
1.	Opening Balance		US \$ 22281		
2.	SY 14-15 Plan	Dues from Chapters	14000	Travel & Related	14000
		ACRECONF	1000	Web, Newsletter and Miscellaneous	3000
		CRC Turkey Contribution	US \$ 6000	RAL Programs	3000
3.	Total		US \$ 21,000		US \$ 20,000

**Projected Surplus : USD 1,000.00**

5





## Status of *Regional* Motions 2015

### Failed Motions:

#### RAL Treasurer Motion # 6:

that the minimum contribution to RAL Fund by the CRC host Chapter be increased from US \$ 5000 to US \$ 6000.



# Status of *Regional* Motions 2015

## Withdrawn Motions:

### Lebanese Chapter Motion # 7:

That the SRC of a RAL Subregion be named, and for a new term, by only the eligible delegates residing within the same subregion. This process takes place at the Caucus and DRC will then, submit his/her recommendations to Society Headquarters.

### Lebanese Chapter Motion # 9:

That the name of the Chapters Regional Conference, CRC be changed to become: RAL Regional Conference, RALRC

### Lebanese Chapter Motion # 10:

that the elected SRC for each sub region shall be a non-Chapter member and shall be nominated by the Nominating Committee and elected by members residing in the same region to represent members of the sub region who do not belong to chapters.



# Status of *Regional* Motions 2015

## Withdrawn Motions:

### Lebanese Chapter Motion # 11:

That the meetings of the Planning Committee of RAL at the Winter meeting shall be formal

### Mumbai Chapter Motion # 1:

That all proposed motions to be circulated to Voting members at least a week before the CRC

### Mumbai Chapter Motion # 2:

That nominations for Regional Positions should be announced upfront – During the Orientation Session - like in normal elections. Proposing and Seconding should be done at Caucus and secret ballot be finished in one day.

### RAL Treasurer Motion # 3:

That Society provide members an option to pay Regional dues approved by the RAL CRC along with Chapter dues.



# Status of *Regional* Motions 2015

## Action Items:

### **Falcon Chapter Motion # 1:**

To change the selections process of Officers in RAL to be nominated by a committee of 4 past DRCs, then voted for in the CRC meeting effective by the CRC meeting 2016.

**Status:** Action item to the Planning Committee

### **Mumbai Chapter Motion # 3:**

A Secure payment gateway to be created for CRC registration.

**Status:** Action item to the CRC



# Thank You For Your Attention

**Nohad Boudani**

**[nohadb@inco.com.lb](mailto:nohadb@inco.com.lb)**





# RAL ADHOC COMMITTEE REPORT

## FOR CRC 2017 LOCATION

*ASHOK VIRMANI  
NOHAD BOUDANI  
DR. AHMED ALAA*

*September 15, 2016*

\* Interacted with the following chapters :-

A) **DANUBE chapter : Suggested location BELGRADE, Serbia**

**Advantages :-**

- ✓ Dedicated & experienced two past Regional officers, attended almost all RAL CRC's.
- ✓ Belgrade perceived as economical suitable compared to Spain & Turkey.
- ✓ Organizing International Congress (Seminars) every year in December, since 40+ years.
- ✓ Belgrade being a tourist place in Europe & will attract more delegates with spouses.
- ✓ Ken SRC B supports the initiative.

**Constraints :-**

- Lack of second run leadership in case of unforeseen circumstances.
- No first hand past exposure of CRC's.
- Long absence in participating of CRC activities & is in default of chapter dues.
- Approval / consent – depending Farooq or AKV's visit, attending Congress in December in Belgrade.
- Any entry visa restrictions ? To be explored.
- Last two CRC's held in Region B.

**B) CAIRO Chapter – Location SHARM EL SHEIKH**

Alternative : Nile Cruise – Yet to be explored

**Advantages :-**

- ✓ Robust Chapter having sustainable leadership.
- ✓ Past two CRC's held in Cairo in 2003 / 2010.
- ✓ Proposed venue at Sharm EL Sheikh – Is a tourist beach area.
- ✓ Distinguished speakers available within the chapter.

**Constraints :-**

- Arab spring / sudden unrest.
- Venue city 510 Kms from Cairo
- Possibility of ASHRAE travel advisory.
- Last minutes hotel booking hassle at CRC 2010 by few delegates.



C) FALCON Chapter – Location Dubai, UAE

**Advantages :-**

- ✓ Aggressive chapter with strong chapter membership & sustainable leadership.
- ✓ Held two CRC's successfully at Dubai in 2006 & 2011 at Abu Dhabi.
- ✓ Many Nationalities do not need entry visa.
- ✓ Visa for other nationals available on arrival.
- ✓ Hospitality for the guests was at par excellence at Abu Dhabi.
- ✓ Availability of large convention center + ease of sponsorship in the Middle East.
- ✓ Accessible to most of the chapters.
- ✓ Ease of getting many flights connections.

**Constraints :-**

- Fiscal discipline to be maintained so that RAL & chapter gains.

D) TURKEY Chapter - Location – ANTALYA

**Advantages :-**

- ✓ New chapter but held successful CRC 2015 at ISTANBUL.
- ✓ Effective & strong chapter leadership & dedicated volunteers.
- ✓ Local industry supports the chapter.

**Constraints :-**

- Would not recommend recycling so soon.

## **E) HELLENIC Chapter**

### **Advantages :-**

- ✓ Strong & effective chapter having excellent speakers.
- ✓ Young & sustainable leadership with strong volunteer force.
- ✓ Good in fast communications.
- ✓ Last CRC held in 2005.

### **Constraints :-**

- Hellenic chapter keen to hold CRC 2019 during their 20<sup>th</sup> Anniversary.
- Hellenic chapter BOG recommends CRC 2017 by Danube chapter.

Chapters Report Spreadsheet

02-Oct-15

Chapter Code	Chapter Name	Membership Promotion MP				Student Activities SA				Total	Chapter Technology Transfer							RP Fund Raising			Grassroots Government Activities		Chapter History		Finances YTD Reported			
		Member Paid CDDM	Member Non Paid	New members	Area Assigned Members AAM	Student Paid	Student Non Paid	# of Students	# of Student Branches		# of Chapter Technology Awards	# of Refrigeration Presentations	# of Chapter Technical Sessions, Technical Seminars, Programs or Tours	# of Social Events	Number Of Technology Award Submittals to Chapter/Regi on	Average Chapter Monthly Meeting Attendance	Chapter Goal \$	\$ Collected	\$/AAM	Number of Advocacy Meetings & Other Activities	Chapter Historical Chapter History Moved to	Total Fund Balance	Chapter Dues	Members' Cost of Meals	Date of Last Chapter Audit			
158	INDIA	236	48	49	284	191	38	229	6	513	-	2	13	2	-	45	2000	1200	4.225352113	2	Y	Y	\$26642	\$20	\$20	1st July, 2016		
160	SAUDI ARABIA	167	42		209	3	2	5		214	-	2	5	-	-	55	300	-	-	-	N	Y	5,867	15	Free	01-Jul		
161	CAIRO	103	20	35	123	11	25	36	2	159			U.C	28	20	37	1140	1140	9.3	17	Y	Y	12000\$	350\$	0	42522		
162	LEBANESE	107	11	21	118	15	2	17	8	135	0	0	6	1	0	10	1050	300	2.542372881	0	Y	N	10800	1680	836	42583		
163	WESTERN INDIA	54	17		71	12	24	36	2	107			1	26	2	70				3	Y		452646=00	NIL		42460		
164	KUWAIT	64	5		69	38	2	40		109																		
168	HELLENIC	155	8	13	163	31	0	31	1	194	0	5	9	15	0	200	700	500		7	Y	Y		\$1,200.00	0	April 20, 2016		
169	ASHRAE BANGALORE	85	17		102	125	10	135		237			2	46	2	0.8	800	1390	13.62745098	15	Y	Y	5500	Nil	450	42460		
171	SRI LANKAN	101	18	28	119	1	11	12	2	131	0	2	32	5	0	0.9	600	600	5.04	5	Yes	Yes	1765	130	10	March,31,16		
174	PAKISTAN	75	5	4	80	282	61	343	7	423			2	20	7	55	1000	800	10	6	Y	Y	\$15630	\$120	\$0	42571		
175	ASHRAE FALCON	451	111		562	29	4	33		595			11	9	10	11	5260	5260	9.359430605	18	Y	Y	6500	0	1000	42551		
176	DANUBE	103	9		112	56	6	62		174																		
177	PORTUGAL	70	7		77	3	0	3		80																		
179	NORTHERN PAKISTAN	46	17		63	78	106	184	15	247	0	2	10	2	0	30	500	600		4	Y	Y	2216	0	0	42613		
181	BAHRAIN	30	4		34	35	0	35		69																		
182	SPAIN	164	27		191	1	0	1		192	0	2	7	12	0	8		350		10	N	Y	1060	0	13280	N/A		
184	QATAR ORYX	237	58	14	295	28	3	31		326	0	0	15	4	0	130	5700	698	0	0	Yes	Yes	QR120000	0	QR120	01.06.2016		
185	CHENNAI	58	12	12	70	81	22	103	3	173	4	2	8	1	0	40	710	535	7.53	4	Y	N	4750	0	10	42156		
186	PUNE	92	6		98	96	1	97	4	195			3	1		65*	1250	700			Y	Y				42591		
187	ASHRAE NIGERIA	76	14		90	49	69	118	2	208	Nil	12	12	4	Nil	15	2500	0		4	Nil	Yes	7668.29	1233.95	971	30.07.2016		
188	ASHRAE MUMBAI	92	12		104	30	1	31		135	0	2	14	0	0	5	2000	2000		2	Y	N	\$19500			42309		
189	CENTRAL PAKISTAN	55	16	9	71	29	16	45	3	116			1	4	2	0.55	300			1	Y	Y	Pkr-250000	0	32400	42217		
191	ASHRAE DECCAN	81	6		87	1	0	1		88	0	0	13	3	0	11	600	800		5	Y	Y	6400	1200	0	06.30.2016		
193	TURKISH	85	14		99	87	46	133		232	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	
197	BANGLADESH	13	37		50	1	1	2		52																		
501	SUB-REGION A	247	25		272	7	1	8		280																		
502	SUB-REGION C	9	2		11	0	0	0		11																		
503	SUB-REGION B	1157	104		1261	58	11	69		1330																		

Total	4213	672	185	4885	1378	462	1840	55	6725
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SR-A  
SR-B  
SR-C  
No Report Received



## MINUTES FROM SUB-REGION A MEETING DATED FRIDAY 30TH SEPTEMBER, 2016

### 1. CALL TO ORDER / OPENING REMARKS – Nohad Boudani

The meeting started at 7:00 am as planned.

Nohad Boudani explained that Mr. Khalid Mulhim the SRC-A was not able to attend due to visa problem and hence Nohad was assigned to chair the meeting instead.

Nohad Boudani presented to the audience the report prepared by Khalid Mulhim.

**SRA Report  
Attachment A**

### 2. ROLL CALL:

More than 20 attendees were present at the beginning and the number increased to be around 30 around the end of the meeting.

**Attendance  
Attachment B**

### 3. CHAPTER UPDATES:

The Lebanese Chapter, Falcon Chapter & Qatar Oryx chapter briefed the audience about their respective Chapter's activities and the Chapters' achievements during the past Society year.

### 4. ADHOC COMMITTEE FOR SUB REGION A REPORT:

Mr. Richard Rooley presented his report as the Chair of the Ad Hoc committee for Sub-Region A and highlighted the following points:

- Europe is a problem: Small number of Chapters but large number of members associated with local organizations.
- Problem in Africa: 3 areas of populations, north of Sahara where Egypt has the strongest presence in ASHRAE with research, training and meetings; South Africa is at the bottom of Africa with as many members as Egypt but scattered in the east and west with about 1500 km between the two. They have a strong associate society, run research, do training, and an Associate Society of ASHRAE. ASHRAE tried to form a section or chapter here but there seemed to be no enthusiasm for that.

The Associate organization suggests a strong relationship and from ASHRAE's experience where there is a strong local Association and if ASHRAE tries to expand without telling them they will be unhappy with ASHRAE walking in and them having to probably leave. Due consideration required in deciding to do nothing, form a Chapter in competition or build a better relation with them. It may be considered to do what ASHRAE did in Italy, UK and Ireland, where there are also big Associate societies, where a group of ASHRAE members meet the Associate Societies' members 3 time a year.

- Richard gave his thoughts concerning Nigeria which is located on the west coast of Africa, and was formed to be the Chapter of West Africa.
  - They have 180 members, are a strong group that meet regularly but have not grown a great deal.
  - There are also other Societies in Nigeria.
  - ASHRAE does not understand the political relationship between government and other Societies which is complex. Nigeria has seen an emergence from very corrupt practices in organizations and governments, but getting much better.

Richard said that these issues raised questions which required consideration during the Adhocs study. He reminded all of the fact that the other 2 Sub Regions are also looking at the Regional structure.

He recapped the fact that the RAL Strategic Planning report Report was prepared after a thorough investigation right across the region. The report had revealed that only one European Chapter asked for Europe as a separate region and 4 others proposed they link Europe to Middle East. However Richard noted that these 5 chapters are relatively weak compared to their local Associate societies and it had to be given thought of whether they would be stronger if linked to them or not.

Also required for investigation is to establish if Africa is better off in Sub-Region A; or with South Africa being partly more comfortable with English and having close ties with Europe will be better off and happier being linked to them? Nigeria's place and fit within Sub Region A also needs to be looked at.

As for the Middle East going in with Europe to form a region, attention has to be turned to what would happen to the Indian subcontinent, since if that happened Pakistan would move to Middle East, and this is not simple as one must consider the language and culture.

The model of a Europe only stand alone region with very few, weak chapters, would raise the question of whether it would be viable?

And finally if Europe, Middle East & Pakistan merged into one Region, it had to be thought of how the Indian subcontinent (India) would react.

The comments and discussion that ensued are as follows:

**Dennis Knight:**

Felt that the group does not need to reinvent the wheel and instead be prepared for a discussion and hear the results from the bottom up discussions in Bangkok.

**Shelia Hayter:**

Gave thought to one scenario where RAL split into two regions, India and everything else. The only change then would be that India become a separate region and everything else remained in the region.

**Fadi Abou Jamra:**

Queried what, aside from the cultural differences of the geographical areas, are the technical needs and capabilities of the other areas and what about the standards?

Richard replied that even in the US, each state sets codes based on ASHRAE standards - some over 10 years old; it is very difficult to go to a country like Egypt and say you must write ASHRAE standards into your codes, we would not do that if Egypt looks at CE, DIN, ISO, etc. Data centers - ASHRAE way ahead, if you look at indoor air quality, it is all different - roughly the same.

**Richard Rooley:**

Added that he went round the table in the last CRC meeting in Turkey trying to get a consensus of if the Region should stay as RAL as it is? He asked what the disadvantages were and if it was mainly that it was enormous?

He then revealed that America have flat lined and are not growing whereas the Middle East South Africa, South America are all growing. But looking at RP, Regions in America give thousands of dollars, contrasting with RAL whose contributions are in the hundreds of dollars. This is because the wealth is very different.

It is necessary to examine solutions on how do we deal with such a large RAL and if the Sub Region model should be used as it is now? A large RAL has issues where for example the motions from all 25 chapters takes upto 2 hours of listening to mostly same motions worded slightly different. Sub-regions can instead discuss local needs and capabilities.

**Sheila Hayter:**

Responded to Richard's observations saying that it sounded like the recommendation is that RAL stay as is. She wondered if the committee had considered the model in Ireland and how it works closely with Associate organizations. Her question was, if the issue of whether RAL should subdivide originated from the feeling that the Region is not serving its members enough because it is too big; and that perhaps there could be another model other than a Region, with a different terminology, having a different structure, that could address how to serve the members better. The advantage right now of the Region model ensures that the administration of services is consistent, but she acknowledged that maybe a Sub Region needs more training, advocacy, etc.; and so rather than business as usual, her advice was to look at how RAL could be structured to meet the members needs rather than address the Subdivision directly.

**Richard Rooley:**

reiterated what the history indicates, that is ASHRAE is not serving its members correctly. He then proceeded to ask the attendees if they felt that ASHRAE were serving the members correctly.

**Egypt:**

responded in the affirmative saying that they were trying and actively working on it whereupon Richard asked if they had the machinery to do that. Egypt said they should develop this structure to make it more better.

**Fadi Abou Jamra, from the Qatar Chapter:**

expressed concern that the approach being adopted was going through regions by cultural rather than technical needs and feels Chapters should overcome their culture differences and make an effort to coalesce. Richard replied that though this may not apply to Middle east, India and Pakistan do not work together and it would require have to get the presidents of both countries to allow it.

**Richard Rooley:**

said he would repeating what ASHRAE says in public in that ASHRAE would never say the two could not work together.

He said he was in the process of asking each chapter if they felt they were working well within the sub-region framework and adequately serving their members.

**Comments from the audience:**

People from the audience expressed that they felt much better served by Society than RAL, but the adding of Assistant Regional Vice Chairs would help and adding grassroots chairs in sub-regions is helping.

Richard commented that this structure had only been alive for a few months.

**Sheila Hayter:**

Was skeptical that asking members if they felt they were being served well was not the right question. ASHRAE set up a long time ago, when it was much harder to talk to each other, and therefore perhaps the question would be better framed asking what should the region be doing to serve the members well?

**Richard Rooley:**

Said that the answers for each question would be included in the report. The questions would encompass the 'Need for change', whether members believe chapters being are being served right; the issue of Non-Chapter Members, especially in Europe; what would be the advantage be to a different organization and the reaction to Pakistan and Europe coming nto this sub-region.

India has about 700+/- members. Pakistan +/- 300 members not including students.

**Nohad Boudani:**

Nohad's opinion was that students should not be counted due to the frequent variation in their numbers.

He suggested that RAL should look at the difference between the North American model and the rest of the world. The U.S. population is around 350,000,000 people with 40,000 members, and similarly RAL should look at its chapter members vs population, India (around a billion), Pakistan (hundreds of millions), sub-region A also significant, but most of these areas use English Language for their standards – whereas in Europe for example, each country uses it is own language to write standards and codes.

**Larry M:**

Added that it was an old school thought that in Regions, members were close and could meet together, making it difficult in sub-regions of RAL since they were very spread out; he said that instead it was important to look at how to serve members and not talk about chapters and regions; suggesting further that the word 'regions' be replaced with another lexicon. Richard commented that some would say there are x numbers of chapters, x number of members, therefore a region can be formed but that it is important to start from first principles looking at ASHRAE and what can it do for its members. He added that he did look at this issue in a big study, analyzing by numbers, by culture, by languages and on how to vote, how to structure, etc. and concluded that there are changes needed.

**Fadi Abou Jamra:**

Commented that ASHRAE is not going to create world peace. He cited an example of when IEEE won a court case that the exchange of information should not be restricted as it is needed to advance humanity in general and we should be able to engage better technically to recognize our humanity. Now there is a technical and scientific dialogue between countries.

**Nohad Boudani**

Ended the discussion havig exceeded the allowed and allocated time and acknowledging that there was a lot to discuss but there was a need to focus on the imminent issues.

Meeting adjourned at 9:00 am

**Minutes prepared by Adeeba Mehboob based on notes from Nohad Boudani.**





Shaping Tomorrow's  
Built Environment Today

# Sub-Region A

Prepared by Khalid Al Mulhim, SRC

Presented By Nohad Boudani

Super CRC 2016 Bangkok

Sept 30<sup>th</sup> –Oct 2<sup>nd</sup>, 2016

# Achievements of the Sub-Region

- **Reactivating Bahrain Chapter:**
  - Given full support in the revival of Bahrain Chapter after pausing for 5 years.
  - Chapter delegate and alternate, and board officers are now attending the CRC.
  - The local numbers have increased.
  - We have already started membership drive with encouraging results. At present, Bahrain Chapter have around 30 student member with formation of a Student Branch in hand.

# Achievements of the Sub-Region

- **Forming new Chapter in Jordan to better serve our members**
  - Visited Jordan and meet with ASHRAE members to provide our continuous support and to encourage forming a new chapter.
  - A presentation delivered to highlight the chapter formation steps; steering committee and chapter officers roles and responsibilities.
  - During the visit ASHRAE members in Jordan has a total of 21 ASHRAE members. and we have 10 members whom there membership was not renewed.
  - We are working hard to promote new members to join to reach the number before November end. This time we have to finalize the chapter by next ASHRAE Winter meeting.
  - If not, may be a good option for Jordan to start out as a section under Lebanese Sponsorship since it only requires a total of 10 ASHRAE members and they could later become chapter when they reach 40 members in good standing.

# Achievements (of the Sub-Region and not SRC)

- **Falcon Chapter had successful organized a visit for President Tim Wentz on 23<sup>rd</sup> and 24<sup>th</sup> March, 2016.** Mr. Tim Wentz ASHRAE President elect had a visit to Falcon Chapter along with Mr. Farooq Mehboob DRC of Region at Large the visit has been organized by Dr. Ahmed Alaa Eldin RVC-GGAC Region at Large and successfully meet several key organization- in UAE.
- **Saudi Chapter had promoted membership** via 2016 Saudi Arabian MEP Exhibition.
- **6<sup>th</sup> International Conference on Energy Research and Development in State of Kuwait, March 14-16, 2016,** Organized by Kuwait University (KU), ASHRAE. Many papers has been presented in different areas such as Energy Challenges, Renewable Energy, Thermal Comfort and IAQ , Cooling Technologies, Energy Management and Performance.
- **2<sup>nd</sup> International Conference on Efficient Building Design : Material and HVAC Equipment Technology in Lebanon, September 22-23, 2016,** Organized by American University of Beirut (AUB) and ASHRAE. The technical program covers several topics. The topics include but are not limited to:
  - Sustainable building designs
  - Energy efficiency standards
  - Building materials
  - Indoor air quality systems
  - HVAC and different technologies
  - Solar heating and cooling for the built environment
  - Systems for cooling and water production for hot humid climates

# MBOs to meet the ASHRAE strategy

MBO	Status	Due Date	MBO Comments
1. Forming new Section/Chapter in Jordan to better serve our members	Open	4 <sup>th</sup> Q 2016	<ul style="list-style-type: none"> <li>As of yet the necessary numbers of local members in Jordan did not reach to our anticipation to form a chapter.</li> <li>We are working hard to promote new members to join to reach the number before November end. This time we have to finalize the chapter by next ASHRAE Winter meeting and We make it happen...</li> </ul>
2. Assist RAL Sub Region A Strategic Planning Adhoc committee	New	4 <sup>th</sup> Q 2017	<ul style="list-style-type: none"> <li>Work with the committee to review how all our members in Africa can be served in the best way.</li> </ul>
3. Establish a new section/chapter in Alexandria , Egypt	Open	2 <sup>nd</sup> Q 2017	<ul style="list-style-type: none"> <li>Dr.Ahmed Alla is working closely with the local members and establishing communications to start the process to see the best fit to form a new section/chapter in Kenya.</li> </ul>
4. Assist Oman Section to become Chapter	Pending	2 <sup>nd</sup> Q 2017	<ul style="list-style-type: none"> <li>Due to financial issues and lack of ASHRAE members participation and time action plan with local section could not be achieved to increase membership to 50 members</li> </ul>
5. Possible Iraqi Chapter	Open	4 <sup>th</sup> Q 2017	<ul style="list-style-type: none"> <li>Try to work on how to increase the number of membership in Iraq and encourage more engineers to join ASHRAE.</li> </ul>

Thank  
you

**SRC A MEETING KRUNGTHAP-2**Date: 30<sup>th</sup> September, 2016**Attendance Sheet**

<u>S.No.</u>	<u>Name</u>	<u>Chapter</u>	<u>Designation</u>	<u>Signature</u>
1	Nohad Boudani	RMCRC →	LEBANON	Boudani
2	Mary Townsend	ASHRAE Staff	Exec. Asst to Board	Mary Townsend
3	Riad ASSAF	Lebanon	Alternate president	Riad ASSAF
4	Saleh El Zein	Lebanese	Delegate	Saleh El Zein
5	Ebrahim Alhajri	Falcon	President	Ebrahim Alhajri
6	Liju Thomas Eapen	Falcon	President- Elect.	Liju Thomas Eapen
7	Dennis Knight	# 114 Charleston	DAL	Dennis Knight
8	Lawrence Markel	Region VII East Tennessee	DAL	Lawrence Markel
9	Edward Tsui	Hong Kong	Society VP	Edward Tsui
10	Jeff Littleton	Staff	EVP	Jeff Littleton
11	Douglas Fahn	Indiana DRC	DRC	Douglas Fahn
12	Kim MITCHELL	ASHRAE	Staff Dir. Dev	Kim MITCHELL
13	CRAG WRIGHT	"	STAFF DIR.	CRAG WRIGHT
14	Nichel Hagek	Lebanese	RVC-BA RAL	Nichel Hagek
15	Richard Rooley	—	Adhoc chair	R. Rooley
16	LARRY FISHER	LOUISVILLE	DRC-RVII	Larry Fisher
17	Ahmed Nouy	CAIRO	ARVC	Ahmed Nouy
18	Hesham Safwat	Cairo	Delegate	Hesham Safwat
19	DAN ENT-HART	DAKAS	DAL	DAN ENT-HART

ATTACHMENT-B

<u>S No.</u>	<u>Name</u>	<u>Chapter</u>	<u>Designation</u>	<u>Signature</u>
<u>20</u>	Mark Fly	USA NEOklahoma	DAL	Mark Fly
<u>21</u>	KARINE LEBLANC	SOCAL	DRC RX	Kall
<u>22</u>	FADI ABAL JANSA	ORIX	Chapter Treasurer	Fadi
<u>23</u>	Bassel Anbari	Falcon	Nominating Committee RAL	Bassel
<u>24</u>	Azmi S. About-Hoda	Falcon	Publicity Chair	Azmi
<u>25</u>	ADIL INAM	BAHRAIN	TREASURER	Adil
<u>26</u>	Sheela Hayer	Rocky Mtn	ASARAE Treasurer	Sheela Hayer
<u>27</u>	Farooq Makhadmeh		DR. RAL	Farooq
<u>28</u>	David Underwood		Pm 15-16	David
<u>29</u>	Tim Wentz		President	Tim
<u>30</u>				
<u>31</u>				
<u>32</u>				
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<u>41</u>				
<u>42</u>				





**MINUTES FROM SUB-REGION B MEETING DATED FRIDAY 30TH SEPTEMBER, 2016,  
KRUNGTHREP 1**

**1. CALL TO ORDER / OPENING REMARKS – Ken Goodman**

The meeting started at 7:00 am as planned.

Ken Goodman Sub Region Chair B, chaired the meeting

The meeting was attended by 23 members.

**Attendance  
Attachment A**

**2. OVERVIEW OF SRB ACTIVITIES:**

Ken presented an overview of SRB activities (see attached presentation)

**SRB  
Presentation  
Attachment B**

a) Currently Five Chapters in SRB

- i. Spain
- ii. Portugal
- iii. Danube
- iv. Turkey
- v. Hellenic

b) Currently three Sections in SRB

- i. Ireland
- ii. UK Midlands
- iii. Cyprus

BeNeLux was dissolved due to limited activity

c) European Solar Decathlon has not been announced yet but 2 Universities from Europe competing in 2017. SRB sent mail of support from ASHRAE SRB.

d) SRB main activity has been supporting UK & Ireland Sections with great results

e) SRB went through his priorities for the year

- i. UK Midlands and Ireland Sections targeting to evolve to Chapters by June 2017
- ii. Aim to have 2 UK Midlands and 2 Ireland Student branches by June 2017
- iii. Ken planning to travel to the Danube Chapter in December and Spain, Portugal and Turkey in 2017
- iv. One of SRB priorities is to travel to Cyprus Section to support similar to as what was achieved in UK Midlands and Ireland
- v. Potential for new Scotland Section

vi. Student Chapters in the SRB are:

- Danube has (7) SBs
- Turkey has (3-4) SBs
- Nordic has (1) SB
- Have new ARVCs, one is dedicated to student involvement

### 3. OVERVIEW OF CHAPTER ACTIVITIES:

Marija went through Danube Chapter updates (see attached presentation)

- a. Danube Chapter celebrating 10 years.
- b. Have conferences and a congress scheduled.
- c. There is International cooperation focusing on standardization, education and R&D. Helping transitional countries that are struggling with industry. BIPV standardization is focus of several meetings.

### 4. ADHOC COMMITTEE REPORT:

David Underwood update

- a. There is a survey being developed for all members of SRB to help determine what should be done in the near term. National Associations being notified to give them a heads up on why the survey is being distributed.
- b. Discussion on working with National Societies and Organizations in Europe to avoid conflict. ASHRAE is trying to avoid conflict with kindred societies

### 5. MOTIONS:

Ken went through his proposed motions. These were to be presented at the business meeting.



### 6. OTHER BUSINESS:

- a. Danube Chapter provided updates on what they are doing, specifically relating to the great work with the Student branches.
- b. Bjarne wishes Europe would be stronger and better represented. Perhaps with Europe as a Region. This will be reviewed in the Ad-Hoc.



Minutes prepared by Ken Goodman.

**SRC B MEETING KRUNGTHAP 1**Date: 30<sup>th</sup> September, 2016**Attendance Sheet**

<u>S.No.</u>	<u>Name</u>	<u>Chapter</u>	<u>Designation</u>	<u>Signature</u>
<u>1</u>	KEN GOODMAN	IRELAND	SRC B	
<u>2</u>	Ben Skelton	Illinois	DRC RVI	
<u>3</u>	Tom Lawrence	Atlanta	DAL	
<u>4</u>	Patrick McLaman	Staff	Dev- RP	
<u>5</u>	Jeff Littleton	Staff	EVP	
<u>6</u>	JOYCE ABRAMS	STAFF	DIRECTOR STAFF MEMB SVCS	
<u>7</u>	Billy Austin	<del>Southern Piedmont</del>	DRC IV	
<u>8</u>	Steve Comstock	STAFF	DIRECTOR PUBS + EDU	
<u>9</u>	ALEXANDAR ANDELKOVIC	DANUBE	C. CHAIR	
<u>10</u>	BRATISLAVA TOPOROVIC	DANUBE	PRESIDENT Elect	
<u>11</u>	Yanija Toporovic	Danube	Council Chair	
<u>12</u>	BRATISLAVA BLAGJEVIC	DANUBE	CTTC, ANVC	
<u>13</u>	Bjarne W. Olesen	-	Society P-club	
<u>14</u>	David Underwood	Toronto	Pres Member	
<u>15</u>	M. Baris Ozerdem	Turkish	Alternate	
<u>16</u>	Atilla BIRIKOGLU	Turkish	ANVC - SRC-B	
<u>17</u>	Charalampos Giannikopoulos	Hellenic (GREECE)	ML	
<u>18</u>	Ken Knox	DRC RVIII AUSTIN		
<u>19</u>	Pat Graft	SWFL	Soc VP	

ATTACHMENT-A

<u>S No.</u>	<u>Name</u>	<u>Chapter</u>	<u>Designation</u>	<u>Signature</u>
<u>20</u>	Bill McQuade	Central Penn	D.A.L	
<u>21</u>	IRENE REICHER	Douglas	RFL	
<u>22</u>	TIM DWYER	-	RAZ	
<u>23</u>				
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## Sub Region B

Business Session

Bangkok CRC

2016

BeNeLux Section  
Dissolved



**TECHNICAL  
DIFFICULTIES:**

## Ireland Section – What Happened

- First Board inaugurated in October
- Inauguration event held at Dublin Castle in February
- Increased Local Interest



## Ireland Section – To Come

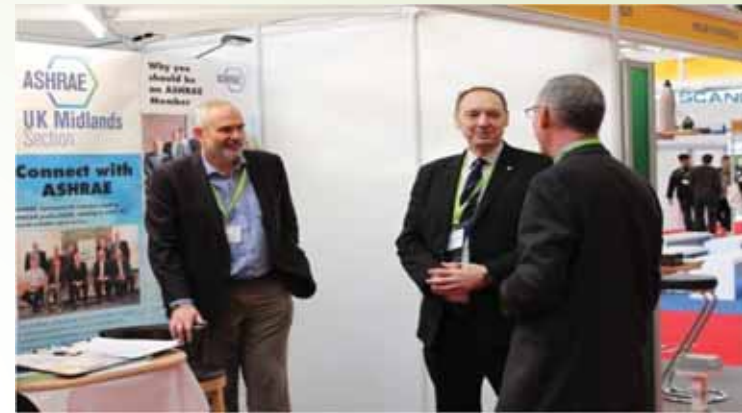
- Visit of Timothy Wentz
- Event planned in Cork Technical College October
- CIBSE-ASHRAE collaborative event with both CIBSE-Ireland and ASHRAE-Ireland in March 2017
- Annual Event in planning Q2 2017
- Interest in ASHRAE Training and Certification ongoing
- Student Branches
- A new Chapter?





## UK Midlands Section – What Happened

- Fresh drive from Past President Steve Gill
- Bi-annual Air conditioning and Refrigeration trade show at NEC, Birmingham
- Loughborough University Event in April
- Collaborative Event in June with Multiple Partners
- Collaborative Event in September with CIBSE-ASHRAE and Energy Institute



ASHRAE UK Midlands Section

IOR  
ior.org.uk

BSRA  
Birmingham Society of Refrigeration & Air Conditioning

CIBSE  
West Midlands

UNIVERSITY OF  
BIRMINGHAM

BIRMINGHAM  
ENERGY INSTITUTE

## UK Midlands Section – To Come

- New Drive mirrored by new President Edward Murphy
- Visit of Tim Wentz to Loughborough University in October
- Collaborative Event in October
- Interest in ASHRAE Training and Certification ongoing
- Student Branches
- A new Chapter?



## Cyprus Section

- Ongoing connection
- Visit to be organized in 2016



Search ID: rman15066

"It's from Cyprus — They  
need our help."

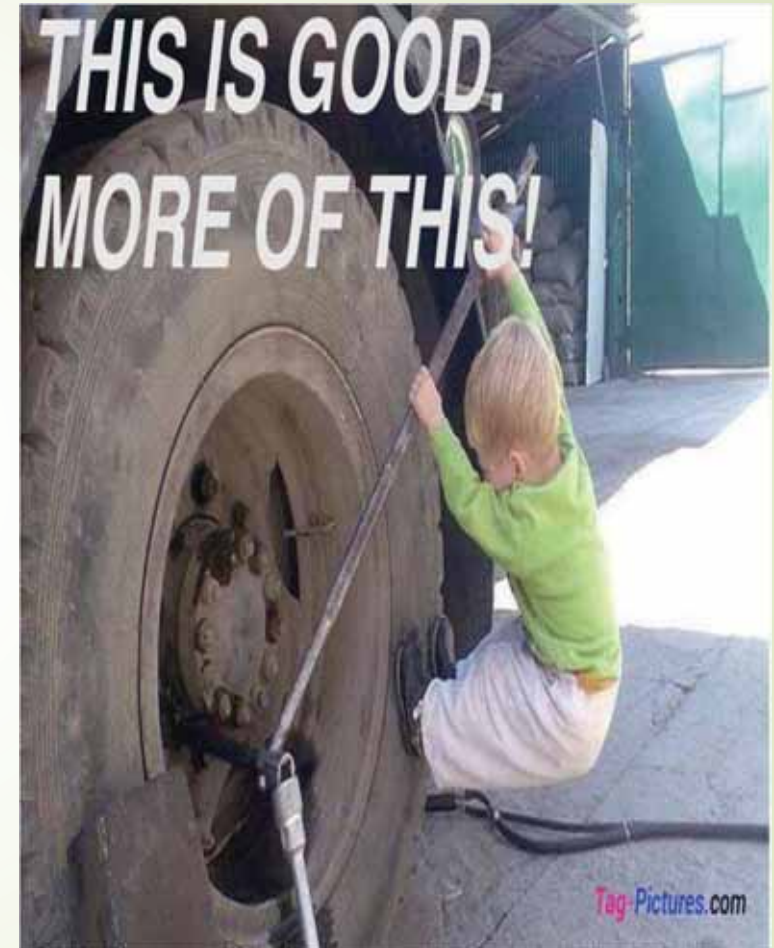
## SRB – What Happened

- ▶ Ad-Hoc for SRB formed for improved member engagement
- ▶ 2 x Multi Trip DL organized in 2016
- ▶ Connection made with YEA and CIBSE YEN for collaboration
- ▶ Monthly discussions with the Institute of Refrigeration and ASHRAE Midlands UK
- ▶ Developing initiative for technical events being streamed online
- ▶ Offered assistance and support to 2 European Universities currently participating in Solar Decathlon



## SRB – To Come (MBO)

- SRB Ad-Hoc Outcomes to be addressed
- More Multi Trip DL's to be organized in 2017
- Further assistance to Ireland and UK to gain Chapter status and initiate Student Branches
- Provide assistance for Cyprus
- Increase the number of participants in monthly call with IOR
- Develop initiative to stream technical events online
- A new Scottish Section?



## Commiserations US Ryder Cup





**THANKS  
FOR  
LISTENING**



## MBO FUNCTIONAL PLANNING GUIDE WORKSHEET

Region: Sub Region B  
 Prepared by: Ken Goodman  
 Position: Sub Region Chair

PRIORITY	OBJECTIVE	MEASUREMENT DEVICE (ACTION)	DUE DATE	STATUS AS OF 10\16
1	SRB Ad-Hoc Objectives	Respond to outcomes of Ad-Hoc	03\17	N/A
2	Assistance for Cyprus	Visit Section	12\16	In planning
3	New Scotland Section	New Section Formation	04\17	No Section
4	Increase Collaboration within Sub Region	<ul style="list-style-type: none"> <li>• Increase Technical Online Event Sharing</li> <li>• Increase Communication Between Chapters and Sections</li> <li>• Communication with Interested Partners</li> </ul>	07\17	Ongoing
5	Organize Multi Chapter DL Visit	Complete Multi Chapter DL Visit Logistics	07\17	N/A
6	Ireland and UK Section to develop to Chapter	New Chapter Status	07\17	Section Status
7	New Student Branches	New Student Branches	07\17	No student branches
8	Chapter Support	Visit Chapters in SRB	10\17	N/A
9	Support for Solar Decathlon	As requested from participants	10\17	Initial Offer of Support Made

Date prepared: September 2016





## MINUTES FROM SUB-REGION C MEETING DATED FRIDAY 30TH SEPTEMBER, 2016

### 1. CALL TO ORDER / OPENING REMARKS – Sajid Abbas

The meeting started at 7:00 am as planned.

Abbas Sajid, Sub Region Chair C, chaired the meeting. He welcomed everyone present and gave special thanks to the Society President, Tim Wentz and the RAL DRC, Farooq Mehboob for all their support to ASHRAE and RAL.

He requested an Introduction of those present.

**Attendance  
Attachment A**

The meeting was attended by 32 members.

### 2. CHAPTER REPORTS:

Chapter reports were presented by Sajid. The program & membership details were also shared.

### 3. ADHOC COMMITTEE REPORT:

First, **Farooq Mehboob** introduced the ARVC's and briefed everyone about the Ad-hoc set up last year for the development of RAL and gave the background as to why the new positions were introduced. He also gave the details of different rules the ARVC will play. He then thanked all of the attendees for their constant support to ASHRAE and RAL.

Society President, **Tim Wentz** mentioned the importance of this joint CRC and reiterated that the Board were present for any queries from members.

**Ron Jarnagin**, the Adhoc Committee Chair took the floor to give his report. After introducing the ad-hoc, he stressed that the decision remains with the Region for future developments. He observed that 1800 people with 6 chapters is the requirement for region formation.

**Pankaj Dharkar**, CRC Chair commented that the situation is complex and requested all to take decisions for future with serious deliberation.

### 4. MOTIONS:

- Chennai Chapter: - **M. P. Maiya** briefed about the motion. Pankaj said motions worthy will only be carried forward. **Krishnan** briefed about academic timing for India & Pakistan. (In Favour) Siddavi – (North Pakistan) – amount received after six months (In favour). Pune – Similar problems. (17 - 0 - 0)
- N. Pakistan: - Similar problems – chair not voting.

- Pune Chapter Motion – Briefed about the amount for grants. **Farooq** asked the difference **Tim Wentz** suggested this is action item. Independent student can apply for grants or not. (13-1-1)
- India Chapter Motion - A/C Tech - **Farooq** said its action item & motion withdrawn.
- India Chapter Motion (YEA) – Background briefed by India Chapter, **Krishnan** added to have sectional heads included also (17-0-0).
- Northern Pakistan Motion– Chair briefed about the same and said it's a technical issue & not motion. **Joyce Abrams** said it's doable & IT staff will do it. Motion withdrawn.
- N. Pakistan Motion – CIQ to CIP /Motion withdrawn & action item.
- N. Pakistan Motion – DL to ALI. (15-0-2)
- Sri Lanka Motion– Withdrawn after discussions.
- SRC should travels to different chapters for future development. **Dr. Essam** also suggested SRCs to travel to chapters.
- Bangladesh Chapter attending the first CRC. **Sajid** briefed how Bangladesh chapter was formed and spoke about the Installation Ceremony.
- Bangalore Chapter Motion - (16-0-0) Refrigeration chair transportation
- Mumbai Chapter Motion - Section head (16-0-0) section head transportation
- It was discussed that all past, current motion results to be communicated to all members or concerned people.
- Bangladesh Chapter thanked the appreciation given to them.

All motion results are (In Favour, Opposed, Abstain) and approved motion will forwarded for discussion in the Business meeting of the CRC.

## 5. OTHER BUSINESS:

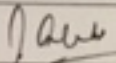
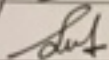
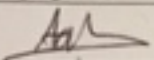
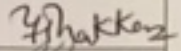
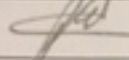

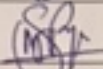
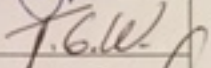
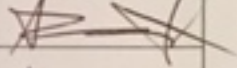
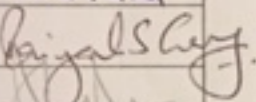
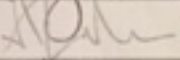
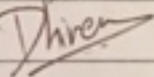
Membership renewal was discussed & it was felt that with ARVCs it will be better.

**Minutes prepared by Mohammad Abbas Sajid.**

SRC C MEETING KRUNGTHAP-3Date: 30<sup>th</sup> September, 2016Attendance Sheet

S.No.	Name	Chapter	Designation	Signature
1	M. R. BAIG	N. Pakistan	Delegate	
2	Taj Muhammad Rizvi	N. Pakistan	ALTERNATE.	
3	M. PRAKASH MAIYA	CHENNAI	Delegate	Maiya MP
4	Mansoor J. Bhavnagarwala	Chennai	ALTERNATE	
5	Piyasiri Kalubowila	Sri Lanka	Delegato	
6	Mahendra Seneviratne	Sri Lanka	Alternate	
7	FAHAD HASAN	PAKISTAN	DELEGATE	
8	SATISH K. BOLLAPODDY	DECCAN	DELEGATE	
9	GIAN CHAND MODGIL	INDIA	ARVC-GGAC	
10	KRISHNAN V	MUMBAI	ARVC-CTIC	
11	Daniel Roger	FL West Coast	DRVC Reg III	
12	Essam E. Khalil	CAIRO	D.A.L.	
13	ATHER NASEEM SIDDIQUI	NPC	ARVC	
14	NITIN NAIK	MUMBAI	DELEGATE	
15	VIRESH RUTAL	MUMBAI	ALTERNATE	
16	A PANDIMURALI	BANGALORE	DELEGATE	
17	KIRITI MITRA	BANGLADESH	ALTERNATE	
18	RAJAN PATNE	PUNE	DELEGATE	
19	SANDESH BHURE	PUNE	ALTERNATE	

## ATTACHMENT-A

S No.	Name	Chapter	Designation	Signature
20	Amer Abbas	Central Pakistan	Delegate	
21	Syed Shohayad Raza	Central Pakistan	Alternate	
22	Agkash Patel	Western India	Alternate	
23	Yogesh Thakur	Western India	ARVC-Member	
24	Parraj Dhanraj	WI Chapter	CRC-Chair	
25	Mamank K. Mitra	Bangladesh	<del>President</del> Delegate	
26	Nagaraju	Bangalore	Alternate	
27	Tim Wente	Nebraska	Society Pres.	
28	FARUQ MATHBOOB	PAKISTAN	IRC	
29	KRISHNA MITRA	INDIA	DELEGATE	K.G. Mitra
30	PRIYANK GARG	INDIA	<del>DELEGATE</del> ALTERNATE	
31	AKBAR ZAHEER	PAKISTAN	ALTERNATE	
32	Dhiren Shukla	Western India	Delegate	
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## Region-At-Large

### 2017-2018 Delegates and Alternates

Chapter Name	Full Name	Position	Email	Print Grade
INDIA	Mr Priyank S Garg	Chapter Delegate	priyank.garg@advancevalves.com	Associate
INDIA	Mr Indrajit Bhattacharya	Chapter Alternate	indrajit@twigafiber.com	Member
SAUDI ARABIA	Mr Ahmad A Al-Mulla	Chapter Delegate	ahmad.mulla.1@aramco.com	Member
SAUDI ARABIA	Mr Rabea Manakhah	Chapter Alternate	rabea.manakhah@aramco.com	Associate
CAIRO		Chapter Delegate		
CAIRO		Chapter Alternate		
LEBANESE	Mr Saleh M El-Zein	Chapter Delegate	saleh.elzein@catgroup.net	Member
LEBANESE		Chapter Alternate		
WESTERN INDIA	Mr Aakash A Patel	Chapter Delegate	aakash@volpaksystems.co.in	Member
WESTERN INDIA	Mr Rajen Balvantrai Vyas	Chapter Alternate	rajenbvayas@gmail.com	Associate
KUWAIT	Dr Sorour A Alotaibi	Chapter Delegate	sr.alotaibi@gmail.com	Member
KUWAIT		Chapter Alternate		
ASHRAE BANGALORE	Mr Sagiraju Nagaraju	Chapter Delegate	raju@sapthagroup.com	Member
ASHRAE BANGALORE	Mr Madhukar Adhyam	Chapter Alternate	madhukar.adhyam@gmail.com	Associate
SRI LANKAN	Mr Mahendra Senevirathne	Chapter Delegate	senevi@noulanka.lk	Associate
SRI LANKAN	Mr Prashantha P Hewapathirana	Chapter Alternate	prashantha.hewapathirana@hnb.lk	Member
PAKISTAN	Mr Akbar Zaheer	Chapter Delegate	akbar.zaheer@engatechinternational.com	Member
PAKISTAN	Mr Ahmad Rizwan	Chapter Alternate	ahmad.rizwan@shangroup.net	Member
ASHRAE FALCON	Mr Mohamed Altayeb Ibrahim	Chapter Delegate	aqraa@hotmail.com	Member
ASHRAE FALCON	Mr Amr Adel Galal	Chapter Alternate	amr.galal@siemens.com	Member
NORTHERN PAKISTAN	Mr Taj Muhammad Rizvi	Chapter Delegate	taj.rizvi@gmail.com	Member
NORTHERN PAKISTAN	Mr Ahmad Nawaz	Chapter Alternate	ahmad.nawaz@ahworld.com.pk	Member
BAHRAIN		Chapter Delegate		
BAHRAIN		Chapter Alternate		
QATAR ORYX	Mr Fadi Issam AbouJamra	Chapter Delegate	fadi71@yahoo.com	Associate
QATAR ORYX	Mr Ghassan Trabolsi, PE	Chapter Alternate	gatrabolsi@gmail.com	Member
CHENNAI	Mr Mansoor J Bhavnagarwala	Chapter Delegate	air.1stconsult@gmail.com	Member
CHENNAI		Chapter Alternate		
PUNE	Mr Sandesh P Bhure	Chapter Delegate	sandesh@thorobuildcare.co.in	Member
PUNE	Mr Panduang G Salunkhe	Chapter Alternate	pravin_salunkhe@yahoo.com	Member
ASHRAE NIGERIA	Mr Babatunde Adedoyin Ogunde	Chapter Delegate	baogunde@gmail.com	Associate
ASHRAE NIGERIA	Mr Usman Abdulrahman	Chapter Alternate	uabdulrahman@mcadog.org	Associate
ASHRAE MUMBAI	Mr Viresh Ruhel	Chapter Delegate	vruhal@gmail.com	Associate
ASHRAE MUMBAI	Mr Shankar Sapaliga, Eng	Chapter Alternate	shankar_sapaliga@yahoo.com	Member
CENTRAL PAKISTAN		Chapter Delegate		
CENTRAL PAKISTAN		Chapter Alternate		
ASHRAE DECCAN	Mr Bashyam Kalyanaraman	Chapter Delegate	bka@sricomforts.com	Associate
ASHRAE DECCAN	Mr Chakradhar Majety	Chapter Alternate	chakradhar@mepjobsindia.com	Member
TURKISH		Chapter Delegate		
TURKISH		Chapter Alternate		
BANGLADESH		Chapter Delegate		
BANGLADESH		Chapter Alternate		

## REGION-AT-LARGE Region Officers

As of 8/23/2017

8032054

**Dr Ebrahim S Al-Hajri**

PO Box 2533

Abu Dhabi, UNITED ARAB EMIRATES

Petroleum Institute

Phone: +971556649955 Fax: 26075194

Email: ealhajri@ashraeuae.org

Position	Begin Date	End Date
Region Sub-Region I Chair	07/01/2017	06/30/2018

8100988

**Mr Nitin Naik, Eng**

T-2 Fatima Chambers Dr A B Road

Panaji, Goa 403001 INDIA

Phone: 919890047305 Fax: 918326647745

Email: nitin@dewpoint.in

Position	Begin Date	End Date
Region Sub-Region II Chair	07/01/2017	06/30/2018

491818

**Mr Farooq Mehboob**Suite 4, 4th Floor, Dean Arcade  
Block 8 Clifton

Karachi, Sindh 75500 PAKISTAN

S Mehboob &amp; Company Consulting Engs

Phone: 2135870515 Fax: 2135861928

Email: farooq.mehboob@smehboob.com

Position	Begin Date	End Date
Region Director and Regional Chair	07/01/2017	06/30/2018

5131208

**Mr Richie Mittal**

1621, Sector C1, Vasant Kunj

New Delhi, 110070 INDIA

Overdrive Engineering Pvt Ltd

Phone: 0091874400006 Fax:  
5

Email: richiemittal@gmail.com

Position	Begin Date	End Date
Region Members Council Rep	07/01/2017	06/30/2018

8102756

**Dr Ahmed Alaa Eldin Mohamed PhD**T.C.A SHK.Omar Bin Zayed Building  
next to RAK Bank

Abu Dhabi, 105613 UNITED ARAB EMIRATES

Middle East Gate Holding (MEG)

Phone: 526799993 Fax: 26504081

Email: ahmed.alaa@ashraeuae.org

Position	Begin Date	End Date
Region Assistant Regional Chair	07/01/2017	06/30/2018

8011286

**Mr Mohammad H Al Tassi**Office 46 in RCT, KAPSARC  
RUH Airport Road

Riyadh, 11672 SAUDI ARABIA

King Abdullah Petroleum Studies and Research Center  
(KAPSARC)

Phone: 966505933661 Fax:

Email: mohd.tassi@gmail.com

Position	Begin Date	End Date
Region Chapter Technology Transfer	07/01/2017	06/30/2018

5074008

**Mr Wimalachandra Jayakody, PE, CEO**

No 14 4th Lane

Nawala,Rajagiriya., 10107 SRI LANKA

Inaire (Pvt) Ltd

Phone: 0094777712662 Fax: 94112806857

Email: inaire@sltnet.lk

Position	Begin Date	End Date
Region Membership Promotion	07/01/2017	06/30/2018

8176184

**Mr Aakash A Patel**B/42, Soham, Someshwar Complex 1  
Satellite Road

Ahmedabad, Gujarat 380015 INDIA

Phone: 9925027859 Fax: 7926841502

Email: aakash@volpaksystems.co.in

Position	Begin Date	End Date
Region Research Promotion	07/01/2017	06/30/2018

## REGION-AT-LARGE Region Officers

As of 8/23/2017

8039986

**Prof Michel D Hayek**

P.O.Box 72 Zouk-Mikael

Zouk-Mosbeh, ----- LEBANON

Notre Dame University

Phone: 9613444331 Fax: 9619218771

Email: mhayek@ndu.edu.lb

Position	Begin Date	End Date
Region Student Activities	07/01/2017	06/30/2018

8180718

**Mr Muhammad O Khan**

Block No 4 Metroville S.I.T.E B-381

Karachi, 75840 PAKISTAN

Shan Associates

Phone: 0334-2132703 Fax:

Email: m.umer.khan.329@gmail.com

Position	Begin Date	End Date
Region YEA	07/01/2017	06/30/2018

7982245

**Mr Maged Fouad Hashem, Eng**

161 Elguish Ave Kleopatra

Alexandria, EGYPT

Novovent Egypt Co

Phone: 0020233350410 Fax: 0020325461606

Email: maged@mag-center.com

Position	Begin Date	End Date
Region Grassroots Government Advocacy	07/01/2017	06/30/2018
Region CRC General Chair	07/01/2017	06/30/2018

8074108

**Mr Mehmet Baris Ozerdem**

Sakarya Caddesi No: 156 Balçova

Izmir, 35330 TURKEY

Izmir University of Economics Faculty of Engineering and Computer Sciences

Phone: +905322964838 Fax: +902322792626

Email: baris.ozerdem@ieu.edu.tr

Position	Begin Date	End Date
Region Regional Historian	07/01/2017	06/30/2018

2019650

**Mr Mohammed B Anbari, PE**

P.O Box 43528; Airport Road,UNB Blg

Abu Dhabi, UNITED ARAB EMIRATES

InterCool

Phone: 971506670527 Fax: 97126419773

Email: bassel@intercool.ae

Position	Begin Date	End Date
Region Nominating Committee Member	07/01/2017	06/30/2018

5102168

**Mr Krishnan Viswanath**E1 NANDDHAM INDUSTRIAL ESTATE  
MAROL MAROSHI MG MAROL ANDHERI (E)

MUMBAI 400059, Maharashtra INDIA

DYNACRAFT AIR CONTROLS &amp; AIR TECHNOLOGY &amp; SYSTEMS

Phone: 912229201996 Fax: 912229205200

Email: krishnan@dynacraftindia.com

Position	Begin Date	End Date
Region Nominating Committee Alternate	07/01/2017	06/30/2018

**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.



## **GUIDELINE FOR CONDUCTING CHAPTERS REGIONAL CONFERENCES**

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### **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.

**2016-2017**  
**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](http://www.ashrae.org), login using your email address and password. Click on the Society Groups tab and select Chapters. Scroll down and click on the generic PAOE newsletter then select View Reports. On the next page, select **Area Assigned Member Count Listing** and click the submit button. The next page is the listing of Area Assigned Members and Students by chapter and region.
- **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 in the Chapter Management Reports posted on the ASHRAE website at [www.ashrae.org](http://www.ashrae.org). From the ASHRAE homepage, login using your email address and password. Select the Society Groups tab, then Chapters. On the left side of the screen, select Run Reports then click on the link for your chapter. On the next page, click on Run Chapter Reports, select **Run Chapter Dues Paid to Society Report by Date**.
- **New members to date** = new chapter dues paying members (available from the **New Members Report**. This report is included in the Chapter Management Reports posted on the ASHRAE website at [www.ashrae.org](http://www.ashrae.org). (See instructions above in Chapter Dues Paying Members), then select **Run New Member Report by Date**.
- **Delinquent members to date** = delinquent area assigned members (available from the **Society Unpaid Dues Report-Members**. This report is included in the Chapter Management Reports on the ASHRAE website at [www.ashrae.org](http://www.ashrae.org). (See instructions above in Chapter Dues Paying Members), then select **Run Chapter Delinquency Report by Date**.

**Instructions to access the Chapter Management 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](mailto:dgurley@ashrae.org)); or Vickie Grant ([vgrant@ashrae.org](mailto:vgrant@ashrae.org)) or Tammy Catchings ([tcatchings@ashrae.org](mailto:tcatchings@ashrae.org)).**

**2. STUDENT ACTIVITIES:**

The number of new student members is available from chapter membership report.  
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.

**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.

**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.

**5. GRASSROOTS GOVERNMENT ADVOCACY:**

List the Chapter goals and grassroots activities of the past year.

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.

Other grassroots activities not mentioned above.

**6. CHAPTER HISTORY:**

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

**7. 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.

## 2016-2017 ASHRAE CRC CHAPTER SUMMARY REPORT

REGION			
CRC LOCATION			
CHAPTER			
CHAPTER NUMBER			
<b>1. MEMBERSHIP PROMOTION</b>	<b>CHAPTER WEBSITE:</b>		
NUMBER OF AREA-ASSIGNED MEMBERS (AAM)	<b>YTD/REPORTED 2016-2017</b>	<b>REPORTED 2015-2016</b>	<b>REPORTED 2014-2015</b>
NUMBER OF CHAPTER DUES PAYING MEMBERS (CDPM)			
NUMBER OF NEW MEMBERS TO DATE (AAM)			
NUMBER OF MEMBERS DELINQUENT TO DATE (AAM)			
<b>2. STUDENT ACTIVITIES</b>			
NUMBER OF NEW STUDENT MEMBERS			
NUMBER OF ACTIVE STUDENT BRANCHES			
<b>3. CHAPTER TECHNOLOGY TRANSFER</b>			
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			
<b>4. RESEARCH PROMOTION/FUNDRAISING</b>			
CHAPTER GOAL			
TOTAL DOLLARS CONTRIBUTED			
<b>5. GRASSROOTS GOVERNMENT ADVOCACY:</b>			
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)			

<b>6. CHAPTER HISTORY</b>				
CHAPTER HISTORICAL DISPLAY AT CRC				
CHAPTER HISTORY MOVED TO WEB SITE				
<b>7. FINANCES</b>				
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.



## 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-AT-LARGE****ASHRAE BANGALORE**

Member ID	Name	Current Grade	Award Description
8100194	Mr Satish N Iyengar	Member	2016 - Chapter Service Award
8102461	Mr Ramesh G Kumar	Member	2011 - Lincoln Bouillon Award
5200253	Mr S Prasanna Kumar	Member	2013 - Chapter Service Award
5015172	Mr D Nirmal Ram	Fellow Member	2007 - Fellow Award
5015172	Mr D Nirmal Ram	Fellow Member	2009 - Chapter Service Award
5124543	Mr Pankaj J Shah	Member	2010 - Chapter Service Award
680670	Mr Roddam V Simha	Fellow Life Member	1996 - Fellow Award
680670	Mr Roddam V Simha	Fellow Life Member	2009 - Chapter Service Award
683910	Mr Nedungat Sivasankaran	Life Member	2010 - Chapter Service Award
5208825	Mr Bhagavan Srinivasan	Member	2013 - Chapter Service Award
8107993	Mr C Subramaniam	Member	2017 - Chapter Service Award
5106190	Mr Haridas Uppath	Member	2010 - Chapter Service Award
7977742	Mr Seval V Venkatachalam, PE	Member	2016 - Chapter Service Award

**ASHRAE FALCON**

Member ID	Name	Current Grade	Award Description
8149396	Mr Mohamed Altayeb Ibrahim	Member	2013 - Chapter Service Award
2019650	Mr Mohammed B Anbari, PE	Member	2015 - Chapter Service Award
2019650	Mr Mohammed B Anbari, PE	Member	2015 - Regional Award of Merit
2044222	Dr Peter R Armstrong, PE	Fellow Member	2015 - Fellow Award
8187603	Dr Michael Davis	Member	2011 - Crosby Field Award
8187603	Dr Michael Davis	Member	2011 - Technical Paper Award
8187603	Dr Michael Davis	Member	2012 - Crosby Field Award
8187603	Dr Michael Davis	Member	2012 - Technical Paper Award
8131343	Mr Jacob L Edmondson	Member	2011 - Crosby Field Award
8131343	Mr Jacob L Edmondson	Member	2011 - Technical Paper Award
8131343	Mr Jacob L Edmondson	Member	2011 - Willis H Carrier Award
8102756	Dr Ahmed Alaa Eldin Mohamed PhD	Member	2013 - Chapter Service Award
8102756	Dr Ahmed Alaa Eldin Mohamed PhD	Member	2015 - Regional Award of Merit

**ASHRAE MUMBAI**

Member ID	Name	Current Grade	Award Description
5085225	Mr Sudhir K Sinha, CEO	Member	2009 - Chapter Service Award
5102168	Mr Krishnan Viswanath	Member	2009 - Chapter Service Award

**ASHRAE NIGERIA**

Member ID	Name	Current Grade	Award Description
8156279	Mr Ezekiel A Bakare, Eng	Member	2014 - Lincoln Bouillon Award

**CAIRO**

Member ID	Name	Current Grade	Award Description
2024008	Mr Mamdouh Abd Elkader Mostafa	Life Member	2009 - Chapter Service Award
2007511	Prof Moustafa M Elsayed, PhD	Life Member	2005 - John F James International Award
5177410	Prof Mahmoud A Fouad, PhD	S-B-A Member	2009 - Chapter Service Award
5040439	Mr Fouad H Hamad	Member	2009 - Chapter Service Award
5197790	Mr Mohamed Mansour Ibrahim	Member	2009 - Chapter Service Award
5128202	Prof Essam Eldin Khalil, PhD	Fellow Member	2009 - Chapter Service Award
5128202	Prof Essam Eldin Khalil, PhD	Fellow Member	2009 - Fellow Award
5128202	Prof Essam Eldin Khalil, PhD	Fellow Member	2010 - Regional Award of Merit
5128202	Prof Essam Eldin Khalil, PhD	Fellow Member	2011 - Distinguished Service Award
5128202	Prof Essam Eldin Khalil, PhD	Fellow Member	2017 - Exceptional Service Award
5022588	Mr Emad El-Din Youssef Mokhtar, Sr	Associate	2009 - Chapter Service Award
549140	Dr Alaa E Olama, PhD	Life Member	2010 - Chapter Service Award

**CENTRAL PAKISTAN**

Member ID	Name	Current Grade	Award Description
672462	Mr Arshad S Sheikh, PE	Fellow Life Member	2011 - Fellow Award

**CHENNAI**

Member ID	Name	Current Grade	Award Description
5036113	Mr Srinivasan Sankaran	Fellow Member	2005 - Fellow Award
5096247	Mr N Vaidyanathan	Fellow Member	2009 - Chapter Service Award
5096247	Mr N Vaidyanathan	Fellow Member	2012 - Fellow Award
5124630	Mr S R Valluri	Member	2011 - Chapter Service Award

**INDIA**

Member ID	Name	Current Grade	Award Description
5058974	Mr Anoop Ballaney	Member	2011 - Chapter Service Award
5211959	Mr Sushil K Choudhury	Member	2010 - Chapter Service Award
5224602	Mr Sunil Gupta	Member	2010 - Chapter Service Award
357318	Dr Prem C Jain, PhD	Fellow Life Member	2005 - Louise & Bill Holladay Dist Fellow Award
357318	Dr Prem C Jain, PhD	Fellow Life Member	2009 - Distinguished 50-Year Member Award
357318	Dr Prem C Jain, PhD	Fellow Life Member	2009 - John F James International Award
357318	Dr Prem C Jain, PhD	Fellow Life Member	2013 - ASHRAE Technology Award
7987438	Mr Rajnish Joshi	Associate	2010 - Lincoln Bouillon Award
5017350	Dr Rajeshwar K Malhotra, PhD	Member	2010 - Chapter Service Award
5165802	Mr Kapil N Mehrotra	Member	2009 - Chapter Service Award
5131208	Mr Richie Mittal	Member	2009 - Chapter Service Award
5131208	Mr Richie Mittal	Member	2014 - Regional Award of Merit
2047069	Mr Deepak Pahwa	Fellow Life Member	2005 - Fellow Award
5176651	Mr Ashish Rakheja	Member	2009 - Chapter Service Award
5176651	Mr Ashish Rakheja	Member	2014 - Regional Award of Merit
5176651	Mr Ashish Rakheja	Member	2015 - Distinguished Service Award
5098940	Mr Uma Shanker	Member	2010 - Chapter Service Award
5052784	Dr Om Taneja, PhD	Fellow Member	2009 - Chapter Service Award
5052784	Dr Om Taneja, PhD	Fellow Member	2015 - Fellow Award
5036029	Mr Ashok K Virmani	Member	2003 - John F James International Award
5036029	Mr Ashok K Virmani	Member	2007 - Regional Award of Merit
5036029	Mr Ashok K Virmani	Member	2009 - Chapter Service Award
5036029	Mr Ashok K Virmani	Member	2014 - Distinguished Service Award

**KUWAIT**

Member ID	Name	Current Grade	Award Description
5161055	Dr Nawaf K Al-Mutawa	Associate	2006 - Regional Award of Merit
5161055	Dr Nawaf K Al-Mutawa	Associate	2007 - Chapter Service Award
5132895	Prof Walid Chakroun, PhD, PE	Fellow Member	2007 - Regional Award of Merit
5132895	Prof Walid Chakroun, PhD, PE	Fellow Member	2008 - John F James International Award
5132895	Prof Walid Chakroun, PhD, PE	Fellow Member	2010 - Fellow Award
5132895	Prof Walid Chakroun, PhD, PE	Fellow Member	2011 - Distinguished Service Award

**LEBANESE**

Member ID	Name	Current Grade	Award Description
5137423	Mr Nohad I Boudani	Member	2010 - Chapter Service Award
5137423	Mr Nohad I Boudani	Member	2010 - Regional Award of Merit
5119491	Prof Nesreen K Ghaddar, PhD	Member	2008 - Poster Presentation Award
5119491	Prof Nesreen K Ghaddar, PhD	Member	2016 - Science & Tech Built Environment Best Paper
5118666	Mrs Souha M Hakim	Member	2007 - Chapter Service Award
8039986	Prof Michel D Hayek	S-B-A Member	2015 - Chapter Service Award
5056023	Dr Samir R Traboulsi, PhD, PE	Fellow Life Member	2003 - John F James International Award
5056023	Dr Samir R Traboulsi, PhD, PE	Fellow Life Member	2005 - Student Activities Achievement Award
5056023	Dr Samir R Traboulsi, PhD, PE	Fellow Life Member	2007 - Chapter Service Award
5056023	Dr Samir R Traboulsi, PhD, PE	Fellow Life Member	2007 - Regional Award of Merit
5056023	Dr Samir R Traboulsi, PhD, PE	Fellow Life Member	2008 - Distinguished Service Award
5056023	Dr Samir R Traboulsi, PhD, PE	Fellow Life Member	2014 - Exceptional Service Award
5056023	Dr Samir R Traboulsi, PhD, PE	Fellow Life Member	2014 - Fellow Award

**NORTHERN PAKISTAN**

Member ID	Name	Current Grade	Award Description
5021285	Mr Naseer Ahmad	Member	2017 - Chapter Service Award
8013035	Mr Mubasher Ahmed	Member	2017 - Chapter Service Award
8066822	Mr Muhammad Arif Azhar, PE	Member	2017 - Chapter Service Award
5170802	Mr Mohammad Riaz Baig, Eng	Member	2016 - Chapter Service Award
8013037	Mr Ather N Siddiqui, I	Member	2013 - Student Activities Achievement Award
8013037	Mr Ather N Siddiqui, I	Member	2016 - Chapter Service Award
8013037	Mr Ather N Siddiqui, I	Member	2016 - Student Activities Achievement Award
8093909	Mr Muhammad Nadeem Zuberi, Eng	Member	2017 - Chapter Service Award

**PAKISTAN**

Member ID	Name	Current Grade	Award Description
1026	Mr Ainul Abedin, PE	Fellow Life Member	1997 - Fellow Award
1026	Mr Ainul Abedin, PE	Fellow Life Member	2012 - Distinguished Service Award
8131646	Mr Muhammad Ali	Member	2011 - Chapter Service Award
8013081	Mr Khawaja Khalid Iqbal	Member	2015 - Chapter Service Award
8012984	Mr Farhan Adil Mehboob	Member	2015 - Chapter Service Award
8012984	Mr Farhan Adil Mehboob	Member	2015 - Regional Award of Merit
491818	Mr Farooq Mehboob	Fellow Life Member	2010 - Fellow Award
491818	Mr Farooq Mehboob	Fellow Life Member	2014 - Regional Award of Merit
5116777	Mr Mohammad A Sajid, Eng	Member	2014 - Chapter Service Award
5116777	Mr Mohammad A Sajid, Eng	Member	2015 - Regional Award of Merit
8196475	Mr Akbar Zaheer	Member	2017 - Chapter Service Award

**PUNE**

Member ID	Name	Current Grade	Award Description
8147398	Mr Jayant Joshi	Member	2017 - Chapter Service Award
2005376	Mr Ravindra S Kulkarni	Fellow Life Member	2010 - Fellow Award
561087	Mr Ramesh P Paranjpey	Fellow Life Member	2004 - Fellow Award
8159661	Mr Rajan M Patne	Member	2017 - Chapter Service Award
8111744	Mr Shailesh G Phatak, PE	Member	2017 - Chapter Service Award
5044347	Mr Mukund Sudhakar Ranade	Fellow Member	2015 - Fellow Award
5099045	Mr Arvind G Surange, Eng	Fellow Member	2008 - Fellow Award

**QATAR ORYX**

Member ID	Name	Current Grade	Award Description
8123776	Mr Kinan Y Fahs, Sr	Associate	2014 - Chapter Service Award
5189742	Miss Denise Krikor Haladjian, Eng	Member	2011 - Chapter Service Award
8095344	Mr Hassan Ali Sultan	Member	2013 - Chapter Service Award
8095344	Mr Hassan Ali Sultan	Member	2014 - Regional Award of Merit

**SRI LANKAN**

Member ID	Name	Current Grade	Award Description
14067	Mr Pandukabhaya Amarasinghe	Member	2010 - Chapter Service Award
14067	Mr Pandukabhaya Amarasinghe	Member	2015 - Regional Award of Merit
2003838	Mr Chandana Nilhan Dalugoda	Member	2015 - Chapter Service Award
2003838	Mr Chandana Nilhan Dalugoda	Member	2015 - Regional Award of Merit
7965508	Mr Wimala Goonaratne	Member	2015 - Chapter Service Award
5074008	Mr Wimalachandra Jayakody, PE, CEO	Member	2015 - Regional Award of Merit
5209792	Mr Hiulet C Jayaweera	Member	2015 - Chapter Service Award
5216292	Mr Piyasiri Kalubowila	Member	2015 - Chapter Service Award
2005228	Mr M Nanayakkara	Member	2015 - Chapter Service Award
7981718	Mr Kapila P Rodrigo	Member	2015 - Chapter Service Award
5225720	Mr Clarence Dushantha Wijeyesekera	Member	2015 - Chapter Service Award

**SUB-REGION I**

Member ID	Name	Current Grade	Award Description
8041605	Mr Rami Y Alkhalil	Member	2011 - Chapter Service Award
2000552	Dr Gershon Grossman	Fellow Life Member	2010 - Fellow Award
675702	Prof Avraham Shitzer, I	Fellow Life Member	2005 - Fellow Award

**TURKISH**

Member ID	Name	Current Grade	Award Description
8110328	Dr Hamza Salih Erden	Associate	2015 - Willis H Carrier Award

**WESTERN INDIA**

Member ID	Name	Current Grade	Award Description
5170221	Mr Suhas Damodar Deshpande	Fellow Member	2015 - Fellow Award
5129185	Mr Pankaj R Dharkar	Fellow Member	2009 - Chapter Service Award
5129185	Mr Pankaj R Dharkar	Fellow Member	2012 - Regional Award of Merit
5129185	Mr Pankaj R Dharkar	Fellow Member	2014 - Fellow Award
5141037	Mr Kamalesh R Mehta	Member	2012 - Chapter Service Award
5102972	Mr Ashok P Patel	Member	2009 - Chapter Service Award
5181597	Mr Dilip R Sarda, PE	Fellow Member	2017 - Fellow Award
8107783	Mr Chetan R Shah, CEO	Member	2014 - Chapter Service Award
8107783	Mr Chetan R Shah, CEO	Member	2015 - Chapter Service Award
8008016	Mr Yogesh H Thakkar	Member	2014 - Chapter Service Award
8008016	Mr Yogesh H Thakkar	Member	2015 - Chapter Service Award



WORK SHEET FOR CHAPTER REGIONAL COMMITTEE EXECUTIVE SESSION –  
REGION-AT-LARGE Chapter Regional Conference (CRC)

Recommendations for Society Year 2018-2019

Instructions: The Regional Nominating Committee Member, as Chair of the CRC Executive Session, is responsible for submitting these **original pages** 1, 2, 3, 4, and 6, along with additional names for Treasurer, Vice President, and Director-at-Large as noted, to the Nominating Committee Secretary (NCS), ASHRAE, 1791 Tullie Circle, NE, Atlanta, GA 30329 within 30 days after the CRC.

The Nominating Committee Member shall send **copies** of **Parts 2, 3, 4, 5, and 6** to the Director and Regional Chair (DRC) – (**not page 1**). The DRC shall send the completed and signed DRC recommendations on page 5 to the NCS.

- Note:**
1. All candidates shall be listed in order of preference.
  2. **Nominating a name in any of the following positions indicates that the candidate has been contacted to confirm a willingness to serve.**
  3. Each candidate should ensure that their electronic biographical record located at [www.ashrae.org](http://www.ashrae.org) is current.

1. OFFICERS AND BOARD OF DIRECTORS

2017-2018 Officers: CRC Recommendations for SY 2018-2019:

President-Elect	Sheila J. Hayter	_____
Treasurer**	**Darryl K. Boyce	( ) _____
Vice President	*Julia A. Keen	( ) _____
Vice President	*Michael C.A. Schwedler	( ) _____
Vice President**	M. Ginger Scoggins	( ) _____
Vice President**	Edward K. C. Tsui	( ) _____

\* **Eligible for re-election to this position for one additional consecutive year**  
\*\* **Additional names may be submitted in priority order on separate page.**

Directors-at-Large whose terms expire in June 2018:

Director-at-Large**	Erich Binder	(1) _____
Director-at-Large**	Malcolm D. Knight	(2) _____
Director-at-Large**	William F. Mc Quade	(3) _____

\*\***Additional names may be submitted in priority order on a separate page.**

Director and Regional Chair whose term expires in June 2018:

Please prioritize.

Farooq Mehboob	(1) _____
	(2) _____
	(3) _____

Submitted by:

Bassel Anbari \_\_\_\_\_  
Region-at-Large Member, Nominating Committee Date

**(Note: DO NOT send this page to the DRC)**

2. SOCIETY COMMITTEES\* (Recommendations to Society President-Elect)

<u>Committee</u>	<u>Full Name</u>	<u>Member No. (required)</u>	<u>Comments/Qualifications</u>
Audit			
Building Energy Quotient			
Certification			
Conferences & Expositions			
Development			
Electronic Communications			
Environmental Health			
Finance			
Handbook**			
Historical			
Honors & Awards			
Planning			
Professional Development			
Publications			
Refrigeration			
Research Administration**			
Residential Buildings			
Society Rules			
Standards**			
Technical Activities**			

\* - The CRC should contact candidates to obtain their agreement to serve on committees before candidates' names are listed above.

\*\* - Members of these committees are elected by Board of Directors and results presented at the Winter Sunday Board Meeting.

**3. NOMINATING COMMITTEE**

Note: Nominating Committee Members, Alternates and Reserve Alternates must be **Members (Member grade or higher) of the Society for a minimum of five years** at the time of selection; must be selected at least one year in advance of taking office; and may serve no more than a total of six years on the Nominating Committee.

	2017-2018	2018-2019	2019-2020
Member	Bassel Anbari (#2019650) (chairs CRC executive session)	#	#
Alternate	V. Krishnan (#5102168)	#	#
Reserve Alternate	Nohad I. Boudani (#5137423)	#	#

Fill in names for all positions for all choices. For RVCs whose terms are not expiring, list them as the first choice unless they are unable to continue serving. Nominating member can complete the second and third choices from the previous CRC.

**4. REGIONAL VICE CHAIRS - Grass Roots Committees**

Select three choices in each category, if possible. Candidates for Regional Vice Chairs must be Members (Member grade or higher) of the Society in good standing for three years prior to the start of their terms. Please use full name (no nickname) and member number for each candidate recommended.

Committee	2017-2018	Term of service	2018-2019		
			1 <sup>st</sup> choice (name & member #)	2 <sup>nd</sup> choice (name & member #)	3 <sup>rd</sup> choice (name & member #)
Chapter Tech Transfer	Mohammad Al Tassi (#8011286)	16-19	#	#	#
Grassroots Govt Advocacy	Maged Fouad (#7982245)	16-19	#	#	#
Membership Promotion	Wimalachandra Jayakody (#5074008)	17-20	#	#	#
Research Promotion	Aakash Patel (#8176184)	17-20	#	#	#
Student Activities	Michel Hayek (#8039986)	16-19	#	#	#

**4a. ASSISTANT REGIONAL CHAIR**

Select three candidates in priority order. Candidates for Assistant Regional Chair must be a Member (Member grade or higher) of the Society in good standing for three years prior to the start of his/her term. List candidates below, using full name (no nickname) and member number for each candidate recommended.

2017-2018	Term	2018-2019		
		1 <sup>st</sup> choice (name & member #)	2 <sup>nd</sup> choice (name & member #)	3 <sup>rd</sup> choice (name & member #)
Ahmed Alaa Eldin (#8102756)	17-18	#	#	#

**4b. REGION MEMBERS COUNCIL REPRESENTATIVE**

Select three candidates in priority order. Candidates for Region Members Council Representative (RMCR) must hold Member grade or higher in the Society for three years prior to the start of terms. The RMCR may also be the ARC (See 4a). List candidates below, using full name (no nickname) and member number for each candidate recommended.

2017-18	Term	2018-2019		
		1 <sup>st</sup> choice (name & member #)	2 <sup>nd</sup> choice (name & member #)	3 <sup>rd</sup> choice (name & member #)
Richie Mittal (#5131208)	17-20	#	#	#

**4c. YEA REGIONAL COORDINATOR**

Select three candidates in priority order. Candidates for YEA Regional Coordinator must hold Associate grade or higher in the Society and be in good standing. List candidates below, using full name (no nickname) and member number for each candidate recommended.

2017-18	Term	2018-2019		
		1 <sup>st</sup> choice	2 <sup>nd</sup> choice	3 <sup>rd</sup> choice
		(name & member #)	(name & member #)	(name & member #)
Omer Khan (#8180718)	17-20	#	#	#

**4d. REGION-AT-LARGE SUB-REGION CHAIRS**

Select three candidates in priority order. Candidates for Sub-Regional Chair must hold Member grade or higher in the Society for three years prior to the start of terms. List candidates below, using full name (no nickname) and member number for each candidate recommended.

Committee	2017-2018	Term of service	2018-2019		
			1 <sup>st</sup> choice	2 <sup>nd</sup> choice	3 <sup>rd</sup> choice
			(name & member #)	(name & member #)	(name & member #)
Sub-Region I	Dr. Ebrahim Al Hajri #8032054	17-20	#	#	#
Sub-Region II	Nitin Naik #8100988	17-20	#	#	#

**4e. REGION-AT-LARGE ASSISTANT REGIONAL VICE CHAIRS**

RAL Sub-Region I	Nominations by DRC			
Membership	CTTC	Research	GGAC	Student Activities
Ather N. Siddiqui #8013037 Northern Pakistan	Ahmed Saleh Nour #5183438 Cairo	Liju Thomas Eapen #8190948 Falcon	Hassan F. Ali Younes #8119140 Falcon	Atilla Biyikoglu #8219785 Turkey
RAL Sub-Region II	Nominations by DRC			
Membership	CTTC	Research	GGAC	Student Activities
Yogesh H. Thakkar #8008016 Western India	Wimala Goonaratne #7965508 Sri Lanka	Ramesh G. Kumar #8102461 Bangalore	Glan Chand Modgil #5095736 India	Rajagopal Saravanan #8138512 India

**IMPORTANT:**

The CRC should complete the charts above and forward a copy of Parts 2, 3, 4, 5, and 6 to the Director and Regional Chair (DRC), who should complete the chart on page 5. **The DRC then sends their completed and signed recommendations on page 5 to the NCS. The NCS will forward them to the President-Elect, who will handle the final selection process.**



The DRC recommends that the President-Elect appoint the following for 2018-2019:

The DRC should list his/her recommendations below and send page 5 to the NCS. The NCS will forward them to the President-Elect, who will handle the final selection process.

Chapter Technology Transfer RVC	_____	Mohammad Al Tassi
Grassroots Government Advocacy RVC	_____	Maged Fouad
Membership Promotion RVC	_____	Wimalachandra Jayakody
Research Promotion RVC	_____	Aakash Patel
Student Activities RVC	_____	Michel Hayek
Assistant Regional Chair	_____	Ahmed Alaa Eldin
YEA Regional Coordinator	_____	Omer Khan

The DRC recommends to the President-Elect the following prioritized list of candidates for the Region Members Council Representative position:

Candidate #1	_____	Richie Mittal
Candidate #2	_____	
Candidate #3	_____	

Submitted by:



\_\_\_\_\_  
Farooq Mehboob Region-at-Large DRC (sign above)

May 17, 2017

\_\_\_\_\_  
Date

5. RECOMMENDATIONS FOR AWARDS

**NOTE:** Nominations for the John F. James International Award, Regional Award of Merit, and Chapter Service Award for general Society activities should be submitted in electronic format (adobe.pdf). The nominations should include a letter of recommendation from a sponsor (chapter, region, committee or ASHRAE member) that clearly addresses specific contributions and a current ASHRAE Biographical Record. For award criteria or point tally forms, please visit [www.ashrae.org/honors](http://www.ashrae.org/honors).

Award	Name (do not use nicknames)	Special Instructions
<b>John F. James International Award</b> (participation in international activities)		Must include letter(s) of recommendation and bio before submitting candidate's name
<b>Regional Award of Merit</b> (no limit on number of awards; attach list if needed)		Must include bio and point tally form before submitting candidate's name
<b>Chapter Service Award</b> (no limit on number of awards; attach list if needed)		Must include bio and point tally form before submitting candidate's name

6. CRC GENERAL CHAIR - Report names of the next 3 upcoming general chairs. (Note: This is NOT an Executive Session item. It is included on this sheet for convenience in reporting.)

<u>Name</u>	<u>Host Chapter</u>	<u>CRC Year</u>
1. _____	_____	_____
2. _____	_____	_____
3. _____	_____	_____

## 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.

**Electronic Communications Committee (ECC)** 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.

**Grassroots Government Advocacy Committee (GGAC)** 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.