



Region-at-Large

# HISTORY

OF ASHRAE REGION- AT-LARGE  
2001-2021



**“The past is where you learned the lesson. The future is where you apply the lesson, don’t give up in the middle.”**

**Unknown**

# PREFACE

ASHRAE Region-at-Large History Book was an initiative by Mr. Farooq Mehboob during his tenure as DRC in 2016, and has been implemented by the tremendous efforts of Adeeba Mehboob.

As part of our celebration of RAL's second decade, we have put together a new Ad-Hoc committee focused on the RAL History Book, specializing in formulating it in the best and most distinctive form. I would like to take this opportunity to thank the team and especially the chair of this Ad-Hoc committee, Nouhad Boudani, who managed in a short time to perfect the job and achieve the current special edition of RAL History Book.

Credit also goes to all Region-at-Large chapter leaders who cooperated and submitted the updated historical data about their individual chapters.

Special appreciation and thanks go to the Society President, Chuck Gulledge, presidential members and Society leaders who massively contributed to our very special book; and Finally yet importantly, many thanks to my colleagues: past DRC's of Region-at-Large whose contributions are also visible and effective until this day.

I sincerely hope that this book leaves a mark on everyone that comes across it or reads it, as much as it left a mark on us while creating it.

Director & Regional Chair  
DR. AHMED ALAA ELDIN MOHAMED



## History Book Committee Note

The History Book Committee was formed by our DRC Dr Ahmad Alaa on May 25, 2020 with the task to update the already existing History Book that was created to cover the timeline history of the Region-At-Large from its creation in 2001 till the year 2016.

The main objectives of the committee was, first, to update the book with new chapters created after 2016 and second to redesign the book with a new look for all the sections and also to make it more attractive and eye catching.

For this purpose, the committee has taken the initiative to contact all RAL Chapters and RAL friends (ASHRAE Current and Past Presidents, current & past DRCs and officers) which the Region is proud to have them as Stars of RAL. Without their support and encouragements the Region couldn't achieve the success which is exemplary for all other ASHRAE Regions.

The task wasn't as easy as it sounds to be, trying to contact 30 chapters along with so many friends and officers of RAL made the project harder especially with the pandemic of COVID19 which is invading the globe and has affected all our aspects of living. But, with the dedication and the extraordinary efforts of all the members of the committee, we were able to achieve the required work and we tried to do our utmost in order to be at the level of expectations and we tried to cope with the success of our Region At Large.

I deeply need to thank all the committee members for their efforts and dedications and without your participation, this work couldn't be achieved:

- Mr Atilla Biyikoglu
- Miss Lina Maged
- Mr Osama Khayata
- Mr Rajat Upadhyay
- Mr Money Khanna
- Mr Rishab Kasliwal
- Mr Kinan Fahs
- Mr Oman Khan
- Mr Declan van Greunen

And, the thanks is extended to our DRC Mr Ahmad Alaaeddine which without his guidance, vision and support, this work couldn't be achieved.

Thank you All and Best regards,

Nohad Boudani



History Book Committee Chair

# HISTORY BOOK COMMITTEE MEMBERS



Nohad Boudani: Chair



Atilla Biyikoglu  
(RALHistorian): Co-Chair



Rajat Upadhyay  
(Bangalore chapter)



Money Khanna  
(Chandigarh)



Rishabh Kasliwal (Rajasthan)



Lina Maged (Pyramids )



Kinan Fahs(Oryx Qatar)



Omer Khan  
(Pakistan)



Declan Van Greunen  
(South Africa)



Osama Khayata  
(Committee liaison and supporting affairs)

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# Historian's Note: Overview of RAL's Historical Development

The formation of Region-At-Large (RAL) started in 1990, the establishment of the Indian chapter, and developed with the Community's Internationalization Policy, which was taken by the Regions Council in the 1996 Winter Meeting, and matured in the period until 2001 when the RAL Planning Committee Meeting was held (Region XIII CRC meeting). It was completed with the election of the regional officers for the 2001-2002 Society period during this meeting.

RAL, which was originally formed by the gathering of India, Saudi Arabia, Cairo, Lebanon, Western India, Kuwait and Bangalore Chapters, held its first annual regional conference in London in September 2002.

A total of 18 CRCs have been organized in different cities since 2002. As of 2020, RAL, which has 30 chapters and approximately 4600 members in 57 different countries from Afghanistan to Zimbabwe, is distinguished from other regions due to its young and dynamic range of human resources. RAL, which included chapters from European countries in its early years, and the developing economic and regional balances caused a break like Brexit in 2017. As a result, Greece, Spain, Romania, Serbia, Portugal and Belgium, Netherlands and Luxembourg, which are called Benelux states, separated from RAL and came together under Region XIV. Within this evolving process, Turkey's preference for RAL has paved the way RAL to gain continuity in its ties with Europe by preserving its power.

Regional historians who contributed to the writing of the history of RAL and Chapters and the creation of timeline; Irene Reichert (2005-2009), Vvi Koutsogianni (2009-2012), Tim Dwyer(2012-2017) and Banş Özerdem (2017-2018) should not be forgotten. In addition, Adeeba Mehboob and Farooq Mehboob, who, although not historians, contributed to the creation of the first version of the RAL Historical Handbook, deserve praise.

As of 2018, when I took over the task, RAL, which rose to the 1st place in the Society in historical activities with the contributions of chapter historians, has managed to maintain its first place in the period between 2019-2020.


Playing an important role in the realization of the Society's internationalization policies, RAL is a candidate to be one of the indispensable actors by playing an active role in shaping the future of the community.



Best Regards,














*Atilla Bryikoğlu*  
Regional Historian  
ASHRAE Region-at-Large

































# Chapter Formation Timeline

## Chapter Formation Timeline till 2016

Chapter		Formation
	India	158 29, March '90
	Saudi Arabia	160 31, Jan '93
	Cairo	161 30, March '95
	Lebanese	162 1, Sept '95
	Western India	163 17, April '96
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	Pakistan	174 29, March '03
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	Danube	176 8, April '05
	Portugal	177 14, June '05

Chapter			Formation
	Northern Pakistan	179	29, June '05
	Bahrain	181	28, June '06
	Spain	182	25, June '07
	Qatar Oryx	184	21, Jan '08
	Chennai	185	22, June '09
	Pune	186	25, Oct '09
	ASHRAE Nigeria	187	25, Oct '09
	ASHRAE Mumbai	188	25, Jan '10
	Central Pakistan	189	28, June '10
	ASHRAE Deccan	191	31, Jan '11
	Turkish	193	21, Jan '14
	Bangladesh	197	30, June '15
	Sub Region A	Sub Region B	Sub Region C

## New RAL structure after 2016

	Chapter	#	Formation
	India	158	29, March '90
	Saudi Arabia	160	31, Jan '93
	Cairo	161	30, March '95
	Lebanese	162	1, Sept '95
	Western India	163	17, April '96
	Kuwait	164	13, April '96
	Bangalore	169	29, Nov '99
	Sri Lankan	171	5, Feb '02
	Pakistan	174	29, March '03
	Falcon	175	7, Dec '03
	Northern Pakistan	179	29, June '05
	Bahrain	181	28, June '06
	Qatar Oryx	184	21, Jan '08
	Chennai	185	22, June '09
	Pune	186	25, Oct '09
	Nigeria	187	25, Oct '09

	Chapter	#	Formation
	Mumbai	188	25, Jan '10
	Central Pakistan	189	28, June '10
	Deccan	191	31, Jan '11
	Turkish	193	21, Jan '14
	Bangladesh	197	30, June '15
	South Africa	207	1, Aug '17
	Faisalabad	210	26, June '18
	Pyramids	211	17, Dec '18
	Jordan	212	1, May '20
	East India	215	15, Jan '20
	Rajasthan	216	20, Jan '20
	Chandigarh	217	18, Jan '20
	Oman	218	4, Feb '20
	Libya	219	4, Feb '20
	Sudan	221	10, Nov '20
	Sub Region I		Sub Region II

The background features several overlapping geometric shapes in shades of teal and blue. A large, dark blue downward-pointing arrow shape is the central focus, with lighter teal shapes partially visible behind and around it.

# Historical List Of Regional Members

## Director and Regional Chair



*David Arnold*  
UK

2002-2005



*Dr. Samir Traboulsi*  
Lebanon

2005-2008



*Dr. Walid Chakroun*  
Kuwait

2008-2011



*Ashok Virmani*  
India

2011-2014



*Farooq Mehboob*  
Pakistan

2014-2018



*Dr. Ahmed Alaa Eldin*  
Falcon

2018-2021

## Assistant Regional Chair



*Dr. Samir Traboulsi*  
Lebanon

2002-2003  
2004-2005  
2008-2009



*Tim Dwyer*  
UK

2003-2004



*David Arnold*  
UK

2004-2005



*Dr. Walid Chakroun*  
Kuwait

2005-2006  
2011-2012



*Farooq Mehboob*  
Pakistan

2006-2007  
2009-2010  
2018-2019



*Dr. Mahmoud Fouad*  
Cairo  
2010-2011



*Nohad Boudani*  
Lebanon  
2013-2014



*Ashok Virmani*  
India  
2014-2015



*Pankaj Dharkar*  
India  
2015-2016



*Dr. Ahmed Alaa  
Eldin*  
Falcon  
2016-2018



*Wimala Goonartne*  
Sri Lanka  
2019-2020



*Dr. Yashkumar Shukla*  
India  
2020-2021

### Sub Regional Chair A



*Dr. Samir Traboulsi*  
Lebanon  
2002-2004



*Dr. Walid Chakroun*  
Kuwait  
2004-2007



*Dr. Mahmoud Fouad*  
Cairo  
2008-2011



*Essam Khalil*  
Cairo  
2011-2014



*Khalid Mulhim*  
Saudi Arabia  
2014-2017



### Sub Regional Chair B



*Costas Balaras*  
Hellenic  
2002-2006



*Panagiotis Megaritis*  
Hellenic  
2006-2007



*Marija Todorovic*  
Danube  
2007-2008



*Irene Reichert*  
Danube  
2009-2012



*Bassam Alassad*  
Greece  
2012-2015



*Ken Goodman*  
UK  
2015-2018

### Sub Regional Chair C



*Tim Dwyer*  
UK  
2002-2006



*Dennis Loveday*  
UK  
2005-2006



*Frank Mills*  
UK  
2008-2009



*Ewen Rose*  
UK  
2009-2011



*Farooq Mehboob*  
Pakistan  
2011-2014



*Abbas Sajid*  
Pakistan  
2014-2017

### Sub Regional Chair D



*Sudhir Sinha*  
Mumbai  
2008-2011



*Nohad Boudani*  
Lebanon  
2014-2017

### Members Council Representative

## Sub Region I



*Dr. Ebrahim Al Hajri  
Falcon*  
2017-2018



*Adeeba Mehboub*  
Pakistan  
2018-2020



*Richard Owen*  
South Africa  
2020-2021

## Sub Region II



*Nitin Naik*  
Mumbai  
2017-2020



*Aakash A Patel*  
Western India  
2020-2021

## Region Member Representative



*Richie Mittal*  
India  
2017-2021

## RVC Chapter Technology Transfer



*Dr. Samir Trabouls*  
Lebanon  
2002-2003



*Tim Dwyer*  
UK  
2004-2005



*Dennis Loveday*  
UK  
2005-2006



*Dr. Walid Chakroun*  
Kuwait  
2006-2007



*Farooq Mehboob*  
Pakistan  
2007-2011  
2013-2014



*Ashish Rakheja*  
India  
2011-2013



*Farhan Mehboob*  
Pakistan  
2014-2016



*Mohammad Tassi*  
Saudi Arabia  
2016-2019



*Ahmad Nour*  
Pyramids  
2019-2021

## RVC Membership Promotion



*Tim Dwyer*  
UK  
2003-2004



*Dr. Walid Chakroun*  
Kuwait  
2004-2006



*Panagiotis Megaritis*  
Hellenic  
2006-2007



*Dennis Loveday*  
UK  
2007-2008



*Richie Mittal*  
India  
2008-2011



*Dimitris Charalambopoulos*  
Hellenic  
2011-2014



*Naseer Ahmed*  
Pakistan  
2014-2017



*Wimalachandra Jayakody*  
Sri Lanka  
2017-2018



*Mohamed Altaieb*  
Falcon  
2018-2020



*Nitin Naik*  
Mumbai  
2020-2021

## RVC Research Promotion



*Bassam Alassad*  
Greece

2006-2007



*Yousef Alshaer*  
Falcon

2007-2008



*Florea Chiriac*  
Danube

2008-2009



*Bassel Anbari*  
Falcon

2009-2012



*Sudhir Sinha*  
Mumbai

2012-2014



*Dr. Mahmoud Fouad*  
Cairo

2014-2017



*Aakash A Patel*  
Western India

2017-2020



*Adeeba Mehboub*  
Pakistan

2020-2021

## RVC Student Activity



*Costas Balaras*  
Hellenic

2003-2006



*Dennis Loveday*  
UK

2006-2007



*Marija Todorovic*  
Danube

2007-2010



*Nohad Boudani*  
Lebanon

2010-2013



*Hasan Sultan*  
Qatar Oryx

2013-2016



*Michel Hayek*  
Lebanon

2016-2019



*Ade Awujoola*  
Nigeria

2019-2021

## RVC Government Affair



*Dr. Ahmed Eldin  
Falcon*

2013-2016



*Maged Fouad Hashem  
Pyramids*

2016-2019



*Gian Chand Modgil  
India*

2019-2021

## Treasurer



*Ismena Deacon  
UK*

2002-2005



*Antoine Dammous  
Falcon*

2007-2008



*Elias Iskander Chami*

2008-2009



*Ali Al Mutairi  
Kuwait*

2009-2012



*V. Krishnan  
Mumbai*

2012-2014



*Ashish Rakheja  
India*

2014-2015



*Maya Ayoub  
Lebanon*

2015-2016



*Nivedita Jadhav  
Mumbai*

2016-2018



*Sayani Sri Haribabu  
Chennai*

2018-2020



*Maged Hashem  
Pyramids*

2020-2021

## Nominating Committee Member



Ashok Virmani  
India

2002-2005



Mostafa El Sayed  
Cairo

2005-2007



Essam Khalil  
Cairo

2007-2010



Pankaj Dharkar  
India

2010-2013



Bassel Anbari  
Falcon

2013-2016



Irene Reichert  
Danube

2016-2017



V. Krishnan  
Mumbai

2020-2021

## Nominating Committee Alternate



Sidney Parsons  
UK

2002-2003



Pankaj Dharkar  
India

2003-2004  
2008-2010



Mostafa El Sayed  
Cairo

2004-2005



Ashok Virmani  
India

2005-2008



Essam Khalil  
Cairo

2010-2012



Bassel Anbari  
Falcon

2012-2013  
2016-2017



Irene Reichert  
Danube

2013-2016



V. Krishnan  
Mumbai

2017-2020



Muhammad Sajid  
Pakistan

2020-2021

## Historian



*Irene Reichert*  
Danube  
2005-2009



*Vivi Koutsogianni*  
Hellenic  
2009-2012



*Tim Dwyer*  
UK  
2012-2017



*Mehmet Baris*  
Turkish  
2017-2018



*Atilla Biyikoglu*  
Turkish  
2018-2021

## Refrigeration Chair



*Arvind Surange*  
Chennai  
2014-2015  
2018-2019



*Branislav Todorovic*  
Danube  
2015-2017



*Roddam Anish Simha*  
Bangalore  
2019-2020

## Webmaster and Electronic Communication Chair



*Tim Dwyer*  
UK  
2002-2005



*Simon Kontoyiannidis*  
Hellenic  
2005-2008



*Ali Al Mutairi*  
Kuwait  
2008-2009



*Ashish Rakheja*  
India  
2009-2011



*N. Sivasankaran*  
India  
2011-2014



*Richie Mittal*  
India  
2014-2015



*Kinan Fahs*  
Qatar  
2015-2016



*Adeeba Mehboob*  
Pakistan  
2016-2017



*Osama Khayata*  
Falcon  
2018-2021

## Regional YEA Chair



Muhammed O Khan  
Pakistan

2017-2020



Eman Abu Taleb  
Cairo

2020-2021



## ARVC Chapter Technology Transfer

**Azmi Aboul-Hoda**  
ARVC1 CTT (2018-2019)

**Yusuf Bhetasiwala**  
ARVC2 CTT (2018-2019)

**Akbar Zaheer**  
ARVC1 CTT (2019-2020)

**Yusuf Bhetasiwala**  
ARVC2 CTT (2019-2020)

**Marcus Osindero**  
ARVC1 CTT (2020-2021)

**Sandeep Galhotra**  
ARVC2 CTT (2020-2021)

## ARVC Membership Promotion

**Manoj Khati**  
ARVC1 MP (2018-2019)

**Tahir Raza**  
ARVC2 MP (2018-2019)

**Manoj Khati**  
ARVC1 MP (2019-2020)

**Tahir Raza**  
ARVC2 MP (2019-2020)

**Adil Inam**  
ARVC1 MP (2020-2021)

**Rajat Upadhyay**  
ARVC2 MP (2020-2021)

## ARVC Research Promotion

**Ahmad Saleh Nour**  
ARVC1 RP (2018-2019)

**Jenson Sebastian**  
ARVC2 RP (2018-2019)

**Richard Humphry**  
ARVC1 RP (2019-2020)

**Jenson Sebastian**  
ARVC2 RP (2019-2020)

**Moiz Ashraf**  
ARVC1 RP (2020-2021)

**Rajesh Jain**  
ARVC2 RP (2020-2021)

## ARVC Student Activity

**Ather Siddiqui**  
ARVC1 SA (2018-2019)

**Yashkumar Shukla**  
ARVC2 SA (2018-2019)

**Samir Sawaya**  
ARVC1 SA (2019-2020)

**Yashkumar Shukla**  
ARVC2 SA (2019-2020)

**Muhammad Omer Khan**  
ARVC1 SA (2020-2021)

**Dayani Gunawardhana**  
ARVC2 SA (2020-2021)

## ARVC Government Affair

**Kanagaraj Ganesan**  
ARVC1 GA (2018-2019)

**Soner Bicer**  
ARVC2 GA (2018-2019)

**Kanagaraj Ganesan**  
ARVC1 GA (2019-2020)

**Soner Bicer**  
ARVC2 GA (2019-2020)

**Samir Sawaya**  
ARVC1 GA (2020-2021)

**Mahesh Prabhu**  
ARVC2 GA

## ARVC YEA

**Nadia Elhetami**  
ARVC1 YEA (2018-2019)

**Ashu Gupta**  
ARVC2 YEA (2018-2019)

**Nadia Elhetami**  
ARVC1 YEA (2019-2020)

**Ashu Gupta**  
ARVC2 YEA (2019-2020)

**Lina Maged**  
ARVC1 YEA (2020-2021)

**Aditi Shah**  
ARVC2 YEA (2020-2021)

# List of RAL Awarded Members



## ASHRAE Honors and Awards

### BANGALORE

Member Id	Name	Current Grade	Award Description	Year Awarded
8100194	Mr Satish N Iyengar	Member	2016 - Chapter Service Award	
8167416	Dr N Kapilan	Associate	2020 - Student Activities Achievement	
8102461	Mr Ramesh G Kumar	Member	2011 - Lincoln Boulton Award	
5015172	Mr D Nirmal Ram	Fellow Member	2007 - Fellow Award	
5015172	Mr D Nirmal Ram	Fellow Member	2009 - 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	

### ASHRAE DECCAN

Member Id	Name	Current Grade	Award Description	Year Awarded
8278613	Mr Anuj Gupta	Associate	2019 - YEA Award of Individual Excellence	

### ASHRAE FALCON

Member Id	Name	Current Grade	Award Description	Year Awarded
8149396	Mr Mohamed Etaleb Ibrahim	Member	2013 - Chapter Service Award	
2019650	Mr Mohammed B Anbari, PE	Member	2015 - Chapter Service Award	2015
2019650	Mr Mohammed B Anbari, PE	Member	2015 - Regional Award of Merit	2015
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	2012
8187603	Dr Michael Davis	Member	2012 - Technical Paper Award	2012
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 Alsa Eldin	Member	2013 - Chapter Service Award	
8102756	Dr Ahmed Alsa Eldin	Member	2015 - Regional Award of Merit	2015
8102756	Dr Ahmed Alsa Eldin	Member	2020 - Distinguished Service Award	

### ASHRAE MUMBAI

Member Id	Name	Current Grade	Award Description	Year Awarded
5139553	Mr Ravi Anantharamiah	Member	2019 - Chapter Service Award	
5206287	Dr Roshini Rebecca Easow,	Member	2019 - Chapter Service Award	
526851	Mr Siddabathuni K Murthy, PE	Fellow Life Member	2019 - Fellow Award	
8098557	Mr Vikram Murthy	Member	2016 - Regional Award of Merit	
8100988	Mr Nitin Naik, Eng	Member	2017 - Chapter Service Award	
8100988	Mr Nitin Naik, Eng	Member	2020 - Regional Award of Merit	
5085225	Mr Sudhir K Sinha, CEO	Member	2009 - Chapter Service Award	
5085225	Mr Sudhir K Sinha, CEO	Member	2016 - Regional Award of Merit	
5102168	Mr Krishnan Viswanath	Member	2009 - Chapter Service Award	
5102168	Mr Krishnan Viswanath	Member	2016 - Regional Award of Merit	

### ASHRAE NIGERIA

Member Id	Name	Current Grade	Award Description	Year Awarded
8156279	Mr Ezekiel A Bakare, Eng	Member	2014 - Lincoln Boulton Award	2014

### CAIRO

## ASHRAE Honors and Awards

Member Id	Name	Current Grade	Award Description	Year Awarded
2024008	Mr Mamdouh Abd Elkader	Life Member	2009 - Chapter Service Award	
2007511	Prof Moustafa M Elsayed, PhD	Life Member	2005 - John F James International Award	2005
5177410	Prof Mahmoud A Fouad, PhD	S-B-A Member	2009 - Chapter Service Award	
5040439	Mr Fouad H Hamad	Member	2009 - Chapter Service Award	
5128202	Prof Essam Eldin Khalil, PhD	Fellow Member	2008 - 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	Life Member	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	Year Awarded
672462	Mr Arshad S Shekh, PE	Fellow Life Member	2011 - Fellow Award	

### CHENNAI

Member Id	Name	Current Grade	Award Description	Year Awarded
5038113	Mr Srinivasan Sankaran	Fellow Member	2005 - Fellow Award	2005
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	Year Awarded
5058974	Mr Anoop Ballaney	Member	2011 - Chapter Service Award	
5211959	Mr Sushil K Choudhury	Member	2010 - Chapter Service Award	
5224802	Mr Sunil Gupta	Member	2010 - Chapter Service 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	
5131208	Mr Richie Mittal	Member	2019 - Distinguished Service Award	
5095736	Mr Gian Chand Modgil	Fellow Member	2019 - Fellow Award	
2047069	Mr Deepak Pahwa	Fellow Life Member	2005 - Fellow Award	2005
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	Fellow Member	2010 - Chapter Service Award	
5098940	Mr Uma Shanker	Fellow Member	2019 - Fellow 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	2003
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	2014

### KUWAIT

Member Id	Name	Current Grade	Award Description	Year Awarded
5161055	Dr Nawaf K Al-Mutawa	Associate	2006 - Regional Award of Merit	2006
5161055	Dr Nawaf K Al-Mutawa	Associate	2007 - Chapter Service Award	

## ASHRAE Honors and Awards

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	
5132895	Prof Walid Chakroun, PhD, PE	Fellow Member	2019 - Exceptional Service Award	

### LEBANESE

Member Id	Name	Current Grade	Award Description	Year Awarded
5137423	Mr Nohad I Boudani	Member	2010 - Chapter Service Award	
5137423	Mr Nohad I Boudani	Member	2010 - Regional Award of Merit	
5137423	Mr Nohad I Boudani	Member	2019 - Distinguished Service Award	
5119491	Prof Nesreen K Ghaddar, PhD	Fellow S-B-A Member	2008 - Poster Presentation Award	
5119491	Prof Nesreen K Ghaddar, PhD	Fellow S-B-A Member	2016 - Science & Tech Built Envir Best Paper Award	
5119491	Prof Nesreen K Ghaddar, PhD	Fellow S-B-A Member	2019 - Fellow Award	
5118666	Mrs Souha M Hakim	Member	2007 - Chapter Service Award	
8039986	Prof Michel D Hayek	S-B-A Member	2015 - Chapter Service Award	2015
8039986	Prof Michel D Hayek	S-B-A Member	2019 - Student Activities Achievement	
5056023	Dr Samir R Traboulsi PhD., P. Eng. PE	Fellow Life Member	2003 - John F James International Award	2003
5056023	Dr Samir R Traboulsi PhD., P. Eng. PE	Fellow Life Member	2005 - Student Activities Achievement Award	2005
5056023	Dr Samir R Traboulsi PhD., P. Eng. PE	Fellow Life Member	2007 - Chapter Service Award	
5056023	Dr Samir R Traboulsi PhD., P. Eng. PE	Fellow Life Member	2007 - Regional Award of Merit	
5056023	Dr Samir R Traboulsi PhD., P. Eng. PE	Fellow Life Member	2008 - Distinguished Service Award	
5056023	Dr Samir R Traboulsi PhD., P. Eng. PE	Fellow Life Member	2014 - Exceptional Service Award	2014
5056023	Dr Samir R Traboulsi PhD., P. Eng. PE	Fellow Life Member	2014 - Fellow Award	

### NORTHERN PAKISTAN

Member Id	Name	Current Grade	Award Description	Year Awarded
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	
8013037	Mr Ather N Siddiqui, I	Member	2016 - Chapter Service Award	
8013037	Mr Ather N Siddiqui, I	Member	2016 - Student Activities Achievement	

### PAKISTAN

Member Id	Name	Current Grade	Award Description	Year Awarded
1026	Mr Ainul Abedin, PE	Fellow Life Member	1997 - Fellow Award	
1026	Mr Ainul Abedin, PE	Fellow Life Member	2012 - Distinguished Service Award	
1026	Mr Ainul Abedin, PE	Fellow Life Member	2019 - Distinguished 50-Year Member Award	
8013081	Mr Khawaja Khalid Iqbal	Member	2015 - Chapter Service Award	2015
8012984	Mr Farhan Adil Mehboob	Member	2015 - Chapter Service Award	2015
8012984	Mr Farhan Adil Mehboob	Member	2015 - Regional Award of Merit	2015
8012984	Mr Farhan Adil Mehboob	Member	2020 - Distinguished Service Award	
491818	Mr Farooq Mehboob	Fellow Life Member	2010 - Fellow Award	

## ASHRAE Honors and Awards

491818	Mr Farooq Mehboob	Fellow Life Member	2014 - Regional Award of Merit	
491818	Mr Farooq Mehboob	Fellow Life Member	2018 - Distinguished Service Award	
491818	Mr Farooq Mehboob	Fellow Life Member	2020 - John F James International Award	
5116777	Mr Mohammad A Sajid, Eng	Member	2014 - Chapter Service Award	
5116777	Mr Mohammad A Sajid, Eng	Member	2015 - Regional Award of Merit	2015
8196475	Mr Akbar Zaheer	Member	2017 - Chapter Service Award	

### PUNE

Member Id	Name	Current Grade	Award Description	Year Awarded
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	2004
561087	Mr Ramesh P Paranjpey	Fellow Life Member	2020 - Distinguished 50-Year Member Award	
8111744	Mr Shailesh G Phatak, PE	Fellow Member	2017 - Chapter Service Award	
8111744	Mr Shailesh G Phatak, PE	Fellow Member	2019 - Fellow Award	
5044347	Mr Mukund Sudhakar Ranade	Fellow Member	2015 - Fellow Award	
5099045	Mr Avind G Surange, Eng	Fellow Member	2008 - Fellow Award	

### PYRAMIDS

Member Id	Name	Current Grade	Award Description	Year Awarded
8079187	Omar A Abdelaziz PhD	Member	2016 - Distinguished Service Award	
8079187	Omar A Abdelaziz PhD	Member	2017 - Technical Paper Award	

### QATAR ORYX

Member Id	Name	Current Grade	Award Description	Year Awarded
8123776	Mr Kinan Y Fahs, Sr	Member	2014 - Chapter Service Award	
5189742	Miss Denise Krikor Haladjian,	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	Year Awarded
14067	Mr Pandukabhaya Amarasinghe	Life Member	2010 - Chapter Service Award	
14067	Mr Pandukabhaya Amarasinghe	Life Member	2015 - Regional Award of Merit	2015
2003838	Mr Chandana Nihan Dalugoda	Fellow Member	2015 - Chapter Service Award	2015
2003838	Mr Chandana Nihan Dalugoda	Fellow Member	2015 - Regional Award of Merit	2015
2003838	Mr Chandana Nihan Dalugoda	Fellow Member	2019 - Fellow Award	
2001951	Mr J A Hugh C De Saram	Fellow Life Member	2019 - Fellow Award	
7965508	Mr Wimala Goonaratne	Member	2015 - Chapter Service Award	2015
5074008	Mr Wimalachandra Jayakody,	Member	2015 - Regional Award of Merit	2015
5209792	Mr Hiulet C Jayaweera	Member	2015 - Chapter Service Award	2015
5216292	Mr Piyasiri Kalubowila	Member	2015 - Chapter Service Award	2015
2005228	Mr M Nanayakkara	Life Member	2015 - Chapter Service Award	2015
25162	Mr Wijtha K Perera	Fellow Member	2019 - Fellow Award	
7981718	Mr Kapila P Rodrigo	Member	2015 - Chapter Service Award	2015

### TURKISH

Member Id	Name	Current Grade	Award Description	Year Awarded
8110328	Dr Hamza Salih Erden	Member	2015 - Willis H Carrier Award	
5026550	Dr Birol I Kikis, TTMD	Fellow Member	2003 - Fellow Award	2003
5026550	Dr Birol I Kikis, TTMD	Fellow Member	2008 - Distinguished Service Award	
5026550	Dr Birol I Kikis, TTMD	Fellow Member	2008 - Exceptional Service Award	

**ASHRAE**  
**Honors and Awards**

**WESTERN INDIA**

Member Id	Name	Current Grade	Award Description	Year Awarded
5170221	Mr Suhas Damodar Deshpande	Fellow S-B-A 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	2015
8008016	Mr Yogesh H Thakkar	Member	2014 - Chapter Service Award	
8008016	Mr Yogesh H Thakkar	Member	2015 - Chapter Service Award	2015





# ASHRAE INDIA CHAPTER



Chapter Statistics - 158  
Formed: 29th March, 1990



# Chapter Presidents



2020 - 2021  
Mr. Dharmendra  
Rathore



2019 - 2020  
Dr. Varun Jain



2018 - 2019  
Mr. Indrajit  
Bhattacharya



2017 - 2018  
Mr. Priyank  
S. Garg



2016 - 2017  
Mr. Krishna K Mitra

## Key Milestones and Developments of India Chapter

- Best Student Chapter Awards Started - 2017-18  
- Three projects submitted by Student chapters selected for receiving funds under RAL Chapter Opportunity Fund - 2018-19

- Conference on 'Emerging Trends in Green & Efficient Rail Transit Systems' held in association with Delhi Metro Rail Corporation was attended by over 500 delegates - 2018-19

- The first edition of 'Ref Tec 2019' conference with theme 'Problems associated with Cold Storage Construction' and 'VRF vs CWS' was attended by over 130 participants - 2018-19

- The 6th Edition flagship Annual International Conference 'AIC TECH 2019' with theme 'Sustainability in Practice - Building Sustainable Hospitals' attended by over 200 delegates - 2018-19

- Selection interview of student for participation in 1st RAL CRC 2019 student competition was held on 29th July, 2019. Mr. Bhaskar Sharma from Poornima College of Engineering (PCE) has been selected - 2019-20.

- ASHRAE India Chapter Inter Student Branch Quiz Programme organized by ASHRAE India Chapter - 2019-20

- Mr. Ashish Rakheja has taken over as Director At Large - 2019-20

- Mr. K.K. Mitra has been selected as RAL Regional Lecturer - 2019-20

- ASHRAE India Chapter organised 7th Edition of its flagship Annual International Conference 'AIC TECH - 2019-20

- Ashrae India Chapter History organized the first Dr. Prem C. Jain Memorial Cricket Tournament by Student Chapter & YEA Members - 2019-20

- Ashrae India Chapter History organized the first Dr. Prem C. Jain Memorial Cricket Tournament by Student Chapter & YEA Members - 2019-20

- Ashrae India Chapter has created history in January 2020 when three new chapters were installed at East India, Chandigarh & Rajasthan Chapter by Dr. Ahmed Alaa - DRC & Mr. Osama Kayata. First time in Ashrae history 3 new chapters were installed in one month - 2019-20

- ASHRAE INDIA CHAPTER Organized 'ASHRAE NIGHT' Awards for felicitate senior members and Research Promotion received by the Chapter and members were distributed during the function - 2019-20

- ASHRAE India student with the best thesis Award for Lt. Dr. Prem Jain Gold Medal - 2019-20

- This year Maharaja Agrasen Institute of Technology has won three scholarship - 2019-20

### AIC Sustainability Activity



The Chapter Under its Sustainability activity 70 solar lantern were Village Baghor Tijara, Alwar, under Chapter Sustainability activity on 28th Feb., 2019



## Fellow ASHRAE Award

Three Fellows from India were selected:

Mr. G.C. Modgil, Mr. Uma Shankar Garg receiving Fellow ASHRAE Award from President Darryl K Boyce & very proud that out of the three selected fellows two are from ASHRAE India Chapter.

## AIC Tech 2019 International Conference



### AIC Tech 2019 International Conference:

The Conference theme was titled "Sustainability in Practice – Building Sustainable Hotels" The conference was a great success with participation from over 200 delegates.

ASHRAE India Chapter Organized by First Lt. Dr Prem Jain Memorial Cricket Tournament supported by Daikin Airconditioning India Pvt. Ltd. Participation from 8 Student Chapter & YEA Members across NCR. The opening shot for Cricket match by Mr K. Jawa, MD, Daikin Airconditioning India Pvt. Ltd.



## Chapter Installation Ceremony



First time in ASHRAE history Three new chapters were installed in one month by Dr Ahmed Alaa & Mr Osama Kayata (RCC & Webmaster) (East India, Chandigarh & Rajasthan Chapter)



# ASHRAE SAUDI ARABIA CHAPTER



Chapter Statistics - 160

Formed: 31st January, 1993

Current membership : 221

- 216 Members
- 5 Students
- No Student Branches



Khalid Muhim (L) and President Tom Watson, third from left, in Riyadh, at an Industry meeting in 2012

## Chapter Presidents

- Hussein H.M. Afifi, 1993-1995
- Khalid AAI Mulhim, 1996-1997
- Khalid AAI Mulhim, 2005-2007
- Samir AAI-Umair, 2007-2016
- Ahmad AAI-Mulla, 2016-2017
- Khalid AAI Mulhim 2017-2018
- Khalid AAI Mulhim 2018-2019
- Maher Mosa 2019-2020
- Maher Mosa 2020-2021

The Saudi Chapter is one of the earliest Chapters of ASHRAE, formed in 1993.

The chapter was supported by Saudi Aramco Management led by the Chief Engineer in Engineering Services.

The Saudi Arabia ASHRAE Chapter is supported by Consulting Services Department in Saudi Aramco.

Mr. Khalid Al Mulhim, Mr. Samir A. Al Umair and Hussain M. Afifi have been key leaders of the Chapter for a long period of time. The leadership of the Chapter has been active in Region at Large and has held several noteworthy International Conferences.

The membership committee, with support of the Society Officers, worked hard to increase chapter members by contacting local societies, organizations, and companies to encourage their members and staff to join the local Chapter and attend the monthly dinner meetings.

The Saudi chapter is unique, as it has a non-homogeneous membership comprising different nationalities. Saudi Expats who are members are responsible for the turnover of membership.

The local chapter operation and activities are supported by local companies, consulting offices and contractors via sponsoring technical dinner meetings. The effort had been extended to bring the monthly technical dinner meetings to the membership throughout the Kingdom, principally to the main cities of Dhahran/Dammam in the Eastern Province, Riyadh in the Central Province and Jeddah in the Western Province.

## ASHRAE Saudi Arabia Chapter seminars and workshops history

August 29th, 2012 - InterContinental – Riyadh  
Broadening ASHRAE's Horizons by ASHRAE President Thomas Watson

April 24th, 2017 - Kempinski Al Othman Hotel, Al Khobar  
Next Generation Refrigerants for Energy Efficient Air-Conditioning & Refrigeration Systems

April 26th, 2017 - Crowne Plaza, Jeddah  
Next Generation Refrigerants for Energy Efficient Air-Conditioning & Refrigeration Systems

September 21st, 2017 - Hyatt Regency Olaya Hotel, Riyadh  
Next Generation Refrigerants for Energy Efficient Air-Conditioning & Refrigeration Systems

November 21st, 2017 - Kempinski Al Othman Hotel, Al Khobar  
Winning Chiller Technologies Emerging Refrigerant Scenario Chiller Plant Optimization

April 3th, 2019 - Le Méridien Jeddah  
Flow Control Regulation of HVAC Systems, Mechanical PICV.



# ASHRAE CAIRO CHAPTER



Chapter Statistics – 161

Formed: 30th March, 1995

Current membership : 158  
• 123 Members



## Chapter Presidents

- Mohamed A. Salem, 1995-1996
- Ahmed Abdelghany, 1996-1997
- Dr Hani Olama, 1997-1998
- Magd E. Manzalawi, 1998-2000
- Dr Mahmoud A Fouad, 2000-2001
- Fouad H Hamad, 2001-2002
- Dr Alaa Olama, 2002-2003
- Hesham Marzouq, 2003-2004
- Dr Essam Eldin Khalil, 2004-2005
- Dr Mahmoud A Fouad, 2005-2006
- Mohamed Mansour, 2006-2007
- Alaa Kamal, 2007-2008
- Dr Essam Eldin Khalil, 2008-2009
- Alaa Kamal, 2009-2010
- Dr Mahmoud A Fouad, 2010-2011
- Fouad H Hamad, 2011-2012
- Dr Essam Eldin Khalil, 2012-2013
- Dr Ahmed Medhat, 2013-2014
- Maged Fouad, 2014-2015
- Dr Mahmoud A Fouad, 2015-2016
- Prof Essam Eldin Khalil, 2016-2017
- Mamdouh A Kader, 2017-2018
- Dr Hesham Safwat, 2018-2019
- Prof. Dr. Mahmoud Fouad, 2019-2020
- Mohamed Heider, 2020-2021



We had an exclusive interview with Prof. Dr. Farouk Elbaz – Boston university about sustainability and green energy.

The Chapter has very strong links with Governmental organizations and other institutions active in the HVAC, such as the Syndicate of Engineers and the Society of Engineers, On the International levels they collaborate with UNIDO and UNEP.

**T**he Cairo chapter was established in 1995 with the collective efforts of elite group of HVAC consultants, contractors and suppliers. The first inauguration was held at Dar ElHandasa office in Mohandseen, Cairo.

The First Chapter president was Engineer Mohamed Salem. Following him were elite eminent HVAC pioneers such as Prof. Dr Hany Olama, Prof. Dr. Mahmoud Fouad, Dr. Alaa Olama, Eng. Fouad Hamad, Eng. Alaa Kamal, Eng. Mamdouh A Kader and many others. The chapter continues to expand including membership from industry and academia.

The Cairo Chapter proudly organized the 2003 CRC, chaired by Dr Alaa Olama and the 2010 CRC, chaired by Prof. Dr. Mahmoud Fouad and finally 2017 CRC chaired by Maged Fouad They are keen to host another one soon.

The 2010 & 2017 CRCs were a joint meeting between ASHRAE and UNEP with extensive technical meetings and the attendance of 25 Chapters.

Cairo Chapter Also arranged it's 25th anniversary which was an international event, attendees exceeded 400, varying from all scopes of HVAC&R industry, architects pioneers & from all engineering industries, attended by Mr. Darryl Boyce – ASHRAE President year 2019-2020 – and all Region-at-Large officers.

Members from the Chapter are very active in Regional and Society level committees and posts. They have few students' chapters in Cairo, Assuit, BUE, Tanta and the most recent Ain shams student branch.

The Chapter Historian has successfully interviewed pioneers of the HVAC industry, all past presidents for the chapter, and Academia.

## STARS OF REGION-AT-LARGE

### David Arnold RAL Director and Regional Chair 2002-2005



David was born and brought up in Chelsea, London. After attending a local junior school he went to St Ignatius College in North London. He was placed in the technical stream and his engineering teacher was a member of the Institution of Mechanical Engineers. Technical subjects interested him and although he left college early, he found a job in an engineering factory. There his bosses encouraged him to re-take up studying and hence he registered for part time education at a technical college.

The father of a family friend was a technical draughtsman and seemed to be doing very well so he applied for a job in a drawing office.

The firm he joined were consulting engineers specialising in building services. By chance he was put under the wing of a mechanical engineer and started calculating heat losses and laying out heating systems under his supervision. He gained a Higher National Certificate in Mechanical Engineering and then registered at the National College for HVACR and Fan Engineering, studying three evenings per week. His intention was to become a Chartered Engineer and for it he had to qualify as a Mechanical Engineer, as building services did not qualify as a chartered institute at the time.

After gaining Chartered Engineer status, he managed to join a MSc course in Architecture at Bristol University where he managed to get on the course even without a first degree. Although the degree was in Architecture, it focussed on the physics of buildings as opposed to aesthetics and space. His final year project was writing a thermal simulation model. David joined ASHRAE in 1975 and used the project as the basis of a paper which he submitted to an ASHRAE meeting in Albuquerque held in 1978.

His involvement with ASHRAE when he joined was limited, as there were no chapters or regions covering the UK.

His first active involvement was attending and presenting a Transactions paper at the Annual Meeting held in Albuquerque in June 1978. He subsequently got more involved actively on both CIBSE-ASHRAE matters and was appointed DAL in 1996.

Following this he was appointed as a Consultant to the International Committee in 1999 and as chair in 2000. The International Committee at that time was not functioning as well as it might in servicing International Members.

He worked on a Presidential Ad Hoc that eventually produced the proposal to have a Region at Large and served as Acting DRC during its first year. David was 58 year's old when he became the first DRC for RAL. The major issue facing the newly formed RAL was to get it to work and for international members to work together. However, the growth of the RAL has exceeded his wildest expectations.

**David says, "The best thing about ASHRAE is "Being one of a great bond of technical and social people with like minds."**





# ASHRAE LEBANESE CHAPTER



Chapter Statistics - 162  
Formed: 1st September, 1995

Starting Membership: 52  
• 1 Student Branch

Current membership: 201  
• 107 Members  
• 94 Students  
• 8 Student Branches



Maya Nassra Eddine, BOG; Sukhdev Matlhaudhu DRC Region X; Wajin Nejim, President elect; Samir Traboulsi President; ASHRAE President Richard Hayter; Souha Hakim, Secretary; Antoine Dammous, BOG; Rafic Naji, Treasurer

## Chapter Presidents

- Samir R. Traboulsi, 1995-1997
- Wajih A Nejm, 1997-1999
- Rafic M Naji, 1999-2001
- Souha M Hakim, 2001-2003
- Antoine P Dammous, 2003-2005
- Elie Pascal Ibrahim, 2005-2006
- Nohad I Boudani, 2006-2007
- Elie Pascal Ibrahim, 2006-2007
- Nohad I Boudani, 2007-2009
- Naji K Tannous, 2009-2010
- Mohammad HAL Tassi, 2010-2012
- Prof Michel D Hayek, 2012-2014
- Saleh M El-Zein, 2014-2016
- Dr Riad G Assaf, 2016-2018
- Ahmad Mustapha El Bitar, 2018-2020
- Wasim Abdallah, 2020-2021



Dr. Samir Traboulsi, Delegate & Mrs. Soha Hakim, Alternate of the Lebanese Chapter at the International Committee members

The Official Chartering ceremony of the Lebanese ASHRAE Chapter was held in Cairo, Egypt, on October 9, 1995, going down in ASHRAE's history as the first Chapter after the Centennial of ASHRAE.

The Ceremony was held in Cairo due to the unsafe travelling conditions in Lebanon. ASHRAE Society President Richard B. Hayter, Mr. Sukhdev Mathaudhu, Region X director and regional chairman, and a delegation of 33 members, including Chapter Officers, Board of Governor members, Committee Chairs and Student Branch Officers and Advisors, attended the event held at the Intercontinental Hotel, on the banks of the River Nile.

ASHRAE President Richard Hayter gave the Keynote Address which emphasized "seize the initiative and embrace the vision".

Hayter also presented the charters to the Lebanon Chapter and Student Branches.

The speakers also included Samir Traboulsi, the first president and founder of the Lebanese Chapter. He expressed the importance of ASHRAE after a 20-year period of war in the country. He elaborated on the Chapters goals and objectives, which included the recognition of members, inducting new membership, training, excellence in HVACR Design and Maintenance, timely transfer of technology and information.



ASHRAE President Richard Hayter (L), DRC Region X, Sukhdev Mathaudhu (R) handing Dr. Samir Traboulsi the Gavel



ASHRAE Society President Richard Hayter handing Dr. Samir Traboulsi the chartering document.

# Key Milestones and Developments of the Lebanese Chapter

- During the past 25 years, the Lebanese Chapter has grown from a small membership of 52 members and 1 Student Branch to a Chapter having more than 201 members and unbeatable 8 Student Branches.

- The Lebanese Chapter has been visited by most of the Society Presidents: Richard Hayter, Richard Charles, William Harrison, Richard Rooley, Bill Coad, Ron Vallort, Ronald Jamagin and current President Tim Wertz. Also, over the years many DLs have visited the Chapter.

- The Lebanese Chapter has strong relations with the "Order of Engineers and Architects" in Beirut, Lebanon, and an MOU has been signed between the two parties to ensure a continuous and a sustainable cooperation.

- The Lebanese Chapter is proud of its 11 ASHRAE Life Member: Elie M Baradhy, Aladin Fansa, Antoine H Khater, Mourtada Kawakibi, Kustandi Sefri, Mohamad Mehio, Abdo Zarife, Muhib Itani, Kamil Mogab, Roupén Mangessarian, Nassib Hassouna and its Fellow Life Member Dr. Samir Traboulsi, and Fellow Member Dr. Nesreen Ghaddar

- The Lebanese Chapter has many members who served the HVAC industry and the ASHRAE membership at the Region and the Society Levels, which is not limited to the following names:

- Dr. Samir Traboulsi, Region At Large DRC, DAL, and member of several Committees, Councils and Adhoc groups and Distinguished Lecturer, SA

- Dr. Samir Traboulsi, Region At Large DRC, DAL, and member of several Committees, Councils and Adhoc groups and Distinguished Lecturer

- Mr. Nohad Boudani, RMCR, ARC, RVC-SA and member of several Committees and Adhoc Groups.

- Mrs. Soha Hakim as member of International Committee.

- Mr. Antoine Dammous.

- Mr. Mohammad Tassi, Distinguish Lecturer.

- Dr. Michel Hayek, Scholarship Trustee, RVC-SA.

- Maya Ayoub, RAL Treasurer

- Samir Sawaya, ARVC - SA

- The Lebanese Chapter has many members who received several awards and recognition at Regional and Society level:

- Fellow Award: Dr. Samir Traboulsi and Dr. Nesreen Ghaddar

- Exceptional Service Award: Dr. Samir Traboulsi

- Distinguished Service Award: Dr. Samir Traboulsi, Mr. Nohad Boudani

- John F. James International Award: Dr. Samir Traboulsi

- Student Activities Achievement Awards: Dr. Samir Traboulsi, Dr. Michel Hayek

- The Lebanese Chapter has participated in organizing The International Conference on Efficient Building Design in collaboration with ASHRAE and the American University of Beirut in 2014, 2016 and 2018.

- The Lebanese Chapter organized the RAL Sub-Region 1 meeting in Beirut in 2019.



President Elect Tim Wertz presenting certificate to Lebanese Chapter President Saleh EL Zein



Samir Traboulsi receiving Fellowship Award from President, Tom Phoenix



RAL DRC, Farooq Mehboub speaking at a visit to the Lebanese Chapter



(L-R) ASHRAE President Bill Harrison, Dr. Samir Traboulsi RAL DRC, Nohad Boudani, Chapter President & Sandy Maalouf, Chapter Secretary



# ASHRAE WESTERN INDIA CHAPTER



Chapter Statistics - 163

Formed: 17th April, 1996

Starting Membership: 51 Current  
Membership : 207

- 97 Members
- 110 Students
- 6 Student Branches



L-R Top row:  
Mr K.Ramachandran,  
Mr KV Jog, Mr Mukesh  
Shah, Mr Mukund  
Ranade,  
Mr SR Srinivasan, Mr SK  
Moori, Mr K Ramu

L-R Front row:  
Mr Pankaj Dharkar,  
Mr Sukhdev Mathaudhu,  
Mr Chaitanya Bhatt  
(Chapter president),  
Mr Richard Hayter,  
Mr Arvind Surange,  
Mr KL Maheshwari.

## Chapter Presidents

- Chaitanya Bhatt, 1996-1998
- Arvind G Surange, 1998-1999
- Rajendrakumar C Patel, 1999-2001
- Ramesh P Paranjpey, 2001-2002
- Sudhir K Sinha, 2003-2004
- Mukund Sudhakar Ranade, 2004-2005
- Ashok P Patel, 2005-2006
- Krishnan Viswanath, 2006-2007
- Kamalesh R Mehta, 2008-2009
- Manoj K Khatri, 2009-2010
- Suhas Damodar Deshpande, 2010-2011
- Yogesh H Thakkar, 2011-2012
- Chetan R Shah, 2012-2013
- Ashish D Shah, 2013-2014
- Ashok P Patel, 2014-2015
- Kamalesh R Mehta, 2015-2016
- Dharendra N Shukla, 2016-2017
- Aakash Patel 2017-2018
- Rajen Vyas 2018-2019
- Vijay Panchal, 2019-2020
- Nishant Gupta 2020-2021



Dr. P. C. Jain with ASHRAE President Richard Hayter, during Chapter Charter



Mr. Pankaj Dharkar receiving the RED RIBBON Award

The Installation of the ASHRAE Western India Chapter was done by Mr Richard Hayter, ASHRAE President, on the 17th April, 1996. In 2009-2010, the Western India Chapter of 240 members trifurcated into the Mumbai Chapter with 73 Members and the Pune Chapter with 116 Members, leaving the Western India Chapter to cover the State of Gujarat & Madhya Pradesh with 51 members.

## Key Milestones and Developments of Western India Chapter

- Student Chapter Installation by ASHRAE President, Harley W. Goodman at Nirma Institute of Technology on 23rd November, 1999.
- Pankaj Dharkar received the RED RIBBON Award for Membership Promotion for ASHRAE WI. Chapter, 2003-2004, presented by ASHRAE WI Chapter President, S. K. Sinha.
- Live Demo. of Passive Cooling at Ahmedabad, March 2009.
- MEGA Event "Synergy with Energy" at Ahmedabad, June 2009.
- Organized ACREX 2010, along with ISHRAE Mumbai Chapter & newly carved ASHRAE Mumbai Chapter. ACREX 2010 was endorsed for the first time outside North America by ASHRAE!
- Mr. Yogesh Thakkar, MP Chair, received Blue Ribbon Award for Highest Membership Growth in RAL for 2012-2013.
- Aakash Patel is selected as Leadership U participant for ASHRAE Winter Meeting in Dallas 2013.
- Pankaj Dharkar is awarded with Fellow Member Grade in 2014.
- CRC at Spain History AWARD 2014-2015. The Chapter Historian was Vijay Panchal.
- Technical Seminar as part of "India Fire & Security Yatra" in Sep 2015.
- MEGA Event "Synergy with Energy" at Ahmedabad, June 2016.
- CRC at Turkey Chapter Historical Display AWARD 2015-2016.
- Seminar on "Jal Vayu Agni" at Daman in 2016.
- Started New Annual flagship event "QUIZO" 2017 for Students.
- Mr. Dilip Sharda has become "ASHRAE Fellow member"
- Mr. Vijay Panchal was attended ASHRAE Leadership Academy in April 2017.
- Ms. Dhwani Mehta has attend YLI 2016 in Greece.
- CEPT University has been awarded with two prestigious Grants in 2016-17.
- Biggest Confluence Event Hosted in Sep 2017.
- YEA Lead Weekend by YEA in Oct 2017.
- Ms. Aditi Shah Lead DRS candidate from RAL shadowing DRC Mr. Farook Mehboob in Winter meeting, Jan 2018.
- Dr. Yash Shukla was invited By UK Midlans Chapter for Technical Talk, March 2018.
- Ms. Dhwani Mehta, Mr. Rajen Vyas & Dr. Yash Shukla attended Leadership program at ASHRAE Hq.
- Membership Chair Mr. Manan Vora received Blue Ribbon Award CRC Turkey, Oct 2018.
- Technical Presentation By ASHRAE President Ms. Sheilya Hayter, CEPT University, Feb 2019.
- Prestigious Award of "Student Branch Advisor of Year" Prof. Balkrushna Shah (SBA of Nirma University Student Branch) winter conference, Atlanta, Jan 2019
- Hosted RAL Sub Regional Meeting, Ahmedabad, 20th July 2019.
- MOU with ASSOCHAM GEM Gujarat Chapter, Ahmedabad, Aug 2019.
- Presidential Award of Excellence at CRC, Jordan, Sep 2019.
- Ms. Kritika won 1st Prize in RAL competition, CRC Jordan 2019.
- Mr. Gaurang Patel was attended Leadership Training Academy at ASHRAE Headquarter, 2020



CRC AWARDS at CRC Colombo



Student Branch Advisor of Year" Prof.Balkrushna Shah, Atlanta,2019



Technical Presentation ByASHRAE President Ms.Sheilya Hayter, 2019.



Ms.Aditi Shah LeaDRS candidate from RAL shadowing DRC Mr.Farook Mehboob



Presidential Award of Excellence for SY 2018-19



Yogesh Thakkar (MP Chair) received the Blue Ribbon Award for Highest Membership Growth in RAL, 2012-2013



# ASHRAE KUWAIT CHAPTER

Chapter Statistics - 164

Formed: 13th April, 1996 Starting Membership:  
Current membership : 112

- 53 Members
- 59 Students
- 1 Student Branch



CRC - JORDAN



ASHRAE KUWAIT TRAINING SESSION



ICERD & DL



ASHRAE ICERD EVENT



STUDENTS WORKSHOP-DL



ASHRAE B.O.G's, Life members with DL and presidential member during the conference



## Chapter Presidents

- Prof Moustafa M Elsayed, 1995-1997
- Prof Wálid Chakroun, 2001-2003
- Dr Nawaf K Al-Mutawa, 2003-2005
- Dr Asad Al-Ebrahim, 2005-2007
- Dr Sorour A Alotaibi, 2007-2009
- Dr Nawaf F Aljuwayhel, 2011-2013
- Dr Nawaf K Al-Mutawa, 2013-2014
- Dr Asad Al-Ebrahim, 2014-2015
- Dr Sorour A Alotaibi, 2015-2017
- Dr Sorour A Alotaibi, 2017-2018
- Faisal Al-Salem, 2018-2019
- Faisal Al-Salem, 2019-2020
- Dr Ammar Bahman, 2020-2021

The Kuwait Chapter was one of the earlier Chapters to be established within the Region, on the 13th April 1996. The people who were instrumental in the formation of this Chapter were Prof. Wálid Chakroun, Prof Moustafa Elsayed, Dr Nawaf Al Mutawa, Dr Asad Al Ebrahim and Dr Sorour Alotaibi.

The members of the Kuwait Chapter have been very active in ASHRAE, some for over 30 years. The most prominent member has been Prof. Wálid Chakroun. He has held several regional and society positions including RVC, SRC, DRC RAL, ASHRAE DAL and is currently Vice-President of ASHRAE. He is recipient of the John F. James Award and Distinguished Service Award. Prof. Chakroun is an ASHRAE Fellow and has served on the Publication and Education council, CEC, and Planning committees. Ali AlMutairi from Kuwait Chapter served as the treasurer of the region from 2008-2011. He worked on setting the first financial policy for the region.

The chapter has most recently worked with the Kuwait Government and adapted ASHRAE Standard 90.2 to develop the ASHRAE Standard for Energy efficiency for Residential Buildings for Kuwait. Kuwait Chapter also successfully hosted the 2009 RAL CRC.

The chapter annually hosts the International Conference on Energy Research & Development for the last six years and organized a forum on district cooling with the Kuwait Foundation for the Advancement of Sciences in March 2016. They are also active in arranging technical seminars, conferences and training courses on a regular basis.





## STARS OF REGION AT-LARGE

### Charles E. Gulledge

*ASHRAE Society President 2020-2021*



As the 2020-2021 ASHRAE Society Year unfolds, I must note that the Global impact of the Covid-19 Pandemic has touched all aspects of personal and business life for ASHRAE members. Yet, I can say that I have e-visited ALL chapters within RAL by early September. I am not aware of any ASHRAE President before me even having the opportunity or logistical capacity to connect with every chapter that resides in RAL. We accomplished such in a mere 2.5 months. I am truly blessed!

I reveal this simple story not as a boost of my tenure. Rather, I am proud to be part of something very special. RAL has not let distance and travel policy barriers preclude member engagement, participation, and outreach. I have been overwhelmed with the enthusiasm and can-do capacity of every chapter in this Region to digitally evolve. RAL is a family, pure and simple. I am proud to be considered part of this family. You are the Lighthouse that shines to guide us; as we navigate a new digital frontier!

Charles E. Gulledge III, PE, FASHRAE, HBDP, LEED AP | Senior Mechanical Engineer  
2020-2021 ASHRAE Society President

Environmental Air Systems, LLC

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email [ogulledge@easinc.net](mailto:ogulledge@easinc.net)  
website [www.easinc.net](http://www.easinc.net)  
ASHRAE email [GulledgeChuck@gmail.com](mailto:GulledgeChuck@gmail.com)



# ASHRAE BANGALORE CHAPTER



Chapter Statistics - 169

- Formed: 29th November, 1999
- Starting Membership: 53
- Current membership : 196
  - 94 Members
  - 96 Students
  - 7 Student Branches



BOG Team – 2019-2020

The ASHRAE Bangalore Chapter (ABC), which started off as ASHRAE South India Chapter (ASIC) currently has a membership strength of 103 and is one of the most vibrant chapters in RAL.

ASHRAE South India Chapter was chartered in the year 1999 with membership strength of 53. The Founder President is Mr. Roddam V Simha, who is currently a Fellow and Life member of ASHRAE.

Ashrae Bangalore Chapter has the distinction of having two Fellow members and three Life members to its credit.

ABC has two ASHRAE Fellows and carries out a lot of Technical Programs and has a very strong tie with the local ISHRAE Chapter. They strongly support ISHRAE in successfully carrying out one of the best expositions ACREX in India.

ABC also supports the local ISHRAE Chapter in their Certification Programs in the areas of Design, Service and Cleanrooms. These Certification Programs are targeted towards improving the quality of manpower and skill and raise the standards of the HVAC Industry.

# Chapter Presidents



A. Pandi Murali  
ASHRAE Bangalore  
Chapter President  
S.Y.2016-17



S. N. Raju  
ASHRAE Bangalore  
Chapter President  
S.Y.2017-18



Adhyam Madhukar  
ASHRAE Bangalore  
Chapter President  
S.Y.2018-19



S. Elangovan  
ASHRAE Bangalore  
Chapter President S.Y.  
2019-20

1. Roddam V Simha, 1999-2000
2. N Vaidyanathan, 2000-2001
3. Srinivasan Sankaran, 2001-2002
4. D Nirmal Ram, 2003-2003
5. Pankaj J Shah, 2003-2004
6. R. Durgiah, 2004-2005
7. Haridas Uppath, 2005-2006
8. N. Sriram, 2006-2007
9. Vijayakumar Achar Udyavar, 2007-2008
10. Deepa Vaidyanathan, 2008-2009
11. S Prasanna Kumar, 2009-2010
12. Tarikere N Gurusurthy, 2010-2011
13. Bhagavan Srinivasan, 2011-2012
14. Satish N Iyengar, Sr, 2012-2013
15. Seval Venkatachalam, 2013-2014
16. Tanjore Hari Rao, 2014-2015
17. C Subramaniam, 2015-2016
18. A Pandimurali, 2016-2017
19. S.N Raju, 2017-2018
20. Adhyam Madhukar, 2018-2019
21. S. Elangovan, 2019-2020
22. Anish Simha, 2020-2021

## Key Milestones and Developments of Bangalore Chapter

- World first Girls only Student Chapter branch Installation by ASHRAE President, Dr. William P Bahnfleth at Mount Carmel college, Bangalore during 2012-13
- Golden Ribbon award received for History Award during 2014-15
- Mr. S. Elangovan received Red Ribbon Award for Membership Promotion during 2014-15
- Special Citation for Honor Roll award received during 2014-15 & 2017-18
- Dr Kapilan of ASHRAE Bangalore chapter received Student Activity award for year 2020
- Mr Rajat Upadhyay is being appointed as ARVC2 for Membership Promotion



Dr. William P Bahnfleth at Mount Carmel college during student branch installation, Bangalore during 2012-13



Red Ribbon Award for Membership Promotion during 2014-15

Special Citation for Honor Roll award received during 2014-15 & 2017-2018



# ASHRAE SRI LANKAN CHAPTER

Chapter Statistics - 171  
Formed: 5th Feb, 2002  
Starting Membership: 50

Current membership: 124  
• 105 Members  
• 19 Students  
• 2 Student Branches



In the known history, there have been ASHRAE members from Sri Lanka, since the late 1960's. A first attempt made to form an ASHRAE Sri Lanka Chapter in 1990 by these few members had not been successful.

However, with the communication initiated by Pandukabhaya Amarasinghe in April 2001, with Sameer Traboulsi, the Chairman Sub Region A of RAL, the proposal to establish a Chapter was successful. As a result, three ASHRAE members from Sri Lanka, consisting of Pandukabhaya Amarasinghe, Wasantha Kumara and JDK Jayatilleke, were invited to participate in the Taiwan CRC, as observers, in September 2001. Thereafter, with the efforts of Pandu Amarasinghe and Chandana Dalugoda, more than 50 active members were gathered, and when Sameer Traboulsi-

made his visit on the 18th October 2001, the chapter was unofficially formed.

Late Mr Yaseen Marikkar, one of the senior members, was elected as the President. Subsequently, the Official Chartering ceremony was held on the 5th February 2002 with the Society President William J. Coad officiating the chartering process, while Sameer Traboulsi was the guest of honour who was instrumental in forming the chapter.

## Chapter Presidents

- Yaseen Marikkar, 2002-2003
- M.N.Nanayakkara, 2003-2004
- Chandana Nilhan Dalugoda, 2004-2005
- Pandukabhaya Amarasinghe, 2005-2006
- Kumara Wasantha G Hewage, 2006-2007
- Wimalachandra Jayakody, 2007-2008
- Piyasiri Kalubowila, 2008-2009
- JA Hugh C De Saram, 2009-2010
- M.N.Nanayakkara, 2010-2011
- Chandana Nilhan Dalugoda, 2011-2012
- Wimalachandra Jayakody, 2012-2013
- Pandukabhaya Amarasinghe, 2013-2014
- Wimala Goonaratne, 2014-2015
- Kapila Rodrigo, 2015-2016
- Piyasiri Kalubowila, 2016-2017
- M. Senavirathne, 2017-2018
- W.Perera, 2018-2019
- P.Hewapathirana, 2019-2020

## Key Milestones and Developments of Sri Lanka Chapter

- Richard Rooley (UK) Award for best participation for CRC, 2005 (Dubai), 2007 (Goa, India), 2008 (Portugal) and 2009 (Kuwait).
- Formation of Student chapters at University of Moratuwa, Sri Lanka in the year 2010 and at the Institute of Higher National Diploma in Engineering at Mattakkuliya, Sri Lanka in the year 2010
- Holding of CRC in Colombo, Sri Lanka in the year 2012 for the first time.
- Visit from the first lady President, Lynn Bellenger, of ASHRAE in the year 2011
- Sri Lankan member Chandana Nilhan Dalugoda was selected as a Distinguished Lecturer for the period from 1st July 2011 and he is still serving as a Distinguished Lecturer. He was the first Sri Lankan member to achieve this feat.
- Won the GOLD RIBBON award 2014-2015 and Presidential Award of Excellence 2014-2015
- Won the Gold Ribbon award for Historian and Community Sustainability Project award 2016-2017
- ☑ Won the Gold Ribbon Award for Historian in 2018-2019

- Won the RP Goal award 2015-2016
- Won the RP Goal award/Full circle award 2018-2019
- MP Chair - Danesh Subasinghe Selected to leadership academy Program in 2019
- CTTC Chair - Randika Amarasuriya Attended to Leadership U as a shadow president in 2019
- Sri Lankan member Prof. Leelananda Rajapakse was selected as a RAL Regional Lecturer (RRL) in 2019
- Sri Lankan member Mr Wimala Goonaratne was selected as an Assistant Regional Chair in 2019
- Chapter Service awards received by Mr Pandu Amarasinghe, Mr Wimal Jayakody, Mr Hiulet Jayaweera, Mr Kapila Rodrigo, Mr Chandana Dalugoda, Mr Nihal Nanayakkara, Mr Wimala Goonaratne and Mr Dushantha Wijesekara
- Regional Service Awards received by Mr Chandana Dalugoda, Mr Wimal Jayakody and Mr Pandu Amarasinghe
- Mr Wijitha Perera, Mr Hugh De Seram and Mr Chandana Dalugoda became Ashrae fellow members in 2019



At the Chartering Ceremony of the Sri Lanka



15th Anniversary celebration in 2017



# ASHRAE PAKISTAN CHAPTER



Chapter Statistics - 174  
Formed: 29th March, 2003  
Starting Membership: 50

Current membership: 177  
• 89 Members  
• 81 Students  
• 7 Student Branches



(L to R): Farooq Mehboob, Samir Traboulsi, Richard Rooley, Ruth Rooley, Mrs Abedin, Mr. Ainul Abedin

# Chapter Presidents



Khawaja Khalid Iqbal  
2014-2015



Noor Afzal  
2015-2016



Fahad Hasan  
2016-2017



Akbar Zaheer,  
2017-2018 &  
2018-2019



Mahmoud U Haq  
2019-2020



Adeeba  
Mehboob,  
2020-2021

- AinulAbedin, 2003-2004
- Farooq Mehboob, 2004-2005
- Fahim I Siddiqui, 2005-2006
- Mohammad A Sajid, 2006-2007
- Anwar Saadat, 2007-2008
- Farhan Adil Mehboob, 2008-2009
- Yousuf Hasan, 2009-2010
- Tajammul Husayn, 2010-2012
- Syed Nusrat Jawaid, 2012-2013
- Khalid Gulzar, 2013-2014
- Khawaja Khalid Iqbal, 2014-2015
- Noor Afzal, 2015-2016
- Fahad Hasan, 2016-2017
- Akbar Zaheer, 2017-2018 & 2018-2019
- Mahmood U Haq, 2019-2020
- Adeeba Mehboob 2020-2021

ASHRAE Pakistan Chapter was petitioned at the 1st RALCRC in Reading UK. Mr Farooq Mehboob travelled to the UK and handed the petition to President Don Colliver.

The Chartering Ceremony was held at the Avari Towers, Karachi, in September, 2003. Members of the Pakistan HVACR Society alongwith leading personalities from the HVACR Industry were present.

Mr Ainul Abedin was inducted as the founder President of the ASHRAE Pakistan Chapter. The other members of the Board were: Mr Farooq Mehboob, Mr Fahim Siddiqui, Mr Muhammad Abbas Sajid, Mr Lawrence Harrison, Mr Fahim Khan and Mr Farhan Mehboob.

A media campaign on Print and Electronic Media was launched to promote ASHRAE and the Pakistan Chapter in Pakistan. Mr Richard Rooley, the then President of ASHRAE, and his wife Ruth, had come to Karachi for the Chartering of the Pakistan Chapter of ASHRAE. Such was the celebrity status of the Rooleys that the Chapter accepted substantial contribution from people who wanted to have their pictures taken with them. Mr Sameer Traboulsi the then DRC of RAL had also accompanied the ASHRAE President to this ceremony. After the formal Chartering and Oath Taking of the ASHRAE Pakistan Chapter a grand dinner was hosted followed by a Variety program featuring some leading artists of Pakistan showing off the rich culture of the land.

The Pakistan Chapter members have served ASHRAE in many positions including RVC, SRC, ARC, DRC etc. The Chapter collaborates with the Pakistan HVACR Society for holding conferences alongside the Annual Expo of the PHVACR Society.



L-R: Noor Afzal, Sajid Abbas, Richard Rooley, Farooq Mehboob



L-R: Samir Traboulsi, Richard Rooley and Ainul Abedin



Ruth Rooley with Mrs. Abedin



L-R: Farhat Mehboob, Mrs. Mehboob, Farooq Mehboob, Samir Traboulsi, Richard Rooley during Oath Taking



Variety Show



L-R: Mr and Mrs. Fahim Siddiqui, Mrs and Mr. Sajid Abbas, Mr and Mrs. Lawrence Harrison during Oath Taking



Jane Underwood(R), Mrs. Baris & Adeeba Mehboob(L) with guests, at a dinner hosted at Farooq and Farhan Mehboob's Residence, March 2016



Dr. Baris and VP Jim Vallort on a Karachi Bus Tour, March 2016



President Underwood's visit to Karachi, March 2016



Jane Underwood in Karachi, March 2016



## STARS OF REGION-AT-LARGE

### Samir Traboulsi

RAL Director and Regional Chair 2005 - 2008



Though joining ASHRAE Membership in 1977, I did not have the opportunity to participate in its activities and serve the Society till 1995, when I petitioned to form the ASHRAE Lebanese chapter.

It took several months to charter the Lebanese ASHRAE Chapter, LAC at Chicago meeting during the Centennial festivities of the Society, and to celebrate the launch of LAC when hosted by Cairo Chapter.

The International committee formed then, of Cairo, Kuwait, Saudi, India and the Lebanese chapter with few other Far East chapters & Pacific Rim members, continued its affiliation with Region X, until the formation Region XIII, in 1996 – 1997, when the Region At Large, RAL was structurally formed. The mushrooming of RAL chapters also continued until and beyond the formation of Region XIV leaving the RAL, not only to stand on its feet, but also to become the ASHRAE region with the largest number of chapters and members.

Thanks to the leadership of the RAL, the available resources made available by the Society and of course ASHRAE RAL membership. Successes of the Chapters Regional Conferences are well highlighted.

Leadership positions were initiated with sub-regional chairs of the International Committee, then followed by the Director Regional chairs (David, Samir, Walid, Ashok, Farooq and current DRC Ahmad).

Society resources were and continuously made available, upon offering the special RAL monetary funding, the e-membership fees classification, the creation of Regional offices in membership council and the assistant RVCs, and the split of Region XIV.

The number of chapters grew from 6 chapters to 30 chapters plus. New members are joining their chapters and relevant subregion drifting the society to become a global one.

The story of the success of RAL will prevail as long as, the above three components continue to offer their pledge and passion to ASHRAE.



# ASHRAE FALCON CHAPTER

Chapter Statistics - 175

Formed: 7th December, 2003

Starting Membership: 56

Current membership: 477

- 429 Members

- 48 Students

- 7 Student Branches



Group Photograph at the 15th anniversary of the Chapter

## Chapter Presidents

- Bassam R. Ellassaad, 2003-2005
- Bassel Anbary, 2005-2007
- Girish Hiranandani, 2007-2008
- Yousef Al Shaer, 2008-2010
- Prashanth Bindiganavile, 2010-2011
- Ahmed Alaa Eldin, 2011-2013
- Ram Alkhalil, 2013-2014
- Ibrahim Sidawi, 2014-2015
- Ebrahim Alhajri, 2015-2017
- Liju Thomas Eapen, 2017-2019
- Hassan Younes, 2019-2021



District Cooling Seminar 2005

In the known history of this region, we have had Professional Engineers who joined ASHRAE membership since 1975. However, this region did not have any formal chapter in those days as the region was not developed and much of it remained as empty sand dunes. Later in the years when Oil started bringing money to the region, the construction industry started to pick up. This movement generated the requirement of professionals in the field of HVAC as Cooling is an inevitable part of any building design in the region. In the year 2003, some of the engineering professionals who were members of ASHRAE decided to take the lead and establish a local chapter to provide support to HVAC engineers in the region.

As the region was still in the early developing stage, this chapter was formed to provide technical and professional support to Mechanical Engineers in UAE, Qatar, Bahrain and Oman.

The Founding members of the chapter are Mr. Basam Al Ellassad, Mr. Vijay Kumar, Mr. Bassel Anbari, Mr. Girish Hira and Mr. Mohsen Abu Naga. The chapter was inaugurated on December 7th, 2003 by Mr. Samir Traboulsi, the then RAL DRC who supported the whole idea. The chapter was named "Emirates Falcon Chapter".

We are all familiar with the rest of the history; the gulf regions drew unprecedented growth in wealth and construction activity and eventually Qatar and Bahrain developed

their own local Chapters and Emirates Falcon Chapter became ASHRAE Falcon Chapter to serve engineering professionals in UAE. Falcon Chapter still supports engineering professionals in Oman as Oman does not have a local chapter yet. Falcon Chapter became a very important player in the field of HVAC, Environmental Protection and Energy Efficiency. ASHRAE Falcon Chapter is currently involved with various Ministries, ESMA, MOEW, UNEP, UNIDO and other International Bodies. ASHRAE Falcon Chapter plays an integral part in assisting these bodies in organizing International Conferences in UAE.

## Key Milestones and Developments of Falcon Chapter

- The Chapter hosted a Seminar on Indoor Building Quality and attracted a record of 240 ASHRAE members and friends.
- Falcon Chapter held its first RAL CRC in Dubai in the year 2006 from November 1-3.
- Formed Student Chapter in BITS Pilani, Dubai in 2009.
- Formed Student Chapter in Manipal University in 2010.
- The Chapter held the RAL CRC in Abu Dhabi on 21st and 22nd September, 2011.
- Formed Student Chapter in Sultan Qaboos University in 2013.
- Regional Symposium on Alternative Refrigerants for High-Ambient Countries was held in Dubai on 28th and 29th October 2014 in co-ordination with United Nations Environment Program (UNEP).
- In reference to the above Symposium a MOU was signed between FALCON Chapter and Emirates Authority for Standardization & Metrology (ESMA) on 29th October 2014.



ASHRAE Falcon Chapter



(L-R): DRC Farooq Mehboob, Dr. Al-Hajri, President Elect, Tim Wentz and Dr. Alaa, in Dubai, March 2016



AMCA Workshop



HVAC R Expo, Dubai (2019)



Intelligent Building Tech. Seminar

- Successfully conducted HVAC Design Courses in 2014 & 2015. This course usually attracts candidates from all the Middle East and even as far as Australia.
- The Chapter received Golden Ribbon for History Award during 2015 CRC held in Istanbul.
- The Chapter hosted BACnet Global Roadshow in Abu Dhabi on 2nd June, 2015.
- The Chapter held Energy Modelling Best Practices Course on 5th May, 2015 in Dubai.
- Former Society president William Bahnfleth presented a Lecture on Chilled Water Systems to University Students in April, 2015.
- Formed Student Chapter in Rochester Institute of Technology in 2015, A MOU was signed between RIT and ASHRAE Falcon Chapter to provide special fees for ASHRAE members.
- Regional Technical Seminar on Codes and Standards in relation to Montreal Protocol was held on 27th and 28th October 2015 in Dubai in co-ordination with UNEP.
- Technical Forum on Research Projects for Alternative Refrigerants in High Ambient Countries was held on 31st October 2015 in Dubai in co-ordination with UNEP.
- The Chapter actively assisted UNEP on the Twenty Seventh Meeting of the Parties to the Montreal Protocol on Substances that Deplete the Ozone Layer which was held from 1-5th November 2015.

- Initiated a Student Chapter in MASDAR in 2015.
- Initiated a Student Chapter in RIT, Dubai in 2016.
- Workshop of Integrating IAQ & Energy efficacy in buildings (AMCA) was held on 04 April 2017.
- Falcon held optimizing pumping efficiency in HVAC application seminar on 23 Sep 2017, Arjaan Rotana Hotel in Dubai.
- Control Fundamental on District Cooling plant seminar was held on 07 Nov 2017, Manipal University in Dubai By falcon Chapter.
- The Chapter supported the 2nd Annual GCC HVAC Summit, from 14-15 November 2017, in Dubai.
- The Chapter was held the Clean Air Forum - Future Air Quality Technologies on 10th Sep 2017 in St. Regis Saadiyat Island, Abu Dhabi.
- Seminar on The world of building automation was held in Arjaan Rotana Hotel on 20th Dec 2017.
- Intelligent building technology seminar was held by Falcon Chapter for ASHRAE student section in AMITY University Dubai on 27 March 2018.
- The Chapter held Building Automation and Maintenance Summit on 14 Nov 2018 in Dubai.
- Energy-Efficient Designs of Low Carbon Buildings in Urban Development seminar held by ASHRAE Student Branch of BITS Pilani Dubai Campus on 28th Nov 2017.
- Falcon participated in the exhibition HVAC R Expo, 25-28 November 2019 Dubai, UAE.



Designs of Low Carbon Buildings



Flow Control Regulation of HVAC



Intelligence to become a better person



# ASHRAE NORTHERN PAKISTAN CHAPTER



Chapter Statistics - 179  
Formed: 15th March, 2005  
Starting Membership: 52

Current membership :78  
• 55 Members  
• 23 Students  
• 18 Student Branches



(L-R): Richard Rooley, Aslam Azad, Sayeed Khan, Mubeshar Ahmed, Arshad Sheikh & Lawrence Harrison with members of the BOG

## Chapter Presidents

- Arshad S. Sheikh, 2005-2006
- Mubeshar Ahmad, 2006-2007
- Lawrence Harrison, 2007-2008
- Engr. Fahim A. Khan, 2008-2009
- Saeed A. Khan, 2009-2010
- Ather N. Siddiqui, 2010-2011
- Pervez Iqbal, 2011-2012
- Sarfraz Ahmad, 2012-2013
- Naseer Ahmad, 2013-2014
- Mohammad Arif Azhar, 2014-2015
- Mohammad Nadeem Zuberi, 2015-2016
- Mohammad Riaz Baig, 2016-2017
- Engr. Taj Rizvi, 2017-2018
- Ahmed Nawaz, 2018-2019
- Chaudhry Nadeem A Rauf, 2019-2020
- Khuram Raja, 2020-2021

Mr. Mubeshar Ahmad, currently President of the Pakistan HVACR Society was the driving force behind the creation of the ASHRAE Northern Chapter in Pakistan.

In early 2005, he approached Mr. Farooq Mehboob to commence activities leading to the creation of the Northern Pakistan Chapter. Mr. Farooq Mehboob set up a Steering Committee comprising of Engr. Fahim A. Khan, Chairman, Mr. Lawrence Harrison, Vice Chairman, Mr. Azim Ashraf, Secretary, Mr. Arshad S. Sheikh, Treasurer, Mr. M. Ashraf, Member and Mr. Mubeshar Ahmad, Member. On June 14, 2005, Mubeshar Ahmed handed over to Farooq Mehboob a petition signed by 52 members for forwarding to Society.

The ASHRAE Board of Directors approved the Charter in the Annual Summer Meeting in June 2005. ASHRAE President, Mr. Richard Rooley, chartered the Chapter on March 15, 2006 with a grand event held at the Serena Hotel Islamabad.

On July 18, 2005 the first meeting of the Steering Committee was held at Islamabad, where a Nominating Committee was formed. The Committee also reviewed and adopted the Chapter bylaws as per ASHRAE Pakistan Chapter. The 1st Chapter meeting was held on 1st September 2005, at the Islamabad Hotel, chaired by Mr. Arshad S. Sheikh and 24 members participated. The 1st Officers installation ceremony was held at the Serena Hotel, Islamabad on December 16th, 2006 where Mr. Mubeshar Ahmad was elected Chapter President for 2006-2007.

The Chapter has a long record hosting hugely successful family get togethers and training programs. The ASHRAE Northern Pakistan Chapter collaborate with the Pakistan HVACR Society for holding an Annual Conference alongside the Annual expo of the Society.



(L-R): Abbas Sajid, Ather Siddiqui, Mubeshar Ahmed & Riaz Baig

## Key Milestones and Developments of Northern Pakistan Chapter

- Richard Rooley Award for best participation in a CRC, 2004 (Delhi), 2014 (Madrid) and 2015 (Istanbul).
- Formation of Sixteen Student chapters to date, the largest number of Student branches in RAL.
- Arshad Sheikh achieves ASHRAE Fellowship Award.
- Ather Naseem Siddiqui receives the Student Activities Achievement Award, which recognizes a chapter Student Activities Committee chair for service related to the goals and growth of student activities. He wins this awards twice, in 2013 and 2016.
- Naseer Ahmed elected as RVC MP from 2014-2017.
- Presidential Visits included Richard Rooley, thrice; Ron Jamagin, twice; Ron Vallort, twice; and David Underwood



SRC Abbas Sajid installing the 12th BOG of the Chapter



Chartering Ceremony



# ASHRAE BAHRAIN CHAPTER



Chapter Statistics - 181

Formed: 28th June 2006

Starting Membership: 13

Current membership: 53

- 49 Members

- 4 Students

- No Student Branches



Group Photo at the Charter of the Bahrain Chapter

## Chapter Presidents

- Tariq Malik, 2006-2009
- Bader Y Salmeen, 2009-2010
- Ayman Eltalouny, 2010- 2011
- Shawqi A.Rasool Ebrahim, 2011-2012
- Tariq Malik, 2012-2017
- Adil Inam, 2017-2018
- Adil Inam, 2018-2019
- Dessy Thomas Philip, 2019-2020
- Pankajbhai Amin, 2020-2021



Presentation by President Terry Townsend at the Installation Ceremony of the Bahrain Chapter

Before the formation of ASHRAE Bahrain Chapter, the ASHRAE members in Bahrain were facilitated by the Falcon Chapter, Dubai. Their emails related to seminars and other activities were a constant source of inspiration to establish a Chapter in Bahrain.

For this purpose, in March 2006, Mr. Tariq Malik travelled to Dubai to attend a seminar and to discuss with Mr. Bassel Anbari, then Falcon Chapter President, the possibility of forming an ASHRAE Chapter in Bahrain.

Mr. Bassel Anbari was pleased and encouraged the idea. He arranged a meeting with Mr. Ayman Altonany, Program Officer UNEP Bahrain, where initiating members met and formed a steering committee. The members of the steering committee were Mr. Tariq Malik, Mr. Ayman Altonany, Mr. Bader Salmeen, Mr. Alan Millin and Mr. Gareth Brown.

The steering worked hard under the guidance of Samir Traboulsi – then Director and Regional Chair, Region-at-Large; Dr. Walid Chakroun - then Sub-Region-A Chair; Bassel Anbari - then President ASHRAE Falcon Chapter; Jeanie Kirksey - Regional Activities Coordinator at ASHRAE headquarters and the support of fellow engineers in Bahrain to make this dream come true.

Due to post economic slowdown and local political situation, the chapter operation was slow down from 2009 till 2015.

ASHRAE Sub Region given full support in the revival of Bahrain chapter after pausing for almost 5 years. Chapter was reactivated with a mix of new and old faces in Board of Directors.

## Chapter Achievement / Award

The Green Ribbon Award is presented to Bahrain Chapter with the highest number of online membership transactions with the region during the society Year 2015-16 at RAL Chapters Regional Conference, Bangkok, Thailand



ASHRAE & UNEP



H.E. Fahmi Al Jowder Minister of Housing with President Terry Townsend(L) & Tariq Malik(R)





Signing of MOU with Bahrain Society of Engineers



Board Members With DL TL Chen



ASHRAE Explanatory Meeting



Board Members with lecturer during Technical Seminar on "Technology of Fabric Ducts in HVAC Industry"



Board Members with DL James Vallort



Board Members with DL Chandana N Daluguda



ASHRAE Bahrain chapter Members & Families Get-together



ASHRAE Bahrain Chapter Seminar at University of Bahrain, College of Engineering

## STARS OF REGION AT-LARGE



### David Underwood, Presidential member 2015-16

#### Turkey

We have visited Turkey for two RAL CRC's. The first was in Istanbul (2015) and the second was in Antalya (2018).

#### Istanbul RAL CRC September 30 – October 6, 2015

We had about a week to enjoy Istanbul and would have liked more time there. The CRC was capably chaired by Baris Ozerdem. I appreciated Soner's help with the wheelchair. For the first time we met Zeki Poyraz, chairman IBIS, Turkish HVAC-R exporters who is a friend of ASHRAE.

I presented my theme speech "Making Connections" and made a presentation on Integrated Building Design and Green Construction, related to the conference theme of urban transformation. During the conference we witnessed the momentous signing of an agreement for cooperation between the Pakistan HVAC Association and ISHRAE. This was an important symbol of making connections for ASHRAE.

There are so many beautiful and historically important landmarks in Istanbul. We learned to share appreciation with the Turkish people in Istanbul of the beautiful Bosphorus, the Blue Mosque, Hagia Sophia and Topkapi Palace as well as Taksim Square, Galata Tower and Beyoğlu. In addition, we were grateful for generous hospitality in the historic Beytki restaurant with Farooq's family and as part of the CRC, at the marvellous Feriye Restaurant, overlooking the Bosphorus in Ortakoy. We also were enchanted to casually dine under the Galata Bridge with ASHRAE colleagues from the US and UK.

#### ANTALYA CRC October 4 to 7, 2018

In Antalya we especially appreciated meeting student members and reacquainting with RAL members that we have known for a long time. We were fascinated with the Roman ruins at the ancient city of Perge, its amphitheatre and the excavated part of city.

I introduced ASHRAE Standard 201 Facility Smart Grid Information Model which defines an abstract, object-oriented tool for appliances and control systems to manage electrical loads and generation sources, communicating information to the utilities and other electrical service providers. The "smart grid" allows interaction between electrical loads and electrical generation facilities.

Our experiences with Region at Large showed us the strength of this rapidly expanding part of ASHRAE.

The RAL represents special memories for Jane and me.

We visited 11 countries and 17 RAL chapters prior to the formation of Region 14 in Europe. Also, we are honoured to have attended most RAL regional dinners at ASHRAE conferences since 2015. The RAL warm hospitality has connected us with people who we value as colleagues and friends.

We have learned from RAL to appreciate different cultures and different approaches to unique technical HVAC&R issues in various climate conditions.

In many cases these approaches could be applicable in other parts of our global community.

# STARS OF REGION AT-LARGE

## **Bahrain Energy Management Conference December 5- 8, 2015**

Jane and I were honoured to participate in the grand opening and dinner of the conference and exhibition where His Excellency, Dr. Abdul Hussein bin Ali Mizra, the Minister of Energy of the Kingdom of Bahrain presided with a large group of press recording the event.

During the conference I was pleased to meet with:

- Students from the University of Bahrain and their professor Dr. Nasser Taha Ahmad.
- Farooq Mehboob, DRC RAL, Khalid Al Mulhim Sub-Region A Chair and Dr. Alaa Mohamed RVC GGAC to facilitate past and new ASHRAE members to explore reconstituting the chapter. Mr. Tariq Malik agreed to lead a nomination procedure to elect a new chapter executive for the 2016-17 Society year.
- The Bahrain Society of Engineers (SOE) that represents all engineering disciplines in Bahrain, headed by Mr. Masoud Al-Hermi, President. He expressed a strong interest in the success of the reinvigorated ASHRAE chapter.
- VP Walid Chakroun and Aymen El-Talouny spoke about the UNEP/ASHRAE work plan regarding refrigeration. The meeting concluded with plans to share work plans that include IEQ issues, an area where ASHRAE has collective knowledge.

My keynote address on ASHRAE Middle East activities introduced ASHRAE as well as Conference topics: Policy Framework; Energy Security; Energy Efficiency; Energy and Environment; Renewable Energies; Private Sector and Financing Institutions; and Energy & Climate Change. I was seated at lunch beside Dr. Nasrillah El-Tunisi the chief engineer of Saudi Aramco who is responsible for 1000 engineers. She is supportive of ASHRAE and several of her engineers were at this conference. These engineers are active on ASHRAE Technical Committees and some planned to present papers at the upcoming Orlando meeting.

We were grateful for the private tour arranged for us by Dr. Nasrillah. It was fascinating to see the Bahrain ruins that date back to 2200 BC.

## **India India, October 16 - 28 2013**

Our trip to India was primarily intended for me to present ASHRAE's perspective on green building construction at the Green Building Congress in Chennai.

ASHRAE member Ashish Rakheja described historically significant techniques that are applicable for current construction. We were able to see for ourselves as we toured in India the effect of appropriate building siting, thick wall construction, and effective use of evaporative cooling techniques in some century's old construction. Modern engineers are building on this knowledge.

We also capitalized on the opportunity of being in India to visit chapters in Delhi, Mumbai, Chennai and the Section in Jaipur. At these visits we discussed President Bill Bahnfleth's theme of "Shaping the Next".

## **India, Pakistan, Bangladesh, February 18–March 5, 2016 India**

Our visit to India this time was scheduled to participate in the prestigious India ACREX (Feb 23-27) conference in Mumbai. I was pleased, as ASHRAE President, to be a guest of honour. We were told the ceremony was similar to a wedding and events lived up to this explanation.

I reviewed many of the equipment booths at the show, presented my theme speech on "Making Connections" at the conference and met with the ISHRAE Board of Directors. We also visited chapter representatives in Delhi, Hyderabad and Bangalore.



## STARS OF REGION AT-LARGE

### **Dhaka Bangladesh**

The purpose of the trip to Dhaka was to participate in chartering this new ASHRAE chapter and to install their first officers and Board. I also presented my "Making Connections" theme speech.

We appreciated touring with Joseph P Ulysses to see various interesting sites in Dhaka and surrounding areas.

### **Pakistan**

The ASHRAE Pakistan (Karachi) chapter hosted us to attend the Pakistan HVAC&R Association conference. In addition to presenting my theme speech I was pleased to meet with students to talk about connections available for them through ASHRAE to the HVAC&R industry.

During the conference I, along with VP Jim Vallort, had an extensive television interview about ASHRAE and its technological relevance in Pakistan. At the final banquet I was able to thank the chapter and members of the association for a successful conference and generous hospitality.

### **Beirut Lebanon September 16 – 24, 2016**

We were pleased to reconnect with many friends in the Middle East at the 2nd International Conference on Efficient Building Design on the beautiful campus of the American University of Beirut. My keynote presentation elicited discussion and questions on development of ASHRAE standards, mainly from students.

Cairo December 14 – 20, 2018

We were honoured to attend the gala inauguration event of the Pyramids chapter where I delivered a speech on Commissioning of Building systems. Our gracious host was Maged Hashem and his colleagues such as Nadia Ali. They facilitated our opportunity to be in the shadows of the great pyramids and acknowledge the significance of the ancient engineers who designed these wonders. We were honoured to tour the construction site of the new Grand Egyptian Museum on the Giza Plateau (next door to the Pyramids). It will be one of the largest, most modern, and most renowned museums in the world. ASHRAE is pleased that the present-day Egyptian engineers have joined in our global efforts.

## CONCLUSION

ASHRAE is fortunate to have attracted gifted engineers through the Region at Large. Throughout the Region, we heard about innovative approaches to HVAC design. We also saw commitment to sharing engineering expertise, using ASHRAE as a vehicle for research and education which, in turn, will support using the most up to date technology available for HVAC&R design. We greatly appreciated the warm hospitality that we experienced wherever we went in the Region.

*Thank you.*



# ASHRAE QATAR ORYX CHAPTER



Chapter Statistics – 184

Formed: 21st Jan, 2008



## Chapter Presidents

- Kamal Uddin Taj, 2008-2009
- David Brown, 2009-2010
- Ramiz Gabrial, 2010-2011
- Hassan Ali Sultan, 2011-2013
- Hani Hawamdeh, 2013-2014
- Kinane Fahs, 2014-2016
- Fadi Aboulamra, 2016- 2018
- Ghassan Trabolsi, 2018-2020
- Kinane Fahs 2020-2022



## The Qatar Oryx Chapter saw the light in late 2007.

The Chapter received its name and first BOG on December 10, 2007 after the initiative of Mr. Imad Mobayed and Mr. David Brown, Mr. Hassan Sultan, Mr. Hani Hawamdeh, Mr. KamalTaj, Mr. Mohamad Mokdad and Mr. Subrata Kar

The Chapter has developed to become an innovative and adaptive group that interacts with the local Qatari Engineering Community and organizations.

It is also constantly adapting to a changing Expat Engineering Community ensuring that every incoming member is welcomed and introduced to the local community, and keeps his ties after he leaves. This is achieved by extensive personal communication, backed by the creation of the website launched in 2011, [www.ashraeqatar.org](http://www.ashraeqatar.org). The website makes available information related to technical seminars, a newsletter, social events, technical support and job information.

The Chapter developed its own Oryx Application where chats between ASHRAE members are made available, and notifications of seminars and new papers on the website reach all members instantaneously

The Chapter has been socially active throughout, combining the ASHRAE's bylaws as main guidelines and the cultural nature of its people

The Oryx Chapter has contributed at Regional and Society Level

The chapter also developed the K12 program with local and international community schools which promotes engineering as a potential career for students.

In 2016 it has tied up with some local and International universities, such as Qatar University, and the College of North Atlantic to form a Student Chapter.

The Oryx Chapter successfully hosted the CRC in 2013.

ASHRAE Oryx Chapter has been actively organizing the First & Second International Conference on Energy & Indoor Environment for Hot Climates in the year 2014 and 2017 respectively.

ASHRAE Oryx Chapter has been actively organizing the First, Second, Third and Fourth HVAC Contracting Conference.

The Chapter has been hosting the Seminars every month from September to May of every year with attendees ranging from 200 to 300 personnel.

The chapter conducted two times the HVAC Design: Level I-Training course

Memorandum of Understanding between ASHRAE Oryx Chapter and Qatar Society of Engineers in year 2011.

Memorandum of Understanding between ASHRAE Oryx Chapter and Qatar Foundation in year 2013.

Memorandum of Understanding between ASHRAE Oryx Chapter and GORD (Gulf Organization for Research & Development) in year 2020.

Even during this Pandemic, Qatar Oryx Chapter arranged a Webinar on "COVID-19 PANDEMIC & INDOOR AIR QUALITY (IAQ) IMPROVEMENT" on 21st April 2020





# ASHRAE CHENNAI CHAPTER



Chapter Statistics - 185

Formed: 22nd June, 2009 Starting  
Membership: 55

Current membership: 163

- 88 Members
- 75 Students
- 6 Student Branches



The ASHRAE Chennai Chapter was officially born on the 22nd of June 2009 after being approved at the Members Council Meeting at Louisville KY.

Some instrumental people in the formation of the Chapter were SR Valluri, RV Simha, Deepa Sathiaran, Kamalendra Singh, Sayani Haribabu.



# Chapter Presidents

- S.R.Valluri, 2009-2010
- Kamendra Singh, 2010-2011
- S.Sriram, 2011-2012
- Venkataramani Sridhar, 2012-2013
- Sayani Haribabu, 2013-2014
- Gunasekaran Raju, 2014-2015
- Rajagopal Saravanan, 2015-2016
- Prakash M Maiya, 2016-2017
- Mansoor J Bhavnagarwala, 2017-2018
- V Sridhar, 2018-2019
- Jose Swaminathan, 2019-2020
- S. Vijayabaskaran, 2020-2021



Chapter President Sayani Haribabu, 2013-2014



ASHRAE Chennai Chapter President Gunasekaran Raju, 2014-2015



ASHRAE Chennai Chapter President Dr. R. Saravanan, 2015-2016



ASHRAE Chennai Chapter President V.Sridhar, 2018-2019





# ASHRAE PUNE CHAPTER



Chapter Statistics - 186

Members : 108  
Student Branches : 6  
Fellow Members : 3  
Fellow Life Members : 2  
Life Members : 1



## Chapter Presidents



Mr. Vikas Kotian  
(SY 2019-20)



Mr. Pravin Salunkhe  
(SY 2018-19)



Mr. Sandesh Bhure  
(SY 2017-18)



Mr. Rajan Patne  
(SY 2016-17)

Pune chapter was chartered on 25th October 2009.

We had a privilege to install our first BOG on 6th January 2010 by the hands of ASHRAE President late Lynn G. Bellenger (Society's first woman President)



### FELLOW LIFE MEMBERS



Mr. Ravindra  
Kulkarni



Mr. Ramesh  
Paranjpe

### FELLOW LIFE MEMBERS



Mr. Arvind  
Surange



Mr. Mukund  
Ranade



Mr. Sailesh  
Phatak

## ASHRAE PUNE MEMBERS CONTRIBUTION AT REGIONAL & SOCIETY LEVEL

- Mr. Arvind Surange: served as the Refrigeration Chair at the ASHRAE region at large. Worked as a society level committee member for the "ASHRAE Guide for Sustainable Refrigerated Facilities and Refrigerated Systems".
- Mr. Ramesh Paranjpey: worked as a member of the ASHRAE Handbook committee.
- Mr. Pranav Godbole: worked as a member of the BEMP exam subcommittee
- Mr. Sandesh Bhure: nominated as the Reserve Alternate of the Nomination Committee at the ASHRAE region at large.
- Mr. Harshal Sumage: has been nominated as a member of the ASHRAE Refrigeration committee and also been nominated as a Co-Chair for Refrigeration committee for RAL.

### Walid Chakroun

RAL Director and Regional Chair 2008 - 2011



Walid was born in Lebanon. He moved from a small village called Irkey to Beirut where he obtained his high school in 1982. Leaving during the war in Lebanon, he went first to France to continue his higher education but he ended up getting his Bachelor of Science in Mechanical Engineering from Youngstown State University, Ohio in USA. In March 1986, He obtain his Master of Science in Mechanical Engineering from Virginia Polytechnic Institute and State University. He came back to Lebanon where he taught for a year at the American University of Beirut before moving to the USA to pursue his Ph.D. degree in Mechanical Engineering from Mississippi State University, Mississippi in May 1992. Walid is fluent in Arabic, French, and English. He worked in USA for about 5 years before moving to Kuwait in 1993 and has since then worked at the Kuwait University where he is now a full Professor in the Mechanical Engineering Department. He has authored and co-authored more than 80 Journal articles and conference papers. He also co-authored a book on an Experimental Course in Thermal Engineering.

He has served as Chairman of the Mech. Eng. Department, College of Engineering Petroleum, Kuwait University and Assistant VP for Academic Affairs at Kuwait University. In 1994 while doing research on heat transfer, Walid got interested in ASHRAE. Along with a colleague he worked on establishing an ASHRAE Chapter in Kuwait and has been involved since then. Walid has served in all Chapter positions at the ASHRAE Kuwait Chapter, at the Regional level, he served as Sub Regional Chair A and as Director for Region At Large 2008-2012. He also served as Vice President for ASHRAE and as a chair for the Government Affairs Committee. He is serving now as chair for the liaison committee between ASHRAE and UNEP also member of the Epidemic Task Force for CORONA virus. He has received the prestigious ASHRAE John F. James Award, and Distinguished and the Exceptional Service Awards. Walid is an ASHRAE fellow he has also served on the Publication and Education council, CEC, Planning and also Refrigeration committee.

Walid and his wife May have 3 children. Nadim 28, is a Ph.D holder from MIT in Mechanical Engineering. Rami 24, has completed also his Ph.D program in Biomolecular Engineering from John Hopkins and now serving as a post doc at MIT. Sweet Leah is 15 years now. Walid believes that the future of ASHRAE in meeting its mission is to look for successful ways to help students become professional members. He worked to strengthen the links between students and major employers and stressed the importance of professional development of employees. Walid has conducted many training programs and organized many ASHRAE international conferences for the Region. Walid says "ASHRAE has added so much to my professional development. Walid believes that ASHRAE has shaped his professional career tremendously. Through his involvement on many committees, he gained so much experience that were implemented in his personal career. H gained so many ideas for my research and he became more applied in nature due to his involvement in ASHRAE". Walid said "I envisioned Region At Large to evolve into different smaller regions and doing that we can develop further our members and do meaningful contribution to a smaller settings and communities. Thank you to RAL for embracing all of us".



# ASHRAE NIGERIA CHAPTER

Chapter Statistics - 187

Chartered: 25th October, 2009

Starting Membership: 124

Current Membership: 167

- 136 Members
- 31 Students
- 2 Sections
- 2 Student Branches



Inauguration Ceremony of the Nigerian Chapter

# Chapter Presidents

- Badru Agboola Babatunde, 2009-2012
- Olaniyi Olaboyejo Kehinde, 2012-2014
- Daramola O. Oluwasesan O, 2014-2016
- Bakare Adeoye Ezekiel, 2016-2017
- Ogunde Babatunde, 2017-2018
- Abdulrahman Usman, 2018-2019
- Osindero Marcus, 2019-2021

## Key Milestones and Developments

- The Inauguration of the first students' branch at the University of Lagos- chartered in 2011
- Laying the foundation for the Ghana and Abuja sections respectively, 2011-2012
- Ogundeko Ibrahim of the University of Lagos won the maiden Edition of 'New Face of Engineering College Edition Award' in 2011
- ASHRAE senior undergraduate project grant of \$1500 was won by Bukunola Bolajoko of the University of Lagos.
- Collaborated with SON, Standards Organization of Nigeria, on projects and idea-sharing, 2014-2015
- Engendered stronger working ties with NIA (Nigeria Institute of Architects), Lagos branch and the NIOS (Nigeria Institute of Quantity Surveyors), Lagos Chapter, 2014-2015
- Approval of FUNAAB students branch, 2014-2015
- Ogundeko Ibrahim won YEA scholarship on HVAC design fundamentals in Dubai who later became the first-ever YEA chair, 2014-2015
- Maduka Smart, a Mechanical engineering student of the University of Lagos won a \$1500 Ashrae senior undergraduate project grant, 2014-2015
- Akinseloyin Michael of the University of Lagos won the Henry Adams Scholarship In 2016/2017 for the 2017/2018 Academic year.
- Bakare Ezekiel won the Lincoln Bouillon Award in 2014 at the Annual Society Conference in Seattle, Washington. The award was presented by the ASHRAE President, William P "Bill" Bahnfleth
- Asibor Charleston, a student of the University of Lagos won a \$1500 ASHRAE senior undergraduate project grant, 2018-2019
- Special recognition award for exceeding RP goals, 2016-2017, 2017-2018
- Special citation for PAOE, 2018-2019
- Approval of Abuja section, 2019-2020
- Approval of Ghana section, 2019-2020
- Approval of Obafemi Awolowo University, Ile Ife Student Branch, 2019-2020
- Approval of Ken Saro Wiwa Polytechnic, Bori Student Branch, 2019-2020

The foundation for the Chapter was laid by a group of ten HVAC&R Engineers in the month July 2009. On submission of her petition in September, 2009 at the RAL CRC in Kuwait, the work of the Steering Committee received a nod from the Members Council as ASHRAE Nigeria Chapter was officially chartered on the 25th of October, 2009. Its maiden election saw the emergence of Engr. B.A. Badru as the pioneer Chapter President. Other members of the first BOG were: Kehinde O. O. President-elect; Daramola O. Sesan, Vice President; Devendra Munot, Secretary; Marcus A. Osindero, Treasurer; E. O. Olabiran (Late) and Olufemi Olatunji.

On the 23rd of March, 2010, history was made as ASHRAE Nigeria Chapter with a membership of 124 professionals had the singular honour of being inaugurated by Dr. Walid Chakroun, then DRC via Skype and this remains a major signpost in the annals of the Society.

In line with the objectives of the founding fathers of ASHRAE, the Nigerian chapter is driven by the desire to raise the standards of HVAC industry locally through continuous education and learning via e-learning, seminars, technical sessions, workshops and journals. Our members are drawn from different geographical parts of West and Central Africa.

During the 2019-2020 Society year, the Members Council, at the fall meeting and Winter Conference respectively approved the Charter of the Abuja and Ghana sections.



L-R: Olabiran, Badru, Olaniyi, Daramola, Munot, Osindero and Olatunji (Chapter inauguration)



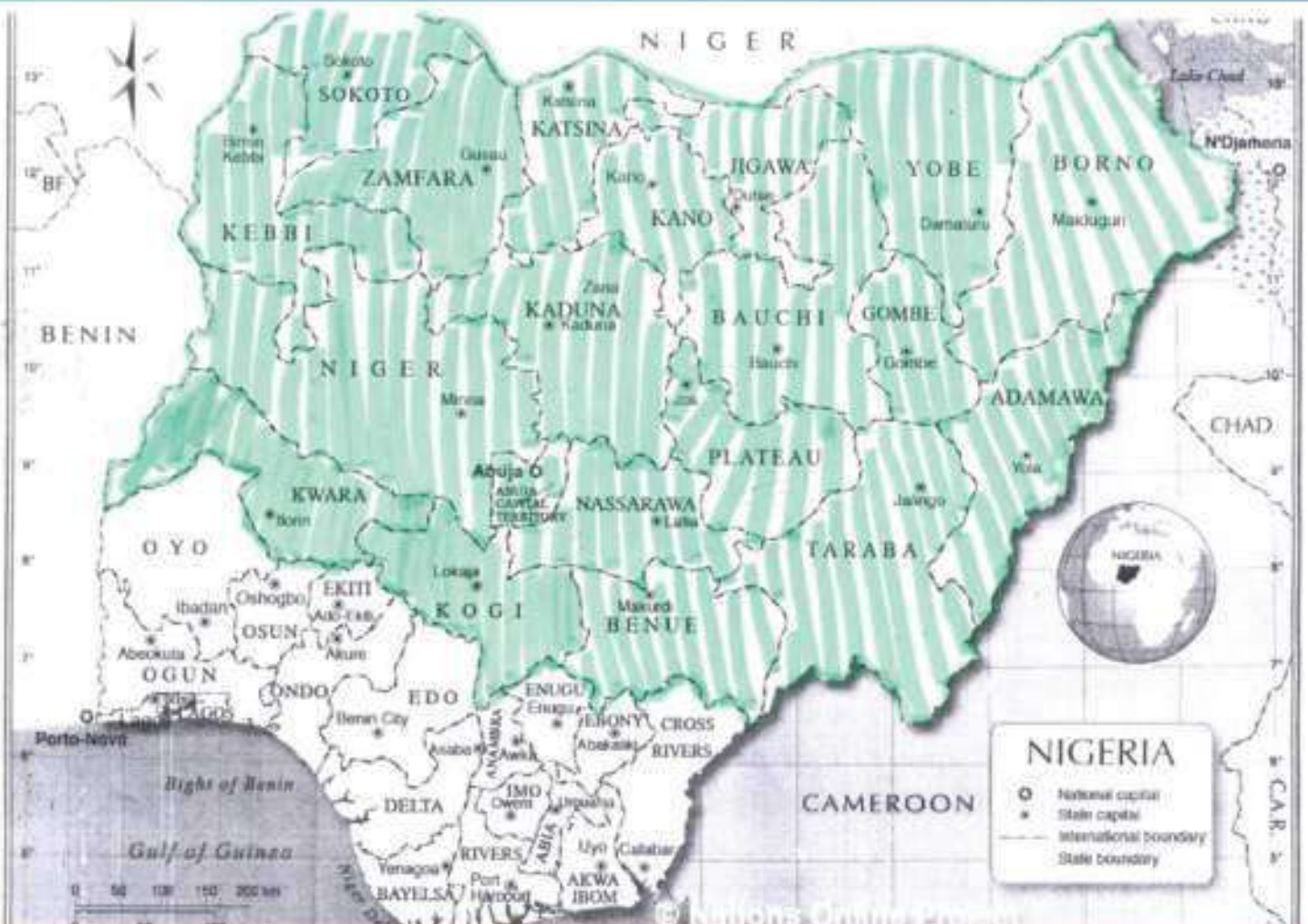
L-R: Olaniyi, Daramola, Bakare, Olatunbosun, Osindero and Ojo (AGM 2012-2013)



Olaniyi and Ogunde Award Presentation



# ASHRAE NIGERIA ABUJA SECTION



# Section President



- Our petition for the section was signed in June 2019.
- Our application as a section was granted on the 14th day of November, 2019.
- The section has 15 financially standing members and about 37 non-financial members.
- Abuja section covers the entire Northern Nigeria
- Our maiden monthly section meeting was held on the 12th day of December, 2019 and the topic of the Technical Section was: Benefit of being a member and was delivered by Engr. Abdulrahman Usman (Chapter Membership Promotion Chair).
- The president of the section is Engr Ibrahim Tajudeen
- Our second monthly section meeting was held on the 13th day of February, 2020 and it was an interactive section within members: BENEFITS OF BEING A MEMBER.
- Our third monthly section meeting was held on the 16th day of July, 2020 and it was an interactive section within members: Membership drive to move from section to a full chapter.
- We have had two webinar so far

Topic: Business Survival Post COVID-19

Speaker: Engr. Sam Otenaike, FNSE (Principal Partner/CEO of Samabot& Associates Ltd)

Date: 11th day of June, 2020

Topic: Air Purification and Isolation Rooms by means of HEPA-ULPA Filtration for High Risk Departments in Hospitals

Speaker: Hendrik Van Passel (Managing Director of MedicClean Air)

Date: 18th day of June, 2020



ASHRAE  
ABUJA SECTION  
MONTHLY  
MEETING





# ASHRAE GHANA SECTION

ASHRAE GHANA SECTION  
GEOGRAPHICAL SPREAD





## Section President



Eng. Nana OHENE-Adu

- Our petition for the section was submitted on the 28th of September 2019.
- Our application as a section was granted during the Orlando winter Conference on the 4th of February 2020.
- Ghana section is under the Nigeria Chapter
- A meeting was held on the 3rd of March 2020 to nominate the executives for the Ghana ASHRAE section with 8 members in attendance.
- The president of the Section is Ing. Nana OHENE-Adu.

## ASHRAE GHANA Section Meeting Attendance





# ASHRAE MUMBAI CHAPTER



Chapter Statistics – 188

Formed: 25th Jan, 2010



21st June 2019  
Team ASHRAE Mumbai 2019-20

## Chapter Presidents

2016-17 Nitin Naik	1st July 2016
2017-18 Viresh Ruhal	1st July 2017
2018-19 Shankar Sapaliga	23rd June 2018
2019-20 Amod Dikshit	21st June 2019
2020-21 Mihir Sanghavi	8th July 2020

**March 2016- ASHRAE Mumbai member –Nivedita Jadhav is appointed Treasurer of RAL 30th September to 2nd October 2016 Super CRC at Bangkok, Thailand, . President Nitin Naik and team attended.**

**We got a special recognition for our Historical display evidencing Recycling and Sustainability**



Certificate signed by Tim Dwyer-Regional Historian, Farooq Mehboob-DRC, Tim Wentz-ASHRAE President 2016-17 alongside History display made of recyclable straw and paper

ASHRAE Mumbai member Krishnan Vishwanath becomes RAL Nominating Committee Alternate  
ASHRAE Mumbai member –Nitin Naik is appointed Regional Chair for Sub-Region II  
8th December 2017-ASHRAE Edge- First program for all 9 chapters of Sub Region II



**17th April 2018** Inauguration of 2nd Student Branch at Indian Institute of Technology, Bombay  
Special guest- Former Director of IIT, Dr S P Sukhatme

Pic shows Handing over charter by ASHRAE Mumbai President-Viresh Ruhal



**29th August 2018**

Installation of 3rd Student Branch at Finolex Academy of Management and Technology, Ratnagiri

Ratnagiri is a port town in Western India and lies 344 km and a 8 hr drive from Mumbai. The challenge lay in servicing the branch but the sheer enthusiasm of the students made us agree to charter this Branch. All our doubts were set to rest by the remarkable performance of this Branch and its Branch Advisor

Pic:President Shankar Sapaliga addressing the students



5-7 October 2018

President Shankar Sapaliga and team to CRC@Antalya

Pic: Team at CRC@Antalya

14th December 2018

ASHRAE Mumbai presented its first version of what we consider our Flagship event "SUMMIT"

Pic: Lamp lighting- a traditional start to inaugurate the event



21st June 2019

Team ASHRAE Mumbai 2019-20

**July 2019** : Hemant Chavan of ASHRAE Student Branch, Finolex Academy Ratnagiri wins 2019 Student Branch Advisor of the Year

**September 2019**, Mr Samarth Shinde of FAMT won second prize at the RAL student competition for Paper presentation held during CRC at Jordan. All expenses paid by ASHRAE

**September 2019**, Dr Roshini Easow, Chapter Historian receives Gold Ribbon Award



# ASHRAE CENTRAL PAKISTAN CHAPTER



Chapter Statistics - 189  
Formed: 28th June, 2010  
Starting Memberships: 48

Current Memberships: 101  
• 62 Members  
• 39 Students  
• 9 Student Branches



(R-L): Mr. Richard Rooley, Mr. Arshad Shekh, Mr. Amer Abbas, Mr. Shahzad Raza, Mr. Tahir Raza, Mr. Safdar Ali, Mr. Azim Ashraf, Mr. Sajid Mehmood, Mr. Lawrence Harrison

# Chapter Presidents

- Mr. Arshad S. Sheikh, 2010-2011
- Mr. Amer Abbass , 2011-2012
- Mr. Syed Shahzad Raza Kazmi, 2012-2013
- Mr. Safadr Ali Mughal, 2013-2014
- Mr. Tahir Raza, 2014-2015
- Mr. Nisar Mhoyudin, 2015-2016
- Mr. Muhammad Farooq Saeed, 2016-2018
- Mr. Muhammad Faheem Shahbaz, 2018-2020
- Mr. Abdul Rehman , 2020-2021

## Key Milestones and Developments of Central Pakistan Chapter

- Mr. Arshad Sheikh awarded with ASHRAE Fellowship Award in Jan 22, 2012.
- Faisalabad Section (charted in June 2015) converted in a separate chapter in June 2018.
- Muhammad Amin Polytechnics, ASHRAE UET-KSK, UCEST, UMT, Swedish-RYK and UET Rachna Campus student branches chartered between Years 2015 to date.
- Chapter has been received many Awards and Certificates-like Membership Promotion, RP Full Circle, High Five Challenge, Chapter Appreciation Certificate, Service Award, Award of Excellence for chapter operation with Star and Special citation, Sustainability Activities Award, Community Sustainability Project Award at different occasions of ASHRAE Region-At large Chapters Regional Conferences (CRCs) at Dubai 2011, Cairo 2015, Sharm El Sheikh 2017, Antalya 2018, Amman 2019.
- Mr. Ramzan Saeed attends ASHRAE Leadership Training in USA in March 2019.

ASHRAE Central Pakistan Chapter (189) operates from Lahore, the oldest and historical rich city of Punjab Province of Pakistan. Lahore is the capital of Pakistan province of Punjab and second-most populous city after Karachi and one of Pakistan's wealthiest cities, with an estimated GDP of \$58.14 billion (PPP) as of 2015. Lahore is the largest city, and historic cultural Centre of the Punjab region and one of Pakistan's most socially liberal, progressive, and cosmopolitan city, known as city of Garden and featured with five-seasons (semi-arid climate).

The oldest ASHRAE members in Lahore had been appointed in late 70s. Before the inception of Central Pakistan Chapter, the members were part of the ASHRAE Northern Pakistan Chapter that was operating primarily in Islamabad city, Capital of Pakistan. It was due to the untiring efforts of founding members specially Mr. Amer Abbass that the petition by the 48 members for the formation of Central Pakistan Chapter (1st of its kind in Province of Punjab, Pakistan) was formally sent to ASHRAE Society in year 2010 and was subsequently approved in June 28, 2010. Chartering Ceremony was officiated on Feb 23, 2011 by the Past President of ASHRAE Mr. Richard H. Rooley at event of 18th Annual Pakistan HVACR Expo & Conference in Lahore.

The Founding BOG was a blend of very senior and young members of Pakistan HVACR Industry. Currently, the central Pakistan Chapter consists of 151 Members including two ASHRAE life members (Mr. Arshad Sheikh and Mr. Qamar Raza Naqvi) and 77 Student Members. Since ASHRAE focuses a lot on student activities, the chapter started developing interest among the students of leading Universities & Colleges of the city and as a result currently have Eight Student branches.

The chapter had on his honors that Mr. Arshad S. Sheikh, Life Member ASHRAE, received his fellowship award in year 2012. This was only 2nd time that an individual had achieved the feat in Pakistan & 12th time outside America.

Chapter has been holding regular member monthly meeting, ASHRAE DLs Event, member's night, and training workshops. Regular participation of chapter members in Chapter Regional Conference. With collaboration of Pakistan HVACR Society, Chapter organize Annual Conference along with the Annual Pakistan HVACR Expo on the rotation of every three years rotation



Ashrae President, Ron Jamagin (L) presenting the Fellowship Award to Arshad Sheikh (R)



Member Night & DL Program Dec 2018

# STARS OF REGION AT-LARGE

Tim Wentz  
ASHRAE Presidential Member



Tim & Marsha

**M**y history with RAL extends back to my first days as an officer of the Society. Then, as now, I was struck by the friendliness, warm hospitality, great energy and passion of RAL and its members. It is a wonderfully diverse and unique Region that demonstrates all the best our Society has to offer.

I have had the honor and privilege to meet and work with many RAL members and their chapters. Participating in the chartering of the Pyramid and South Africa Chapters was a highlight for me, as was celebrating the 50th Anniversary of the Cairo Chapter. Attending the 26th annual Pakistan HVACR and Building Services Expo in Karachi, the RAL CRC in Antalya, Turkey and the ACREX conference in India were all so memorable. My chapter visits to Kuwait, UAE, Qatar, Pakistan, India and Lebanon are also deeply etched in my mind. Each visit I have made in RAL, it is always the people that are so impressive. I am so very proud of all that RAL has accomplished and also proud to be a friend of the Region and its chapters.

I was also honored to work with my good friends Dr. Ahmed Alaa and Farooq Mehboob when the European chapters decided to form a new Region, Region XIV. This process was very carefully planned over some period of time. After the new region was formed, I was asked to lead a small team of RAL members to draft the RAL by-laws, one of the first regions in ASHRAE to have such an important and transformative document.

I distinctly remember Farooq telling me during the reforming of RAL that in three years, RAL would be back to the same size they were before Region XIV was formed. It actually took less time than that, powerful testimony of RAL's strength and passion.

As I write this, we are enduring a global pandemic that has changed the face of our planet. Working together, we will overcome this pandemic and when that happy day occurs, I would encourage all of the members of RAL to remember what made your Region so successful – connecting with people. I look forward to the day when we can all be in the same room together.



# ASHRAE DECCAN CHAPTER



ASHRAE Deccan Chapter was part of ASHRAE South India Chapter from 1995, and formed the ASHRAE Hyderabad section in the year 2010.

Later in the same year, the ASHRAE Hyderabad section was chartered as ASHRAE Deccan Chapter and inaugurated by Ms. Lynn Bellenger.



The driving force behind this was under the leadership of their dynamic leader Mr. BBN Prasad who served the Chapter as Founder President for the year 2010 – 2011 and 2011 – 2012.



## Chapter Presidents



**Mr. BBN Prasad**  
2010-11 & 11-12



**Mr. N S Chandrasekar**  
14-15



**Mr. R Murli**  
12-13



**Mr. N Chandra Sekhar**  
13-14



**Mr. Ram Chandra Raju**  
15-16



**Mr. Satish Bollareddy**  
16-17



**Mr. Kalyanarao B.**  
17-18



**Mr. Chakradhar Majety**  
18-19



**Mr. Sandeep Galhotra**  
19-20



**Mr. Jenson Sebastian**  
20-21

## Key Milestones and Developments of Deccan Chapter

- Achieved Chapter Goal and Challenge Goal and Hi 5 Goal for the year 2011-2012.
- Mr. N S Chandrasekar Joins ASHRAE Hand book publication committee member 2015.
- Mr. Srikanth Papineni, Membership Chair, receives the Lincoln Bullion Award 2014 for membership promotion over last 5 years which is now 96 members.
- Mr. Leelaprasad wins best Historian award for the year 2014/2015.
- Mr. N Chandrasekhar for best president in chapter activities for the year 2014-2015.
- Mr. N S Chandrasekar - IEQ & Planning Committees - 2014 - 2016
- Mr. Anuj Gupta - Communications Committee Member - 2020-2023
- Mr. Anmol Prabhakar - Committee - T-TAC-TC-05-2018-2020
- We have Conducted our first Mega Event - Safe & Green Hospitals during SY 17-18.
- We have Installed our First Student Branch IIIT Hyderabad during 2017-18
- Award: Anuj Gupta 2019 - YEA Award of Individual Excellence
- YEA Event: Anuj Gupta has Attended YEA Leadership International 2015, Goa
- YEA Program: Anuj Gupta Leadership U 2019 - ASHRAE Annual Conference, Kansas City, USA
- We have Installed 2 student Branches - CMR Engg College & Janafu Hyderabad 0 During 19-20

### Representation @ RAL :

- Mr. Manoj Khatri has been appointed as - ARVC - MP during the period - 2018 - 2020.
- Mr. Jenson Sebastian Has been Appointed as ARVC - RP - during the period - 2018 - 2020.
- Mr. Sandeep Galhotra has been Appointed as ARVC - CTTC - during the period - 2020-2022.
- @ RAL WEBINAR COMMITTEE - Mr. Sandeep & Mr. Anuj Gupta - are the member of this committee.



# ASHRAE TURKISH CHAPTER



Chapter Statistics - 193  
Formed: 21st January, 2014

Starting Membership: 92

Current membership: 190

- 105 Members
- 85 Students
- 10 Student Branches



During the ASHRAE Winter Conference held in Dallas on January 26-30, 2013, ASHRAE members from Turkey applied to the members council expressing their interest in establishing a Turkish Section. On January 29, 2013, the application was approved and the "ASHRAE Turkish Section" was formed with 25 members. Thereafter, the ASHRAE Turkish Chapter was approved on January 21, 2014, at the ASHRAE Winter Conference in New York. Some of the founding members are, Dr. Mehmet Baris, Mehmet Kenan Dokumaci, Soner Bicer, Bahadırhan Tari, Prof. Dr. Atilla Biyikoglu, Dr. Kadir Isa and Dr. Ayhan Onat.

## Chapter Presidents

- Mehmet Baris Ozerdem, 2014-2015
- Mr Soner Bicer, 2015-2016
- Mr Bahadırhan Tari, 2016-2017
- Mr Selman Olmez, 2017-2018
- Dr Ayhan Onat, 2018-2019
- Dr Ayhan Onat, 2019-2020
- Dr. Atilla Biyikoglu, 2020-2021

As a result of the sectoral achievements of the ASHRAE Turkish Chapter, the chapter was admitted to the HVACR Sectoral Assembly of TOBB (Union of Chambers and Commodity Exchanges of Turkey) that brings together all the associations and foundations actively working in HVACR industry.

The ASHRAE Turkish Chapter representative for the assembly is currently chapter president Dr. Ayhan Onat.

## Key Milestones and Developments of Turkey Chapter

- Despite being a Chapter less than one year old, the Turkish Chapter held a very successful RAL CRC in Istanbul in October 2015.
  - Under the leadership of President of Technology Transfer Mr. Bahadırhan Tari, ASHRAE Turkish Chapter attended the SODEX Ankara Exhibition May 2015.
  - Participation to the 13rd National HVAC&R Congress (TESKON 2017) and SODEX Exhibition, 19-22 April 2017, Izmir/Turkey
  - On January 23, 2018 - establishment of Karabuk and Akdeniz University Student Branches, the number of student branches increased to 10.
  - RAL CRC, 4-7 October 2018, Antalya/Turkey
  - Turkish Chapter International Regular Conference, "Green Trends in the HVAC-R Industry", Marmara University Sultanahmet Rectorate Building, 22-23 May 2019, Istanbul
  - RAL ECC Chair, Mr. Osama Khayata visited Turkish Chapter and presented a briefing on "Electronic Communications"
  - ULIBTK 2019 - 22nd Congress on Thermal Science and Technology, 11-14 September 2019, Kocaeli/Turkey- This international congress was organized jointly with ASHRAE Turkish Chapter, Kocaeli University and Turkish Society of Thermal Sciences and Technology (TIBTD)
  - ICAME 2019 – 5th International Conference on Advances in Mechanical Engineering, Joint Conference of YTU and ASHRAE Turkish Chapter, Yıldız Technical University, Istanbul / Turkey, 17-19 December 2019.
- Key milestones and developments of the Turkish Chapter

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- ICAME 2019 – 5th International Conference on Advances in Mechanical Engineering, Joint Conference of YTU and ASHRAE Turkish Chapter, Yıldız Technical University, Istanbul / Turkey, 17-19 December 2019.



# ASHRAE BANGLADESH CHAPTER



Chapter Statistics - 197

Formed: 30th June, 2015

Starting membership : 60

- 47 Members

- 13 Students



SRC, Abbas Sajid with the Bangladesh Chapter members



At the Chartering of the Bangladesh Chapter

The Chartering of the ASHRAE Bangladesh Chapter was done on the 1st of March 2016 at the Le Meridian Hotel in Dhaka

The ASHRAE Bangladesh Chapter became the latest addition to the ASHRAE RAL family making the total number of chapters within the RAL to become 25.

The Chartering of the ASHRAE Bangladesh Chapter was done on the 1st of March 2016 at the Le Meridian Hotel in Dhaka. The ceremony was well organized and attended by all the leading professional and engineers of the Bangladesh HVAC Industry. ASHRAE President David Underwood and his wife Jane Underwood had especially come to Dhaka to perform the Chartering of the ASHRAE Bangladesh Chapter. Mr. Farooq Mehboob, Director and Regional Chair RAL, and Mr. Muhammad Abbas Sajid Sub Regional Chair C RAL unfortunately could not attend the program due to visa issues but joined the ceremony and delivered speeches over Skype. Mr. Farooq Mehboob had requested Mr. Pankaj Dharkar from India to travel to Dhaka to attend the program and manage the Ceremony.

In his remarks, the ASHRAE Bangladesh Chapter President Mr. Manish Mitra thanked all the participants of the ceremony for gracing the occasion and briefed them about the benefits of the ASHRAE Chapter and how it is immensely going to benefit the construction Industry of Bangladesh. Terming the formation of the Chapter a historic event he hoped all the members of the Chapter would come forward and participate in the Chapter programs to get maximum benefit from the huge resources that ASHRAE provides to its Chapters and its members.

Mr. Joseph Ulysses and Mr. Brig Gen. Mofizur Rehman also spoke on the occasion and specially thanked the Sub Regional Chair Mr. Muhammad Abbas Sajid who had travelled twice to Bangladesh and had motivated the senior members of the Bangladesh HVACR community to form an ASHRAE Chapter in Bangladesh. The guest of honour at the ceremony was the former Vice Chancellor of Bangladesh University of Engineering and Technology (BUET) Mr. Musharrif Hussain Khan congratulated the Officers and members of the new ASHRAE Bangladesh Chapter and spoke about the general construction industry and its requirements and how ASHRAE Bangladesh Chapter will benefit the Bangladesh Industry. In the end there was a lavish dinner organized by the Chapter showing off the local cuisine of Bangladesh.

## Chapter Presidents

- Mahmoud Ahmed, 2018-2020
- Javaid Iqbal, 2020-2021
- Manash Kr Mitra, 2015-2017
- Belal Ahmed, 2019-2020
- KABIRUL HUQUE, 2020-2021



Chapter President Manash Mitra presenting President David Underwood and Jane Underwood with a gift



President Bangladesh Chapter Manash Mitra speaking



Dinner at the Installation Ceremony



### Ashok Virmani

2011 – 2014, Director & Regional chair

### Some of the key highlights of my term

as DRC (2011-2014) include:

- Attended CRC 2011 at Costa Rica along with ASHRAE President Ron Jamagin.
- Actively participated in BOD meetings in finalizing ASHRAE's new logo.
- Celebrated RAL 10th anniversary at Falcon Chapter CRC at Abu Dhabi in 2011 by holding special Chapter History Photo Collage and presented special designed gavel to past RAL DRCs, regional officers as well as arranged discounted ASHRAE Merchandise sale.
- Supported CRC 2012 at Sri Lanka by multiple visits and personal guidance. Attended first YEA International meeting at Sri Lanka during CRC 2012 with Tom Watson. Attended REHVA Annual Meetings at Timisoara, Romania in April 2012. Attended chartering ceremony of Turkey section in 2012 and Turkey Chapter in 2013.
- Shared the stage with Tom Watson during his Presidential Address Broadening ASHRAE's Horizon in 2013 at Denver. Planned CRC 2013 at Doha Qatar & 2014 at Madrid Spain.
- Served Developing Economies Presidential Adhoc Committee in 2013-14 & 2014-15.

Every journey has its own set of regrets. We were unable to hold future CRCs in India and Pakistan, RAL CRC venue at Beirut, Lebanon had to be shifted to Doha, Qatar. Delegates from Nigeria could not attend 2013 CRC. Chapter Status of Poland was withdrawn, and Europe chose to have its independent Region.

In the 1990s, ASHRAE leadership had reservations regarding formation of RAL due to cultural differences, language barriers as well as economic variations between countries. However, the reality has shown us that because we are different, we all bring unique values and perspectives to the RAL. It was an enriching experience to see how different cultures and economies can not only co-exist beautifully, but also grow exponentially in RAL.

My best wishes to ASHRAE President Charles E. Gulledge, Executive Board Members, RAL DRC Dr. Ahmed Alaa, RAL officers & fellow members. Wishing you all safe and healthy ASHRAE 125 years & RAL 20 years' celebrations.

### RAL: A story of our diverse history

**A**s we celebrate 125 years of ASHRAE and 20 years of Region At Large, this momentous occasion very rightly deserves another relook at our history and the wonderful journey we have undertaken to reach here.

ASHRAE India Chapter (AIC 158) is the oldest chapter of RAL, and has played a very pivotal and key role in its formation.

I served as the first RAL Nominating Committee member & Alternate from 2001-2008 and put in my best efforts to pave the way for the future. Over the years, I continued serving RAL in various positions, lending my wholehearted support to the RAL Leadership, past and current DRCs.

RAL was successful in holding Joint CRC with region XIII at Bangkok in 2016. This initiative was kick started by me & Pankaj Dharkar during Farooq's DRC term. RAL released history book of high quality on the eve of completing 15 years.

RAL has played a vital role in ASHRAE and many past DRCs have served the society as Vice Presidents and two members have served as ASHRAE Presidents (Richard Rooley, 2003-04 and Bjame W. Olesen, 2017-2018). In the coming years, RAL shall once again add a monumental achievement to its name when Mr. Farooq Mehboob shall become the first Asian and third RAL member to serve as ASHRAE President, in the year 2022-23.



# ASHRAE SOUTH AFRICA CHAPTER



Chapter Statistics – 2017  
Formed: 2nd August, 2017  
Starting membership: 126  
Current membership: 150

- 150 Members
- No Students
- No Student Branches



## OUR HISTORY

Sheila Hayter, P.E., ASHRAE President, Fellow ASHRAE, chartered and inaugurated the South Africa chapter on July 27th in Johannesburg. Sheila was accompanied by Tim Wentz, P.E., Presidential Member; Farooq Mehboob, P.E., Vice President, Life Member ASHRAE; and Dr. Ahmed Alaa Eldin, DRC of Region-At-Large (RAL), Member ASHRAE, along with some leaders from RAL.

# Chapter Presidents



2018-2019  
2019-2020  
Richard  
Humphrey

2020-2021  
Olu  
Soluade

With the strong leadership of the Chapter President, Richard Humphrey, and the commitment of his team, significant progress has been made to the development of the Chapter. RAL too has been instrumental in guiding the Chapter on their journey.

CTTC in South Africa is strong and the current focal point of the local team as it buoys members interest in the activities of the Chapter. The talks delivered under our previous CTTC chair Pauline Prinsloo and now by our current chair, Declan van Greunen are of an exceptional quality and attendance is good. We continue to grow our members, enlist students and share our knowledge with our local community.

We look forward to the growth of our Young Engineers and Student Activities with recently appointed engaged Chairs. In the last 6 months MOU's have been signed with Engineering Council South Africa (ECSA) and Consulting Engineers South Africa (CESA). Future drives will also include participation in improving our national standards, together with local experts, and to leverage the good practices that ASHRAE, as a global community, have so thoroughly documented in the ASHRAE standards.

-Prior to the ceremony, the chapter Board of Governors with the leadership of Richard Humphrey (chapter president) and Olu Soluade (chapter president-elect) held a series of meetings with most of the associations related to industry and HVAC&R professionals such as:

- The South African Qualification and Certification Committee
- South African Building Standards
- Green Building Council of South Africa
- South African Institute of Mechanical Engineers
- South African Refrigerated Distribution Association
- The University of Pretoria
- Refrigeration and Air-conditioning Manufacturers and Suppliers Association
- The Mine Ventilation Society of South Africa
- Manufacturing, Engineering and Related Services Sector Education and Training Authority
- Chartered Institute of Building Service Engineers

The chartering took place with Russell Hattingh, chapter secretary, serving as moderator. Following a presentation from Tim Wentz, Zeki Poyraz representing ISIB, the platinum sponsor, spoke. Sheila installed the chapter after she and Dr. Alaa Eldin made remarks.

ASHRAE South Africa has since its Chartering embarked on a journey to grow members and drive a culture of shared learning within the local community.





ASHRAE DL Ms Karine Leblanc's presentations at a University



Medical Gas and gas leak detection seminar



Mr Richard Humphrey receiving an award on behalf of the Chapter at the 2019 CRC



# ASHRAE FAISALABAD CHAPTER



Chapter Statistics - 210  
Formed: 26th June, 2018  
Starting Membership: 45

- 44 Members
- 11 Students
- 01 Student Branche



## Chapter Presidents

- Mahmoud Ahmed, 2018-2020
- Javaid Iqbal, 2020-2021

## Key Milestones and Developments of Faisalabad Chapter

- The chapter is using the social media to its full effect to engage the members & maintain their interest. Chapter is holding a social media page dedicated to job posting & group for better communication among members.

The Chartering of the ASHRAE Faisalabad Chapter was done on 26th of June 2018. Before the chartering of Faisalabad chapter, the members of Faisalabad chapter were the part of Central Pakistan chapter. Most of the members of Faisalabad chapter belong to Faisalabad, Chiniot and Sargodha.

The Founding BOG members were a blend of very senior & young members of the Pakistan HVACR Industry. Mr. Mahmood Ahmad was elected as the First President of the chapter, other BOG members included Mr. Javaid Iqbal, Mr. Habib Ur Rehman, Mr. Sajid Masood, and Mr. Abdul Raheem.

Since the chartering of Faisalabad chapter, various technical seminars and student activities are held. Faisalabad chapter also host one Delegation seminar in December 2018 at Hotel Grand Regent, Faisalabad.

Since ASHRAE focuses a lot on Student Activities, the Chapter started developing interest among the

Students of leading Universities & Colleges of the city. As a result, the Chapter has one Student Branch to date.

The chapter has been holding regular member monthly meetings in addition to the ASHRAE Distinguished Lecturer Events, member's night



Distinguished Lecturer Wei Sun (December 2018)



Members Get Together



Members Dinner Night



UET Faisalabad Branch visit for Student Member Promotion



# ASHRAE PYRAMIDS CHAPTER



Chapter Statistics – 211

Formed: 17th Dec, 2018

Membership States(2019-2020):  
Total Members = 82

Total Students = 146



ASHRAE Pyramids Chapter Inauguration

## Chapter Presidents



Eng. Ahmed Abdel Ghani  
(2018-2019)



Prof. Dr. Ahmed A.  
Medhat (2019-2020)



Eng. Maged Fouad  
Hashem (2020-2021)

“**A**SHRAE Pyramids Chapter was founded on June, 2018 with a successful approval from the ASHRAE society board of councils to serve our ASHRAE Society, RAL Region At Large, community, profession, HVAC & R industry for SA Students Activities, YEA Young Engineers in ASHRAE, MP Membership Promotion, GA Government affairs in Egypt, CTT Chapter Technology Transfer & of course the RP Research Promotion.

ASHRAE Pyramids chapters Born to be a Leader with chapter number 211.”

Founder Speech  
Eng. Maged Fouad Hashem

### Milestone (2018-2019)

- Pyramids Chapter's Inauguration officially on (17th December, 2018) in a presence of ASHRAE Society, RAL Region At Large officers and HVAC leaders
- More than (14) Seminars top attended was:
  - DL & Presidential members by (Eng. David Underwood and Prof. Tim Wentz).
  - Collaboration with ASHRAE RAL for SIEMENS Seminar titled "Flow Control Regulation".
  - Non-technical seminar about (FIDIC Contractors Dispute Adjudication Boards).

### Honors and awards

MP Blue Ribbon Award:  
Eng. Maria Morgan

RP Full Circle Plaque Award:  
Eng. Mohamed Naguib

Presidential Award of Excellence:  
Eng. Ahmed Abd El Ghani  
(President 2018-2019)

### Milestone (2019-2020)

- Student branches increased to (7) known by: (A.A.S.T. Student Branch, Assiut University Student Branch, Sphinx Student Branch, Alex University Student Branch, AASTMT Smart Village Student Branch, AAST Aswan Student Branch, Mina Student Branch).
- (17) Seminars: for Pyramids Chapter members, HVAC industry, non-members and Student in different student branches
- Metropolis International Institute (Seminars and Workshop) as a result of Collaboration between HRBC and ASHRAE Pyramids chapter.
- Technical (Workshop & Seminar) as Collaboration between EEAA (Ozone Sector) about Enabling Activities for HFC Phase Down.
- Technical talk about COVID-19 Ventilation with (4 parts) uploaded at YouTube channel.
- (3) Days workshop as an International Collaboration between ASHRAE (Pyramids and Nigeria) Chapters.
- ASHRAE YLI event for YEA attended by (4) YEA members held in Dubai.
- (4) DL Webinars uploaded at YouTube channels.



**RAL CRC 2018 - Antalya**  
 Pyramids Chapter Team (delegate, alternative and committees' representatives) with ASHRAE President (2018-2019) Sheila Hayter



**International conference - Sharm ElSheikh**  
 Eng. Ahmed Abd El Ghani, Prof. Dr. Ahmed Medhat, Dr. Samir Traboulsi, Prof. Dr. Ahmed ElSafty, Eng. Fady Kamal and Eng. Mohamed Ali with more than (100 participation)



**Gala dinner (2019-2020)**  
 From left to right: Eng. Ali Yassin, Eng. Ahmed Bolbol, Eng. Ahmed Abd El Ghani, Prof. Dr. Ahmed Medhat, Dr. Ahmed Alaa Eng. Maged Fouad, Eng. Ahmed Nour, Eng. Maria Morgan Dr. Kamal El Desoky, Prof. Dr. Ahmed ElSafty



**Sustainable Building Design Seminar and ASHRAE Awareness** Presented by Prof. Dr. Ahmed A. Medhat and Eng. Magad Fouad for (30 attendees) at HBRC



**Valves & Automatic Control Valves Seminar** Presented by Eng. Ahmed Abd El Ghani for (200 engineers)

## STARS OF REGION AT-LARGE



**Irene Reichert**  
ASHRAE RAL Fan forever

20 years RAL – 20 years of continuous growth and development – a wonderful story  
And I am very thankful of being able to join and being part of this group nearly from the beginning. My first contact was at the CRC in Reading in 2002 when the German DKV-Society delegated me to see what's going on there. I already knew many of the delegates from my activities at ASHRAE. But being the only guest, I had to sit second row and had to introduce myself every morning and afternoon. We had a wonderful time together.

At that time it was a rather small group of 11 chapters and we socialized at lunch and at dinner and became friends for ever.

RAL developed rapidly and I was present at every CRC from now on. In 2005 I was nominated as the first historian of RAL. It became a really hard job to motivate the new and existing chapters to take their history down from the first idea of establishing a chapter. Today we have a perfect timeline from all RAL Chapters.

My next big task was the Subregion B Chair. We had many discussions about how to better serve the members in Europe who were not organized in chapters, but often were in close contact through AASA the Associate Societies in ASHRAE. Now the European chapters and members became their own Region XIV.

Nominating Committee is a very important and most interesting committee.  
I was honored to represent RAL as Nominating Committee Alternate from 2013 – 2016 and finally as Member 2016 – 2017. As I am living in Europe I could no longer represent my friends of RAL in the Nominating Committee after the formation of the European Region.

For ever my heart and my thoughts will be with RAL and all the wonderful people and friends I met. Friendship over all borders, all different cultures but with the idea of promoting ASHRAE RAL and working for the best of our future in a healthy environment was and should be the aim for the upcoming years. I wish RAL all the best for the next decades.

Irene Reichert



# ASHRAE JORDAN CHAPTER

Chapter Statistics - 212  
Formed: 8th November, 2018  
Starting membership: 52  
Current Membership: 102

- 77 Members
- 25 Students
- 2 Student Branches





## Chapter Presidents

- Azmi Saffarini, 2019-2020
- Ghassan Al Ali, 2020-2021

## Key Milestones

Membership Promotion Committee

- Participation at JIMEX Exhibition 8th April, 2019
- The Chartering of the ASHRAE Jordan Chapter was done on the 1st of May 2019 at the Grand Hyatt Hotel in Amman.



Government affairs Committee

- Signed MOU with Jordanian Engineers Association 1st May, 2019



RAL CRC Hosting on 26-29th September, 2019 at the Grand Hyatt Hotel in Amman

عن اقامة محاضرة بعنوان  
**HVAC Air System Designs**  
 والتي سينقلها المحاضر المتميز من  
**المهندس Chandana N. Dalugoda**  
 وذلك يوم الثلاثاء الموافق 2019/10/15  
 من الساعة 10:00 صباحاً الى الساعة 12:00 ظهراً  
 في قاعة الاجتماعات رقم 1001 في فندق الجليل في عمان  
 مع التسجيل من الساعة 9:00 صباحاً الى الساعة 10:00 صباحاً

Chapter Technology Transfer Committee

- Technical Seminar at JEA 15th October, 2019

ASHRAE Members

- President: Salim
- Vice President: Osama
- Secretary: Mithab
- Design Team: Akhbar
- Event and Activity Team: Amara, Ahmed
- Public Relations Team: Subhi, Alwan
- Logistic Team: Entais, Saad

Students Activities Committee

- Jordan University Students branch
- Jordan University for science and technology branch



# ASHRAE EAST INDIA CHAPTER

Chapter Statistics - 215

Formed: 14th November, 2019

Starting Membership: 84

Current membership :88

- 66 Members
- 22 Students
- 1 Student Branches



# Chapter Presidents

- Manoj Chakrovorthi, 2019-2020

## Key Milestones and Developments of East India Chapter

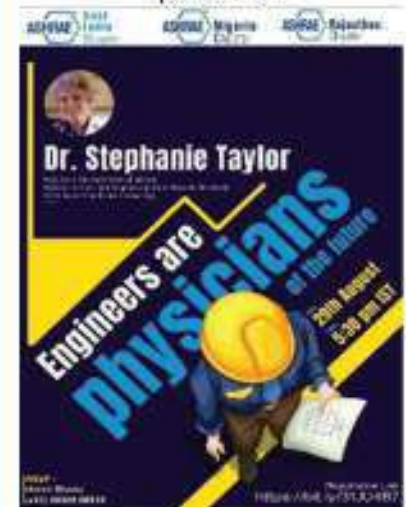
- Chapter Installation on 15th January 2020
- First BOG meeting held on 27th January 2020
- Facebook page of the chapter created on 11th April 2020
- Webinar on Clean Room Basics held on 14th April 2020
- Online Technical Talk on AC System Design strategies held on 4th May 2020
- Panel Discussion on changes in HVAC requirement post Covid held on 6th May 2020
- Online Talk on Effective air distribution using air terminal devices held on 20th June 2020
- Refrigeration day celebrated with webinar on Introduction to cold chain on 26th June 2020
- Webinar on MEP services for Tall Buildings held on 27th June 2020
- Webinar on cooling towers and adiabatic condensers held on 4th July 2020
- Technical talk on Life and safety in high rise building held on 7th Aug 2020
- DL presentation on Airborne contaminant control in healthcare environment held on 28th Aug 2020
- DL presentation on Engineers are the physicians of the future held on 29th Aug 2020



Wednesday, May 06, 2020  
4 pm to 5 pm



Panel Discussion on HVAC requirement post Covid



Webinar: Engineers are the physicians of the future

Webinar on

### Introduction to Cold Chain and it's relevance in the Current Scenario

**Mr. Harshal Surange**  
Director & CEO of BCR Project Consultants Pvt. Ltd.  
Member of ASHRAE (USA) Refrigeration Committee (2019-2020),  
New York Committee for Refrigeration Technology for Comfort, Process and Cold Chain  
Past Chair ASHRAE Refrigeration Committee

**26th June 2020**  
Starting at 7 PM

\*\*Digital Certificate for every candidate

Registration Link : <https://bit.ly/30IZ1ve>

**For ISHRAE Members : Rs. 100 only**

**For Non Members : Rs. 150 only**

**Event Fees**

Introduction to Cold Chain



# ASHRAE RAJASTHAN CHAPTER

Chapter Statistics - 216

- Formed: 14th November, 2019  
Starting Membership: 45 Current  
Membership: 134
- 54 Members
  - 80 Students
  - 4 Student Branches



# Chapter Presidents

- Rishabh Kasliwal, 2019-2020
- Rishabh Kasliwal, 2020-2021

- Rishabh Kasliwal, 2019-2020
- Rishabh Kasliwal, 2020-2021



## Key Milestones and Developments of ASHRAE Rajasthan Chapter

- Organized Distinguished Lecture of Mr. Frank Mills on topic Net Zero Hospital on November 16th 2019.
- Organized Distinguished Lecture of Dr Kishor Khankari on topic Design and Analysis of Natural Ventilation System on December 9th 2019.
- Industry Expert Lecture on Advancement in Pumps and Pumping Technology by the expert of Xylem Inc. in Poomima College of Engineering on 16th January 2020.
- Technical Talk on IOT In Smart Buildings by Mr. Dharmendra Rathore (President-Elect, ASHRAE India Chapter) at Arya Institute of Engg. Tech. and Management on 20th January 2020.
- Distinguished talk on Beyond Ozone: Cleaning Outdoor Air for IAQ by Mr. Chris Muller at Student branch Manipal University, Jaipur on ... January 2020.
- ASHRAE Rajasthan Chapter is supported National Level Student Technical Paper and Model Contest TECHNOVATION 2020 (Event Dates : 26 to 28 March, 2020)
- ASHRAE Distinguished Lecturer Program on Topic - Existing Building Commissioning (ASHRAE Guideline 0.2) by Mr. Temy Rodgers from United States on 12th March 2020 at Bhamashah Techno Hub, Jaipur
- ASHRAE Rajasthan Chapter and Chandigarh Chapter jointly organized webinar on Controls 101 by Mr. Abhishek Khurana, from Toronto, Canada on 14th April, 2020
- ASHRAE Rajasthan Chapter and India Chapter jointly organized webinar on Myth and Reality about Commercial Kitchen Ventilation (Speaker : Mr KD Singh) on April 16, 2020 with support of ISHRAE Delhi Chapter.
- ASHRAE Rajasthan Chapter, India Chapter and Chandigarh Chapter jointly organized webinar on The art of Cooling & Ventilation Spaces using the Buoyancy Effect by Dr. Rupesh S. Iyengar April 19, 2020.
- ASHRAE Rajasthan Chapter and India Chapter jointly organized webinar on Current Trends in Room Air Distribution (Speaker: Mr Krishnan Viswanath) on April 25th, 2020.
- ASHRAE Rajasthan Chapter and India Chapter jointly organized webinar on Case Study of Energy Efficiency in IT Building (Speaker: Mr GC Modgill) on April 29th, 2020 with support of ISHRAE Delhi Chapter.
- ASHRAE Rajasthan Chapter, India Chapter, Chandigarh Chapter and East India Chapter jointly organized Webinar on Design and Analysis of Natural Ventilation System (Speaker: Dr. Kishor Khankari) on May 2nd, 2020 with support of ISHRAE Delhi Chapter.
- ASHRAE Rajasthan Chapter and India Chapter jointly organized Webinar on Variable Refrigerant Flow Design and Application (Speaker: Dr. Hesham Safwat - RAL Regional Lecturer) on May 4th, 2020.
- ASHRAE Rajasthan Chapter and India Chapter jointly organized Webinar on CFD Modelling as as Assessment Tool for Performance Based Design by Prof. Ahmed A. Medhat A. Fahim on May 11, 2020.



# ASHRAE CHANDIGARH CHAPTER

Chapter Statistics - 217

- Formed: 14th November, 2019
- Starting Membership: 45
- Current Membership: 68
  - 68 Members
  - 48 Students
  - 4 Student Branches



## Chapter Presidents

- Amardeep Singh, 2019-2020
- Amardeep Singh, 2020-2021

1. ASHRAE Chandigarh Chapter installed on 18th January 2020 in the presence of following officers:

- a. Dr. Ahmed Alaa, Director & Regional Chair, ASHRAE RAL
- b. Mr. Richie Mittal, RMCR, ASHRAE RAL
- c. Mr. Nitin Naik, Chair – Sub Region II, ASHRAE RAL
- d. Mr. Ashish Rakheja, Director at Large, ASHRAE
- e. Mr. Sayani Haribabu, Treasurer, ASHRAE RAL
- f. Mr. Osama Khyata, ECC Chair, ASHRAE RAL
- g. Mr. G.C. Moudgil, RVC – GAC, ASHRAE RAL
- h. Mr. Varun Jain, President, ASHRAE India Chapter
- i. and many other officers from AIC

2. ASHRAE Chandigarh Chapter installed 4 student chapters, names of which are as follows:

- a. Lovely Professional University, Phagwara
- b. DAV University, Jalandhar
- c. National Institute of Technology, Jalandhar
- d. Chandigarh University
- e. Chandigarh Group of Colleges, Jhanjeri

3. ASHRAE Chandigarh Chapter conducted more than 13 Webinars (Online Web Sessions) with ASHRAE DLs and other expert speaker on various subjects related to HVACR & related building industry. List attached.



Installation Ceremony of ASHRAE Chandigarh Chapter on 18th January 2020

4. ASHRAE Chandigarh Chapter conducted a web panel discussion with ASHRAE RAL on 'COVID19- Opportunities for Sustainable Development' on 1st May 2020. This was first panel discussion organized at large scale organized by ASHRAE RAL & supported by ASHRAE Chandigarh Chapter.

5. ASHRAE Chandigarh Chapter released their first version of Newsletter on 5th February 2020.

6. ASHRAE Chandigarh Chapter got a good connect in conducting online web sessions and even organized by Mr. Money Khanna, CTTC Chair & Mr. Akshay Kumar, YEA Chair in collaboration with various other chapters at RAL level

## STARS OF REGION AT-LARGE

### Farooq Mahboob

*RAL Past DRC, ASHRAE*

*Society Treasurer*



**M**y first experience at RAL was when I traveled to the UK to attend the RAL CRC being held at Reading

It was a very small group compared to our CRC's today but I had the good fortune of meeting some of the great personalities of ASHRAE. Don Colliver was President then, Richard Rooley was President Elect, Kent Peterson was a Vice President. Ashok Virmani, Khalid Mulhim, Samir Traboulsi, David Arnold and Tim Dwyer were there as well.

In the years since then RAL has grown to be the biggest Region in terms of chapters and the second largest in membership in ASHRAE. The growth of RAL has outpaced every other Region and Society.

If I look at RAL today I see that the hallmarks of this great Region our passion, intense participation, brotherhood, diversity and this has been the result of some very good planning and the great leadership that RAL has been blessed with. I had the good fortune to have worked with some of the most dedicated and passionate volunteers in all of ASHRAE.

If I reflect on the reasons for the success of RAL I can think of a few things which have played a critical role in our success.

We eliminated uncertainty in leadership progression, our byelaws gave us the framework which governs the Region, all credit to Dr. Alaa and Richie or they close collaboration and increasing the participation of members in regional governments by the committees that were set up this has energized and motivated our volunteers. Communications are key and RAL has established an excellent communication system for Instant communication within the region and its Sub groups. Great credit to Osama Khayata for this.

RAL is now on the verge of a transition in leadership, I am sure that the emerging leadership will take RAL to new heights, there's no stopping the Region "where things happen".



# ASHRAE OMAN CHAPTER

Chapter Statistics - 218

Formed: 4th February, 2020  
Starting Membership: 42 Current

membership : 42

- 42 Members
- No Students
- No Student Branches







# ASHRAE LIBYA CHAPTER

Chapter Statistics - 219

Formed: 4th February, 2020  
Starting Membership: 40

Current Membership : 40

- 40 Members
- No Students
- No Student Branches



Regular Chapter Meeting



Virtual Real Meeting



Attending FALCON meeting as guest





# ASHRAE SUDAN CHAPTER

Chapter Statistics - 221

Formed: 10th November, 2020



Chapter President 2020 : Mohammed Zolkefle

# STARS OF REGION AT-LARGE

## Ayman Eltalouny

Coordinator International Partnerships  
OzonAction, Law Division  
UN Environment Programme (UNEP)  
Paris, France



### UNEP ASHRAE Cooperation born from the womb of RAL

With an idea started over a falcon chapter social function in 2004, the first ASHRAE-UNEP engagement is started in RAL with signing a regional MOU between UNEP West Asia Office and ASHRAE chapters in Lebanon, Kuwait, Saudi Arabia and UAE (Falcon). It didn't take long to recognize how important the relationship for both parties and their clients where ASHRAE was UNEP gateway to industry and UNEP was ASHRAE gateway to government and policy makers. Although both parties upgraded the relationship to the global level by signing an international agreement in 2007, the relationship between UNEP and RAL remained at the forefront given the activeness of RAL chapters and members as well as UNEP interest in implementing programs/activities in developing countries.

### Region-at-Large; what a journey...

I'm so privileged and lucky to witness the rapid development of RAL from lens of an ASHRAE member and the lens of ASHRAE partner. It was astonishing how chapters grows, how members built strong region despite all logistical, distance and borders contains. It is by far the most challenging region but also the most rewarding. RAL become a model example for industry associations when it comes to bridging nations through expertise.  
Bravo RAL...



### ASHRAE-UNEP Key Milestones at RAL

### Date - Venue

First ASHRAE-UNEP Cooperation Agreement (with ASHRAE Chapters in West Asia Kuwait, Lebanon, Saudi Arabia and Falcon)	Dubai 2005
UNEP Support the formation and inauguration of ASHRAE Bahrain Chapter	Bahrain 2006
ASHRAE & UNEP sign an International Cooperation Agreement based on the success of the regional agreement	Milan 2007
First UNEP technical session at ASHRAE RAL-CRC 2009	Kuwait 2009
International Conference on Chillers Technologies (RAL-CRC 2010)	Cairo (Sept 2010)
International Workshop on Alternative Refrigerants (RAL-CRC 2011)	Abu Dhabi (Sept 2011)
First International Symposium on Alternative Refrigerants for High Ambient Temperature (HAT) Countries	Kuwait (2011)
A Workshop on Implementation of HPMP (RAL-CRC 2013)	Doha (Sept 2013)
2 <sup>nd</sup> , 3 <sup>rd</sup> , 4 <sup>th</sup> & 5 <sup>th</sup> International Symposia on Alternative Refrigerants for High Ambient Temperature (HAT) Countries	Dubai (2012-2015)
International Conference on District Cooling for Urban Development (RAL-CRC 2017)	Sharm El-Sheikh (Sept 2017)
Side Events about ASHRAE-UNEP Cooperation and Products at Montreal Protocol Meetings (Montreal, Quito, Rome)	2017, 2018, 2019
Technical Conference on HVAC&R Codes for Developing Economies (RAL-CRC 2019)	Amman (Sept 2019)
International Webinars on High Ambient Symposium (2-sessions in English and French)	ASHRAE Global Center (Dubai) June 2020



Europe Chapters  
Exit  
ASHRAE RAL



# ASHRAE DANUBE CHAPTER

Chapter Statistics - 176

Formed: 8th April, 2005 Starting  
Membership: 51

Current membership : 232

- 107 Members
- 125 Students
- 7 Student Branches



After installation ceremony in 2005 in Timisoara, Romania

# Chapter Presidents

- Florea N. Chiriac (RO), 2005-2007
- Adrean Retezan (RO), 2007-2008
- Zivojin B Perisic (SRB), 2008-2009
- Prof Robert Gavriiluc (RO), 2009-2010
- Bratislav D Blagojevic (SRB), 2010-2011
- Ioan Bojan (RO), 2011-2012
- Prof Milorad Lj Bojic (SRB), 2012-2013
- Gratiela Maria Tarlea (RO), 2013-2014
- Dr Marija S Todorovic (SRB), 2014-2015
- Liviu Geo Drughean (RO), 2015-2016
- Dr Zoltan Magyar (HU), 2016-2017



Timisoara Chapter Installation 2005, B. Todorovic, C. Balaras, F. Chiriac

The Danube Chapter held its chartering ceremony on April 8, 2005 and was the second ASHRAE chapter in Sub Region B. ASHRAE President Ron Vallott and Sub Region B Chair, Costas Balaras, were present at the event.

The headquarters of the Danube Chapter is the University of Timisoara, Romania. Initially, there were 51 members from Bulgaria, Croatia, FYROM, Hungary, Romania, Serbia & Montenegro, and Slovenia.

The Chapter has no country flag, as it consists of group of members from 13 countries (Albania, Austria, B&H, Bulgaria, Czech, Croatia, Hungary, Macedonia, Montenegro, Romania, Serbia, Slovakia, Slovenia) surrounding the beautiful blue Danube; the flag is therefore represented by a map. Several of these countries have National HVAC or similar energy related organizations and successfully participate in ASSA.





## Key Milestones and Developments of the Danube Chapter

- The Danube Chapter is actively involved in ASHRAE and International Organizations as IIR, UNDP, UNEP, UNIDO, to name a few.
- Annual Meetings are organized every year during the A.I.J.R. Romanian Association of Installations Engineers Conference in Romania, Timisoara. Every year, conferences are also held in Romania and Sinaia.
- 10 Years Anniversary celebration was in Sinaia in 2015, during the Jubilee Conference on "The Installation For Building And The Ambient Comfort" organized by the A.I.J.R. Romanian Association of Installations Engineers.
- The Chapter members are active contributors in the successful organization of 10 (from 36th-46th) HVAC Congresses & Exhibition in Belgrade, with the Serbian HVAC (KGH/SMETTS) Association as main organizer.
- In 2010, HVAC Congress & Exhibition started a Special Program for Students & YEA combined with Professional Development & Industry Enforcing Promotion Program.
- There are 7 Student Branches in the Chapter. First two were founded in Serbia at the University of Kragujevac 2008, and University of Novi Sad 2009. Others are the Universities of Belgrade & Nis, Serbia and the University of Bucharest, Romania. Branches in Belgrade and Novi Sad are very active in ASHRAE student design competitions, particularly ISBD category.
- ST. Branch University of Novi Sad, ASHRAE ISBD Student Competition 4th place (Rising star) 2010-11; and in the same category 2nd place 2012; ASHRAE Grant-in-Aid and added distinction of being named the 2011-2012 ASHRAE Life Member Club Grant as a best project proposal in 2011-12; ASHRAE Undergraduate Senior Project Grant Program Air Heating Solar Collector from Recycled Materials, 2013/14.
- ST. Branch University of Belgrade - ASHRAE ISBD Student Competition 2nd place, 2013.
- B.B. Todorovic : Best Paper Award (Branislav B. Todorovic and D. Curcija for "Calculative Procedure for Estimating Cooling Loads Influenced by Window Shading, Using Negative Cooling Load Method); International Activity Award 1992; Distinguished Service Award 1995; ASHRAE Distinguished Lecturer, 2004 - 2010; Recognition of continuous Support to the Hellenic Chapter, 2000; E. C. Campbell Award of Merit 2002. Also, a member of several ASHRAE committees.
- M.S. Todorovic : Technical Activities Committee, Member/Section 7 Head 2016-2020; Publications Committee, Member, 2013-2016; TC 6.7. Solar Energy Utilization Chair, 2013- 2015; Honors And Awards Committee, Member, 07/01/2010-2013; Student Activities Committee, Region RAL/Regional Vice Chair, 2008-2010; A-Developing Economies Presidential Ad Hoc Committee, member, 2013-2015; Lecturer in "Efficiency and Sustainability of Buildings - Design and Calculation Tools, UNESCO-ENEA, E-learning Program, 2006/2007; REHVA elected Fellow 2010; WAAS (World Academy of Art and Science) elected Fellow, 2009.
- ASHRAE Fellow Members : Todorovic, B.B. 1987, Serbia, Rákóczy, T. 1997, Germany, Peršić, Z.B. 1999, Serbia, Novak, P. 1999, Slovenia, Chiriac, F. 2006, Romania, Todorovic, S. M. 2009, Serbia, Magyar, Z. 2016, Hungary, Petraš, Dušan. 2014, Slovakia.
- ASHRAE Presidential visits: Ronald P. Vallort, 2005, Terry Townsend, 2006, Lee W. Burgett, 2007, William A. Harrison, 2008, Gordon V. R. Holness, 2009, Lynn G. Bellenger, 2010, Ronald Jamagan, 2011, Thomas Watson, 2012, William P. Bahnfleth, 2013, David Underwood, 2015.



# ASHRAE HELLENIC CHAPTER

Chapter Statistics - 168

Formed: 16th March, 2000 Starting Membership: 55

Current membership : 192

- 155 Members
- 37 Students
- 2 Student Branches



At the Hellenic Chapter Chartering



## Chapter Presidents

- Panagiotis Megaritis, 2000-2001
- Dimitris A Charalambopoulos, 2001-2003
- John E Papagrigorakis, 2003-2004
- Konstantine D Kostopoulos, 2005-2006
- Konstantin Koutsogiannis, 2008-2009
- Dimitris Z Atsidaftis, 2011-2012
- Dimitris Mantas, 2012-2013
- Nick Meris, 2013-2014
- Vasiliki Galiotou, 2014-2015
- Vasileios P Paraskevopoulos, 2015-2016
- Dr Ioanna Deligkiozi, 2016-2017



Bill Bahnfleth, Tim Wentz, Costas Balaras, Ioanna Deligkiozi, David Underwood, Dimitris Charalambopoulos amongst others.

The Hellenic Chapter's charter was approved in 1999 by the Board of Directors of ASHRAE during the Annual Conference in Seattle, U.S.A. On April 16, 2000 the inaugural event of the Hellenic Chapter was held at a Central Hotel in Athens.

The Chapter has been established amongst others by the tireless efforts of Costas Balaras, Ioannis Papagrigorakis and Dimitris Charalambopoulos. The number of members in the petition of the chapter creation was around 55 and the society year closed successfully with 120 members.

The Hellenic Chapter in the last sixteen years has consistently and successfully organized a series of

Technical Seminars and technical tours in related fields. Participation in the seminars has been increasing steadily and currently is around 220-250 engineers on average. During the last five years the Hellenic Chapter has been organizing the International Conferences "ENERGY in BUILDINGS" where more than 750 engineers register in every one of them. The conferences are also webcasted live and watched all over the world.

Since 2012, the Chapter annually holds the ASHRAE Certification Exams (BEAP, BEMP, CPMP, HBDP, HFDP and OPMP) in which more than 15 members from the Hellenic Chapter have been certified. The Hellenic Chapter publishes an

electronic Newsletter, sent to over 3.500 recipients, and maintains the site ([www.ashrae.gr](http://www.ashrae.gr)) where the activities of the Chapter and its sponsors are listed.

Representatives of the Hellenic Chapter participate on ASHRAE'S Regional and Society Conferences.

## Key Milestones and Developments of Hellenic Chapter

- In June 1999 the Hellenic Chapter was founded as Chapter #168.
- The RAL CRC was held in Athens, Hellas, September 25-27, 2005.
- In 2010, the Hellenic Chapter and ASHRAE started its collaboration on Certification, Technical guides etc., with the Technical Chamber of Greece, which has more than 110,000 members. TEE and ASHRAE became Affiliated Societies in 2011.
- In February 13, 2014, a memorandum of understanding (MOU) between the Hellenic Chapter and the Hellenic Navy was signed, uniting common goals for energy efficiency and indoor air quality.
- In October 13, 2012, the first International Conference "Energy in Buildings" was held. Since then the conference is held every consecutive year and is one of the permanent features of the Hellenic Chapter.
- In 2012, ASHRAE certifications exams (BEAP, BEMP, CPMP, HFDP, HBDP and OPMP) were held for the first time in Athens. Their acceptance from the Hellenic community of engineers gave the incentive to the Hellenic Chapter to organize them every year since then.
- In May 22-24, 2015 the International Conference "Environment & Energy in Ships" was co-organized for the first time with the Hellenic Navy, the Technical Chamber of Greece (TEE) and ASHRAE commencing a collaboration between ASHRAE and the Hellenic Navy.
- Acceptance of ASHRAE's values and offerings has grown since the formation of the chapter and remains very high. Attendance in the seminars is typically over 200 participants, appealing to a wide variety of engineering disciplines in the audience. In 2016 the formation and charter of the Student Branch at University of Western Macedonia, Hellas was completed.



President Tom Phoenix presenting an Award.



President David Underwood in Athens



President Kent Peterson presenting an Award



President Bill Bahnfleth in Athens



Technical Seminar



# ASHRAE PORTUGAL CHAPTER

Chapter Statistics - 177

- Formed: 14th June, 2005  
Starting Membership: 51  
Current membership : 80
- 77 Members
  - 3 Students
  - 3 Student Branches



Ron Vallort and Costas Balaras with the leadership of the Portuguese Chapter

# Chapter Presidents

- Luis Malheiro, 2005-2007
- Prof Jorge A Saraiva, 2007-2008
- Fernando Brito, 2008-2010
- Ernesto F Peixeiro Ramos, 2010-2012
- Dr Eduardo A B Maldonado, 2012-2013
- Serafin R Grana, Eng, 2013-2014
- Antonio C Pelaez, 2014-2015
- Isabel G Sarmiento, 2015-2016
- Dr Miguel Cavique Santos, 2016-2017



13th Air Conditioning Seminar focused on Energy Efficiency of HVAC systems

The Portugal Chapter was chartered on the 14th June, 2005, in Lisbon, by the President of ASHRAE, Ron Vallort, and President of ADR-AR(B), Costas Balaras. The constitution of Portugal as Chapter Society Nonprofit took place later, in the first half of 2006, with the creation of the Association for the Promotion and Development of Air Conditioning and Refrigeration".

The Portuguese Chapter has had the privilege of hosting a CRC in October 2008 which was a tremendously successful event.

The Portugal Chapter regularly conducts programs not only for members but also for the industry in general.





## Key Milestones and Developments of Portugal Chapter

- September 2005, Technical sessions on the topic "Using simulation tools" with a total of 154 participants.
- October 2005, Technical Session presentation CADvent utility for tracing behaviors with a total of 22 participants.
- October 2005, Seminar on HVAC in Lisbon on the topics of Ventilation Efficiency, Indoor Air Quality and Maintenance with a total of 130 participants.
- February 2006, Chapter Seminar
- July 2006, Ventilation and Air Quality Seminar
- May 2007, Application of natural ventilation in buildings and mixed Seminar
- November 2007, Air Conditioning Seminar dedicated to new regulation on Energy Efficiency and other HVAC topics.
- October 12 - 15th 2008, CRC Lisbon at Sana Lisboa Hotel.
- October 2008, 8th Air Conditioning Seminar
- October 2009, 9th Air Conditioning Seminar dedicated, among other topics, to Smoke Control in Buildings, Energy Savings in HVAC and Low temperature Heating and High temperature Cooling.
- October 2010, 10th Air Conditioning Seminar electing the Schools as the major topic of debate, namely HVAC Design; Maintenance and Operation, IAQ and Lighting.
- October 2011, 11th Air Conditioning Seminar dedicated mainly to the discussion of the European Policies determining that in the time frame of 2018/20 the new buildings should be designed towards the NZEB1 concept.
- October 2012, Fundação Champalimaud1 Seminar – HVAC Case Study Presentation and Visit to the Technical Areas, with a total of 25 participant.
- October 2012, 12th Air Conditioning Seminar focused on the Refurbishment of buildings and the impact and strategies related with HVAC design; energy efficiency and Indoor Air Quality and their relation with the Architecture point of view.
- March 2013, Air Conditioning in Hospitals Seminar: 80 participant
- June 2013, Data Centers Air Conditioning Seminar – Discussion of different topics and Visit to the Technical Areas with a total of 50 participants.
- October 2013, 13th Air Conditioning Seminar focused on energy efficiency in HVAC systems: Design; Construction and Operation of Energy Efficient HVAC systems: 150 participants.
- March 2014, ASHRAE Conference dedicated to Indoor Air Quality and Energy Efficiency



# ASHRAE SPAIN CHAPTER

Chapter Statistics - 182

Formed: 25th June, 2007

Current membership : 185

- 184 Members
- 1 Students
- No Student Branches



Foundation of the Spain Chapter with Samir Traboulsi (L) and Kent Peterson (R)

## Chapter Presidents

- Francisco Mari-Pino Garcia, 2007-2008
- Nicolas Gomez Gil, Sr, 2008-2009
- Rafael Urculo, 2009-2010
- Dr Alejandro Cabetas, 2010-2011
- Enrique Yotti, Sr, 2011-2014
- Adolfo Sanz Izquierdo, Sr, 2014-2015
- Antonio M. Tabasco, 2015-2016
- Andres J Sepúlveda, 2016-2017



Bill Bahnfleth (center) & Adolfo Sanz(R), 2015

The ASHRAE Spain Chapter was founded in 2007 with the efforts of Mr. Francisco Mari-Pino Garcia, Enrique Yotti and Adolfo Sanz to name a few. President Kent Peterson and RAL DRC Samir Traboulsi were at the Chartering Ceremony held in Madrid.

The Chapter has grown to a healthy 185 member group.

The chapter was honoured to host and successfully organized the 13th RAL CRC in Madrid in 2014.



The Spanish Chapter at the RAL CRC 2014. Chapter President Enrique Yotti seen in the middle

## Dr. Ahmed Alaa

*Director & Regional Chair, Ashrae  
Region At Large (2018-2021)*



**A**s a member at ASHRAE Region-at-Large, I am very proud to represent them in the board of directors. It is a privilege to have gotten the chance to navigate amongst all of region's chapters in the company of the distinguished members in different events and occasions.

Over the years, I have been mentored and supported by my seniors, Farouk Mehboub, Ashok Virmani, Walid Chakroun, and Samir Traboulsi, as we do in RAL to maintain smooth handovers between the generations. They have taught me a lot about leadership, ASHRAE, and the Region and to them, I remain tremendously grateful. It was also to my advantage that in the last 10-15 years, most of the society presidents and leaders visited the Region-at-large which has helped me observe how they lead and acquire some of their leadership qualities.

I should highlight that Region-at-large has reached a unique and top level amongst others because of the massive synergy and collaboration between my very special team of the RAL leader's council.

Special thanks and credits go to all RAL officers, RVC's, ARVC's and Ad-Hoc committee chairs and members during my tenure. We, at RAL, are all continuously striving to serve our members and to lift our region higher and higher by maintaining our family connections and spirit always.



The background features several overlapping geometric shapes in shades of teal and blue. A large, dark blue shape is on the right, with a teal shape overlapping its left side. Another teal shape is at the bottom left, and a smaller teal shape is at the top left. The text is centered on the dark blue area.

# Chapters Regional Conferences

# 1st ARC in Reading, United Kingdom, 2002



ARC General  
Chair  
Ismena Deacon



RAL DRC  
David Arnold



Society  
President  
Don Colliver



Where: University of Reading  
When: September 18-20, 2002

Chapters in Attendance: 9

- India
- South India
- Western India
- Kuwait
- Saudi Arabia
- Lebanon
- Hellenic
- Cairo
- Sri Lanka

The first ASHRAE RAL ARC was inaugurated on the 18th September, 2002, with a Welcome Party at the Museum of English Rural Life, on the University Campus.

The Technical Seminar, scheduled for the next day, was a contribution by six speakers, including Kent Peterson, the then Vice President of ASHRAE.

President Don Colliver was the Key note speaker of the Seminar. The rest of the day's events comprised of the Caucus and Business Sessions, closing with dinner at a Traditional English Pub.

Richard Rooley, Don Colliver, Kent Peterson, Sidney Parsons, Samir Traboulsi and Tim Dwyer conducted the Training and Workshop Sessions, that were scheduled for the last day.

The first RAL award for the Best Chapter Report was presented to the India Chapter, and received by Uma Shankar at the Awards Lunch.

The highest PAOE Points were awarded to Kuwait followed by India.

## The ASHRAE Family



## Technical Seminar and RAL Business Meeting



# 2nd ARC in Cairo, Egypt, 2003



ARC  
General Chair  
Dr. Alaa Olama



RAL DRC  
David Arnold



Society  
President  
Richard Rooley



Where: Hilton Pyramids Hotel, Cairo  
When: September 7 -8, 2003

The second ASHRAE RAL ARC was inaugurated on the 7th September, 2003, with a Welcome Party at the Hilton Pyramids. It was the first CRC held in a 5-Star hotel.

An outing was arranged at the Sphinx Sound and Light show which was brilliant, and greatly enjoyed by all.

There were a large number of attendees who were ordinary members as well as families. A cruise on the night with a belly dancers' performance was one of the highlights of the CRC. The Cairo Chapter arranged sightseeing tours to the historical places and all arrangements were extremely well done.

### Chapters in Attendance: 11

- India
- South India
- Western India
- Pakistan
- Kuwait
- Saudi Arabia
- Lebanon
- Falcon
- Hellenic
- Cairo
- Sri Lanka

## The ASHRAE Family



## Social Events and More!



# 3rd RALARC in New Delhi, India, 2004



ARC  
General Chair  
Dr. Rajeshwar  
Malhotra



RAL DRC  
David Arnold



Society  
President  
Ron Vallort

The 3rd Annual Regional Conference of ASHRAE Region-At-Large was held from Sept. 25 to 27, 2004 at hotel The Grand, New Delhi. This is the first time an ASHRAE Conference was held in India and the India Chapter had the honour to host this conference supported by Western India and South India Chapters.

The ARC was attended by ASHRAE President Ron Vallort, Vice President Darryl Boyce and Director Membership Services Carolyn Kettering. The officers representing the RAL were DRC David Arnold from the UK, and the 3 SRC's - Constantinos Balaras Region B, Tim Dwyer from Region C and Walid Chakroun from Region A. Samir Traboulsi, the Assistant Regional Chair was also present. Dr. R. K. Malhotra was the General Chair.

The first full day of the conference was devoted to DISCONF 2004 -A one day technical conference on Innovative Trend in HVAC. Approximately 240 delegates attended the technical conference and a total of 8 technical papers were presented by eminent scholars. On day 2 (26th Sept.) the DRC David Arnold conducted the business sessions in presence of the three Society officers. The Caucus and Executive sessions were chaired by Nominating Committee Member, Ashok Virmani. Day 3, the 27th Sept, was devoted to Chapter Operations Workshops conducted by Darryl Boyce, Carolyn Kettering, Constantinos Balaras, Tim Dwyer and Samir Traboulsi.

A highlight of the conference was an invitation to all the past presidents of the three ASHRAE chapters in India to attend the ARC. Twenty-two past presidents from all three chapters attended a special interactive session with Society President, Ron Vallort, and were recognized and felicitated by him during the Awards Luncheon on 27th September, 2004.

The Welcome Dinner was held on 25th September, 2004 at Pahwa Farms, located at outskirts of

New Delhi. The highlight was "Bhangra dance troupe" followed by Gala Dinner



Where: The Grand Vasant Kunj  
When: September 25 - 27, 2004

Chapters in Attendance: 11

- India
- Kuwait
- Hellenic
- South India
- Saudi Arabia
- Cairo
- Western India
- Lebanon
- Sri Lanka
- Pakistan
- Falcon

## The ASHRAE Family



## Technical Seminar and RAL Business Meeting



## Technical Seminar and RAL Business Meeting



## Social Events and More!



# 4th ARC in Athens, Greece, 2005



ARC General Chair  
Dimitris  
Charalambopoulos



RAL DRC  
Samir  
Traboulsi



Society  
President:  
Lee Burgett



Where: Divani Caravel Hotel  
When: September 26 - 27, 2005

Chapters in Attendance: 14

- India
- South India
- Western India
- Pakistan
- NPakistan
- Kuwait
- Saudi Arabia
- Lebanon
- Falcon
- Cairo
- Hellenic
- Sri Lanka
- Danube
- Portugal

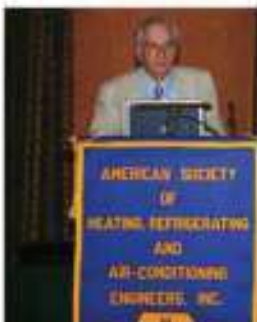
The 4th RAL ARC was held in the lovely historical city of Athens. RAL had grown to 14 Chapters, all of whom were in attendance. Additionally, the ARC was also attended by members of ASHRAE from Greece, Poland and the Balkans.

The Technical Conference, held on September 25, was on Energy Efficient Design and Implementation of Energy Efficient Systems for buildings. Several distinguished speakers from Greece and abroad were present, and a large international audience of 160 delegates, included engineers and scientists from all around the world.

The hospitality of Greece is legendary and was witnessed first hand by all.

Highlights were visits to the Acropolis, Outdoor dining in ancient gardens. The organization was meticulous thanks to Dimitris Charalambopoulos, ARC, and Costas Balaras, SRC B, and their team. A wonderful time was had by all.

## Technical Seminar and RAL Business Meeting



# 5th RAL CRC in Dubai, UAE, 2006



ARC General Chair  
Bassel Anbari



ARC General  
Chair  
Antoine Dammous



RAL DRC  
Samir Traboulsi



Society  
President  
Terry Townsend

The fifth ASHRAE RAL ARC was inaugurated on the 1st November, 2006. It was hosted by the Emirates Falcon chapter after being shifted from Beirut and co-chaired with the Lebanese Chapter.

It was a grand event at the newly built Al-Murooj Rotana Hotel, with one hundred attending the Conference.

The Welcome Party was held on a cruise boat on the Dubai Creek and was a great success too.

The Technical Seminar was titled "ASHRAE Technical Standards on HVAC&R, Share Local Practices with Global Members", with eight speakers giving excellent presentations.

The concluding event was an evening in the desert, complete with belly dancers and camel rides.

Dubai is a beautiful city and the CRC was meticulously planned, organized and executed by the hosts making it a memorable CRC for all those who attended.

## Social Events and More



Where: Al Murooj Rotana  
When: November 1 -3, 2006

Chapters in Attendance: 16

- India
- South India
- Western India
- Pakistan
- NPakistan
- Kuwait
- Saudi Arabia
- Lebanon
- Falcon
- Cairo
- Hellenic
- Sri Lanka
- Danube
- Portugal
- Bahrain
- Poland

## The ASHRAE Family



(L -R, front seated) DRC, Samir Traboulsi; Kent Peterson, Irene Reichert, RAL historian; Terry Townsend, ASHRAE president;



Sand Maalouf, Lebanese Chapter alternate; Jeff Littleton, ASHRAE executive vice-president; David Arnold, CRC parliamentarian; and Bassel Anbari, Emirates Falcon Chapter President

# 6th RAL CRC in Goa, India, 2007



ARC General Chair  
Sudhir KN Sinha



ALDRC  
Samir Traboulsi



Society  
President:  
Kent Peterson

The sixth ASHRAE RAL CRC was inaugurated on the 2nd September, 2007, at the luxurious Park Hyatt Resort. This was a huge property with gardens, villas and a private beach in Goa, the 'Paradise of India', tropical and lush green. Sudhir Sinha and his team had made sure everyone and everything was catered for as was the breakfast on the patio.

The South Indian Cuisine was a delight.

The Welcome party was held in the hotel while the Dinner was held on a luxury cruise boat with several decks and rooms which were occupied by various groups.

The Goa CRC was a great success.



Where: Park Hyatt Goa  
When: September 2-5, 2007

Chapters in Attendance: 17

- India
- South India
- Western India
- Pakistan
- NPakistan
- Kuwait
- Saudi Arabia
- Lebanon
- Falcon
- Cairo
- Bahrain
- Hellenic
- Sri Lanka
- Danube
- Portugal
- Spain
- Poland

## Social Events and More



Awards Lunch

## RAL Business Meeting and Awards Lunch



Business Meeting



The Hellenic Chapter



President Kent Peterson (L) presenting an Award to Ashok Virmani; DRC, Samir Troboulsi (R)



President Kent Peterson (L) presenting an Award; DRC, Samir Troboulsi seen on the right



# 7th CRC in Lisbon, Portugal, 2008



ARC General Chair  
Jorge A. Saraiva



RAL DRC  
Walid Chakroun



Society  
President  
Bill Harrison

The 7th RAL CRC hosted in Lisbon was RAL's first exposure to the beautiful city of Lisbon, with its unique culture, a mix of Spanish, Portuguese and Moorish. The Welcome party was held in the Hotel while the concluding dinner was in an old part of Lisbon with cobbled streets full of history.

The entertainment was Traditional Portuguese story-telling in a singing style. It carried a lot of emotion even for those who didn't understand the language.

The 8th Air Conditioning Seminar was held on the last day. It dedicated, among other topics, to the Comparative Analysis of Energy Efficiency Policies and Indoor Air Quality in Europe and the United States, with the presence of ASHRAE "Distinguished Lecturers" and National experts.

Furthermore, there was discussion of two issues of great relevance in Portugal: the implementation of the Tobacco Law, and the application of the IAQ and Energy Certification for existing buildings. The Seminar proved to be of great success as did the CRC.

Jorge and his team were wonderful hosts and did a commendable job of hosting a successful CRC.

## Social Events and More



The Hellenic  
Chapter

Dinner in the Old City of Lisbon



## RAL Business Meeting



Glimpse of the  
Business Session



Where: Sana Hotel Lisboa  
When: October 13 -14, 2008

### Chapters in Attendance: 18

- India
- South India
- Western India
- Pakistan
- NPakistan
- Qatar
- Kuwait
- Saudi Arabia
- Lebanon
- Falcon
- Cairo
- Bahrain
- Hellenic
- Sri Lanka
- Danube
- Portugal
- Spain
- Poland

## The ASHRAE Family



## 8th CRC in Kuwait, 2009



ARC General Chair  
Sorour Alotaibi



RAL DRC  
Walid Chakroun



Society  
President  
Gordon Holness

The 8th CRC had an atmosphere of its own. The Movenpick Hotel was a resort by the sea with a private beach. The Welcome party was held in a specially constructed pavilion in the style of an Arabian Tent. The dinner was held in the Rooftop of the twin towers in Kuwait City. These beautiful towers are pieces of Architecture and views from the rooftop were splendid.

On the last day, a meeting for Launching a Detailed Plan of Collaboration between ASHRAE & UNEP was organized, followed by an ASHRAE-UNEP Press Conference.

The CRC was very well organized and managed by the hosts.



Where: Movenpick Hotel and Resort, Al Bida'a  
When: October 3-5, 2009

Chapters in Attendance: 18

- India
- Kuwait
- Hellenic
- South India
- Saudi Arabia
- Sri Lanka
- Western India
- Lebanon
- Danube
- Pakistan
- Falcon
- Nigeria
- NPakistan
- Cairo
- Chennai
- Qatar
- Bahrain
- Pune

### The ASHRAE Family



### RAL Business Meeting



# 9th ARC in Cairo, Egypt, 2010



ARC General Chair  
Mahmoud Fouad



RAL DRC  
Walid Chakroun



Society  
President  
Lynn G Bellenger

The 9th CRC was held at the Movenpick in Cairo. Because Cairo and Egypt are huge tourist attractions lots of Chapter Member and their families travelled to Egypt. The Movenpick could therefore not provide accomodation for everyone and many stayed at another hotel close by.


The Welcome reception was at the historical Azhar Park. Dinner on the second day was on a floating restaurant on the Rover Nile whilst the closing dinner was arranged at a countryside resort in Saqqara, close to Cairo, allowing the members to experience the Egyptian village feel, with bread made on site and a lot of enjoyable local entertainment. Many RAL members joined the belly dancers to make it a lasting memory.

Special trips were organized to the pyramids, Egyptian museum and the city of Alexandria. Souvenirs were carefully selected and distributed to each participant of each of the social events.

This CRC was also the first RAL CRC with a two day Technical Seminar, jointly held with UNEP.

This attracted between 186 people and several renowned speakers. Three parallel technical sessions took place simultaneously.

It truly was a very successful and memorable CRC for everyone.



Where: Movenpick Cairo  
When: October 1 -3, 2010

Chapters in Attendance: 18

- India
- South India
- Western India
- Pakistan
- NPakistan
- Qatar
- Central Park
- Kuwait
- Saudi Arabia
- Lebanon
- Falcon
- Cairo
- Bahrain
- Deccan
- Hellenic
- Sri Lanka
- Danube
- Nigeria
- Chernal
- Pune
- Mumbai

## The ASHRAE Family



# 10th CRC in Abu Dhabi, 2011



ARC General Chair  
Dr. Ahmed Alaa



RAL DRC  
Ashok Virmani



Society  
President  
Ron Jamagin

The 10th CRC in Abu Dhabi was held courtesy of the Falcon Chapter who graciously agreed to host it in a short notice as the CRC in Beirut which everyone was looking forward to was cancelled due to security concerns. Nevertheless the Falcon Chapter and Dr. Alaa rose to the challenge and arranged a wonderful CRC which included a joint ASHRAE/UNEP Engineering Conference, CRC and Student Gathering.

This CRC was graced by the presence of Society President Ron Jamagin, Presidential Member 2003- 2004 Richard Rooley , VP Costas Balaras, DAL Samir Traboulsi, ARC Walid Chakroun, ASHRAE Director Technologies Claire Ramspeak, Manager RP Patricia Adelman and First DRC RAL David Arnold.

In all, 161 ASHRAE members, consisting of Society officers, Regional officers, Chapter Delegates and Alternates, and ten student delegates, attended this greatly successful CRC.

The Technical seminar, titled "Sustainability beyond Certification" was a huge success with 18 speakers spread over two days and under patronage of H.E Minister of Environment and Water.

The Social Events were equally impressive. A Dhow cruise was arranged one day and a dinner in a rotating restaurant with rooftop views of Abu Dhabi next, including a visit to the SHK. Zayed Grand Mosque.



Where: Beach Rotana Hotel  
When: September 21-22, 2011

Chapters in Attendance: 21

- India
- South India
- Western India
- Pakistan
- NPakistan
- Qatar
- Central Park
- Kuwait
- Saudi Arabia
- Lebanon
- Falcon
- Cairo
- Bahrain
- Deccan
- Hellenic
- Sri Lanka
- Danube
- Nigeria
- Chennai
- Pune
- Mumbai

## The ASHRAE Family



## RAL Business Meeting



# 11th CRC in Colombo, Sri Lanka 2012



ARC General Chair  
Chandana  
Dalugoda



RAL DRC  
Ashok Virmani



Society  
President  
Thomas Watson

The 11th CRC with 20 Chapters attending, attracted lots of ordinary chapter members and families to the Emerald Isle.

On the 28th September 2012, a Technical Session was held, with the Key Theme, "Way Forward for Sustainable HVACR Solutions".

The session had eight speakers, including Presidential Member Ron Jamagin, Professor Essam Khalil, Professor Rahul Attalage, Ashish Rakheja, Sheetal Rakheja, Prof. Leelananda Rajapaksha, Davod Arnold and Professor Tim Dwyer.

The Hotel facilities were the best in Colombo.

The dinners was memorable, it featured traditional Sri Lankan dances in an open seating, amidst traditional pavilions. Colombo has a lot of character, great shopping and sightseeing and the warm and friendly people of Sri Lanka made the CRC undoubtedly memorable.



Where: Hotel Galadari

When: September 29 - 30, 2012

Chapters in Attendance: 20

- India
- South India
- Western India
- Pakistan
- NPakistan
- Qatar
- Central Park
- Kuwait
- Saudi Arabia
- Lebanon
- Falcon
- Cairo
- Bahrain
- Deccan
- Hellenic
- Sri Lanka
- Spain
- Nigeria
- Chennai
- Pune
- Mumbai

## The ASHRAE Family



## RAL Business Meeting



# 12th CRC in Doha, Qatar 2013



ARC General Chair  
Hassan Ali Sultan



RAL DRC  
Ashok Virmani



Society  
President  
Bill Bahnfleth

The 12th CRC in Doha was immaculately planned and organized by Hasan Sultan and his team. The Social Events were outstanding, including a dinner at a huge Arabian restaurant with exquisite food, where the courses never ended.

People enjoyed and danced to the local music. The harbour cruise on the dhow was a memorable one with spectacular views of the harbour and the magnificent buildings.

Beside the Society officers, the CRC visitors included Presidential Members Ron Jamagin, Tom Phoenix and Society Treasurer, 2016-2017, Sheila Hayter.



Where: Marriott Doha  
When: September 26 -28, 2013  
Chapters in Attendance: 23

- India
- South India
- Western India
- Pakistan
- NPakistan
- Qatar
- Central Park
- Kuwait
- Saudi Arabia
- Lebanon
- Falcon
- Cairo
- Bahrain
- Deccan
- Danube
- Hellenic
- Sri Lanka
- Spain
- Nigeria
- Chennai
- Pune
- Mumbai
- Portugal

## Technical Session and RAL Business Meeting



## The ASHRAE Family



## Social Events and More!



# 13th CRC in Madrid, Spain 2014



ARC General Chair  
Enrique Yotti



RAL DRC  
Farooq Mehboob



Society  
President  
Tom Phoenix

Enrique Yotti and his team were the ideal hosts of the 13th CRC in Madrid, Spain. They were warm and caring, ready to help always, and with lots of patience. The CRC saw over one hundred delegates from all over the world attend.

The first day was dedicated for the Technical Seminar which was titled "Building Renovation and Sustainability".

Renowned speakers from ASHRAE and the HVACR Industry in Spain were present.

The Welcome Party dinner was arranged at the home ground of the Real Madrid Football Team, The Real Café Bernabeu Stadium. This was a pilgrimage for football lovers. The next days President's Luncheon was hosted at the hotel, but the closing days's dinner was a spectacular Banquet at the Palacio del Negralejo with an outstanding performance of Flamenco dancing.

RAL had a huge attendance with all 24 of its chapter members present. Many arrived earlier or stayed later to enjoy Spain. It was an unforgettable CRC for all.



Where: Hotel Melia Avenida America

When: September 19-21, 2014

Chapters in Attendance: 24

- India
- South India
- Western India
- Pakistan
- NPakistan
- Qatar
- Central Park
- Turkey
- Kuwait
- Saudi Arabia
- Lebanon
- Falcon
- Cairo
- Bahrain
- Deccan
- Danube
- Hellenic
- Sri Lanka
- Spain
- Nigeria
- Chennai
- Pune
- Mumbai
- Portugal

## Technical Session and RAL Business Meeting



## Social Events and More!



# 14th CRC in Istanbul, Turkey 2015



ARC General Chair  
Dr. Mehmet Baris



RAL DRC  
Farooq Mehboob



Society  
President  
David  
Underwood

The 14th CRC was awarded to the Turkish Chapter with some trepidation as the Chapter was a little over a year old. RAL's faith in the Turkish Chapter was fully vindicated. Dr. Baris and his team put up a CRC, the likes of which will be hard to replicate. The arrangements were outstanding. Turkish Hospitality is legendary and RAL saw it at first hand.

The CRC had over 400 members attend from all 25 Chapters and 7 Sections, and had the honour to host ASHRAE President David Underwood and ASHRAE Vice Presidents Jim Vallort, Prof. Dr. Walid Chakroun and Prof. Dr. Bjarne Olesen. Presidential Members Prof. Dr. Bill Bahnfleth, Ronald Jamagin and Ronald Vallort gave their support to the event by contributing as speakers to the Technical Seminar which turned out to be a great success.

The Welcome Party was a Cruise on the Bosphorous that was truly memorable. Istanbul is one of the most beautiful cities in the world and a Bosphorous cruise was the right way to enjoy it.

Finally, to top off the events was a grand affair in the well known Feriye restaurant. An elaborate dinner was followed by lots of music and dancing, enticing President Underwood himself to join the floor.

## Social Events and More!



Where: Hotel Steigenberger Maslak  
When: September 19-21, 2015

Chapters in Attendance: 25

- India
- Kuwait
- Hellenic
- South India
- Saudi Arabia
- Sri Lanka
- Western India
- Lebanon
- Spain
- Pakistan
- Falcon
- Nigeria
- NPakistan
- Cairo
- Chennai
- Qatar
- Bahrain
- Pune
- Central Park
- Deccan
- Mumbai
- Bangladesh
- Danube
- Portugal

## The ASHRAE Family



## Technical Session and RAL Business Meeting





# 15th Joint CRC in Bangkok, Thailand 2016



ARC General Chair  
Pankaj Dharkar



ARC General Chair  
R13  
Apichit  
Lumlerpongpana



RAL DRC  
Farooq Mehboob



Society President  
Tim Wentz



Where: Centara Grand Ladprao  
When: September 30 – October 1, 2016

Chapters in Attendance: 25

- India
- South India
- Western India
- Pakistan
- NPakistan
- Qatar
- Central Park
- Bangladesh
- Kuwait
- Saudi Arabia
- Lebanon
- Falcon
- Cairo
- Bahrain
- Deccan
- Danube
- Hellenic
- Sri Lanka
- Spain
- Nigeria
- Chennai
- Pune
- Mumbai
- Portugal

The 15th RAL CRC will not only be the first Joint CRC of Region At Large with Region 13, but will be the first Joint CRC in ASHRAE. Also set to take place during the Joint CRC and unprecedented in ASHRAE will be the first ever Board of Directors Meeting outside the United States. This was decided keeping in line with ASHRAE's move towards globalization. It was felt that a Board meeting at this CRC, which will bring together the only two regions not in the United States at one place, would be ideal for the Society Executives to interact and understand the ASHRAE members outside the United States and Canada.

All 25 Chapters are expected to attend the CRC. A one day Technical Seminar shall kick off the Conference on the 30th September 2016.

Eight speakers will cover topics under the theme "Innovation for a Sustainable Future".

Notable among them are ASHRAE speakers, President, Tim Wentz; President Elect, Bjarne Oleson; Society Treasurer, Sheila Hayter; Jim Vallort, Charles Gullledge and Thomas Lawrence.

The Business Sessions are expected to have almost 150 members participate.

It will be the first CRC where 15 Assistant Regional Vice Chairs, a new officer position, shall attend. Training and workshops shall be held jointly with Region 13 on the second day.

The Social Functions will be held in collaboration with Region 13 and are scheduled at the Hotel Ballroom, with lots of food and entertainment.

Sightseeing Tours are being arranged including an evening at the Siam Niramit Show, a performance showcasing Thai Culture and performed on the highest stage in the world!

# 16th CRC in Sharm El Sheikh, Egypt 2017



CRC General Chair  
Maged Fouad  
Hashem



RAL DRC  
Farooq Mehboub



Society  
President  
Sheila J. Hayter

The Host for RAL CRC 2017 was the ASHRAE Cairo Chapter, chaired by Mr. Maged Fouad, and organized in the beautiful coastal city of Sharm El Sheikh. The CRC was inaugurated with a two-day Technical Conference, from the 21st to the 22nd September, that has been held in collaboration with UNEP and UNIDO and was titled "District Energy for Urban Development".

20 internationally renowned members of the industry have been invited as speakers, panelists and moderators. The Business Meetings, Caucus and Planning Meetings, and the training and workshops for the various committees were held from the 21st to the 24th of September.

There were plenty of activities for companions and registrants alike.

The agenda of the event included:

- Forum for the dissemination of information with members of different chapters, sponsors and professionals
- International Technical Program, presentation of awards and distinguished commemorations
- Encouragement of the networking during the whole event
- Executive session and RAL Committee meetings



Where: Maritime Jolie Ville Sharm El Sheikh, Egypt  
When: September 21 – 24, 2017

Chapters in Attendance: 21

- |                 |                |              |
|-----------------|----------------|--------------|
| • India         | • Kuwait       | • C-pakistan |
| • Lebanon       | • Saudi Arabia | • Chennai    |
| • Western India | • SriLanka     | • Bangalore  |
| • Pakistan      | • Falcon       | • Nigeria    |
| • NPakistan     | • Cairo        | • C-pakistan |
| • Deccan        | • Chennai      | • Turkey     |
| • Mumbai        | • Qatar        | • Bahrain    |
| • Bangladesh    | • Pune         |              |

This CRC was considered one of the best RAL CRCs for its well-planned activities and meetings and the great hospitality prepared by its organizers and volunteers and chaired by a professional leader and CRC chair.

The CRC welcomed its dear guests, ASHRAE Society President Mrs. Sheila Hayter, DRC Mr. Farooq Mehboub, also Dr. Ahmed Alaa, Mr. Michael Schwedler, Mr. David Underwood and other society members and their spouses whom have attended the activities of the CRC.

The technical conference was under the auspices of Minister of Electricity and Renewable Energy H.E Eng. Mohamed Shaker, and Minister of Housing and Urban Utilities, H.E Mr. Mostafa Madbouly.

More than 300 persons including the officers and members families were present during the CRC activities. Representatives of 21 Chapters attended the meetings and workshops.

## CRC Registration desk





### Social Events and More!



# 17th CRC in Antalya, Turkey 2018



RAL CRC General  
Chair  
M. Zahid Poyraz



RAL DRC  
Dr. Ahmed Alaa  
Eldin



Society  
President  
Sheila J. Hayter

The 17th CRC had over 400 members attend from all 25 Chapters and 7 Sections, and had the honor to host ASHRAE President Sheila J. Hayter.

Timothy G. Wentz, Thomas H. Phoenix, T. David Underwood, Malcolm "Dennis" Knight, Ibrahim Dincer and Om Taneja gave their support to the event by contributing as speakers to the Technical Seminar which turned out to be a great success.

The technical program for the CRC was titled "Building our new energy future" this year.

This is in line with the Society theme for the year which is President Sheila J. Hayter theme.

The CRC marathon started with football and volleyball matches, which faced the SR1 and SR2 teams at Beachside Park on October 4th 5:00 pm to 7:30 pm in order to warm up and fuse the teams.

On the first day of CRC, on October 5th, SR1 was held with 44 participants, SR2 with 58 participants and RAL

Planning meeting was held with 80 participants. On the second day, Oct. 6th, 2018, of the CRC, the Caucus

meeting was held with 44 participants. On the last day of the CRC, on October 7, business and review meetings were held, respectively, with 103 and 20 participants. There were eight workshops held by Regional Vice Chairs on Historical Activities, Membership Promotion, Student Activity, Chapter Technology Transfer, Government Affairs, Refrigeration, Research Promotion and Young Engineers in ASHRAE. Awards ceremony, technical sessions, welcome party and city tour were other activities.



Where: Spice Hotel & Spa, Antalya  
When: October 04 – 08, 2018

Chapters in Attendance: 25

- India
- South India
- Western India
- Pakistan
- NPakistan
- Qatar
- Central Park
- Bangladesh
- Kuwait
- Saudi Arabia
- Lebanon
- Falcon
- Cairo
- Bahrain
- Deccan
- Danube
- Hellenic
- Sri Lanka
- Spain
- Nigeria
- Chennai
- Pune
- Mumbai
- Portugal



Oct. 8th, 2018 - Group Photo with CRC organizers, RAL DRC Ahmed Alaa, RAL ARC Farouq Mehboob and Student Branch Members enrolled in the CRC Organization



Panel & Discussion Session with CRC organizers, RAL and Society representatives and ISIB President Mehmet Sanal, spokesman CRC General Chair Mehmet Zahid Poyraz, Oct. 8th, 2018

Right- ASHRAE Society President Sheila Hayter and Turkish Chapter President Elect Prof. Atilla Biyikoglu



# 18th CRC in Amman, Jordan 2019



CRC General Chair  
Azmi Saffarini



RAL DRC  
Ahmed Alaa Eldin



Society President:  
Darryl Boyce



Where: Grand Hyatt Amman  
When: September 27–29, 2019

Chapters in Attendance: 25

- India
- Kuwait
- Faisalabad
- Jordan
- Saudi Arabia
- Sri Lanka
- Western India
- Lebanon
- Pyramids
- Pakistan
- Falcon
- South Africa
- NPakistan
- Cairo
- Chennai
- CPakistan
- Qatar
- Pune
- Deccan
- Bahrain
- Bangalore
- Mumbai
- Turkey
- Nigeria
- Bangladesh

The 19th RAL CRC was held in Amman, Jordan 4 months after the inauguration of the Jordan Chapter in May 2020. The meeting continued over a period of 3 days, from 27 to 29 September, and included many events and activities.

The first day included three technical sessions under the theme of “HVACR and Buildings Codes”:

- 1- Emerging Needs to update HVACR and Buildings Codes
- 2- Advancing HVACR Codes; Examples, Challenges and Opportunities
- 3- Advancing the Building Codes: Examples, Challenges and Opportunities

For the first time in the RAL history, Amman CRC hosted the first Students competition, and there were three winners.

The CRC was honored by attending ASHRAE Society Treasurer Michael Schwedler, and his wife Jennifer Schwedler. Also, Joyce Abrams, Director of Member Services, attended the activities of the CRC. In addition to the Society Vice-President Farooq Mehboob.

More than 190 persons including the officers and members families were present during the CRC activities.

Representatives of 25 Chapters attended the meetings and workshops.



All in one!



CRC Registration desk



A technical session about HVACR and Buildings Codes



Business meeting – day 1



Social event day 1



A group photo at the hotel lobby



A glimpse from the students competition



A glimpse from the Regional Planning Meeting



Business meeting – day 2



Business meeting – day 1

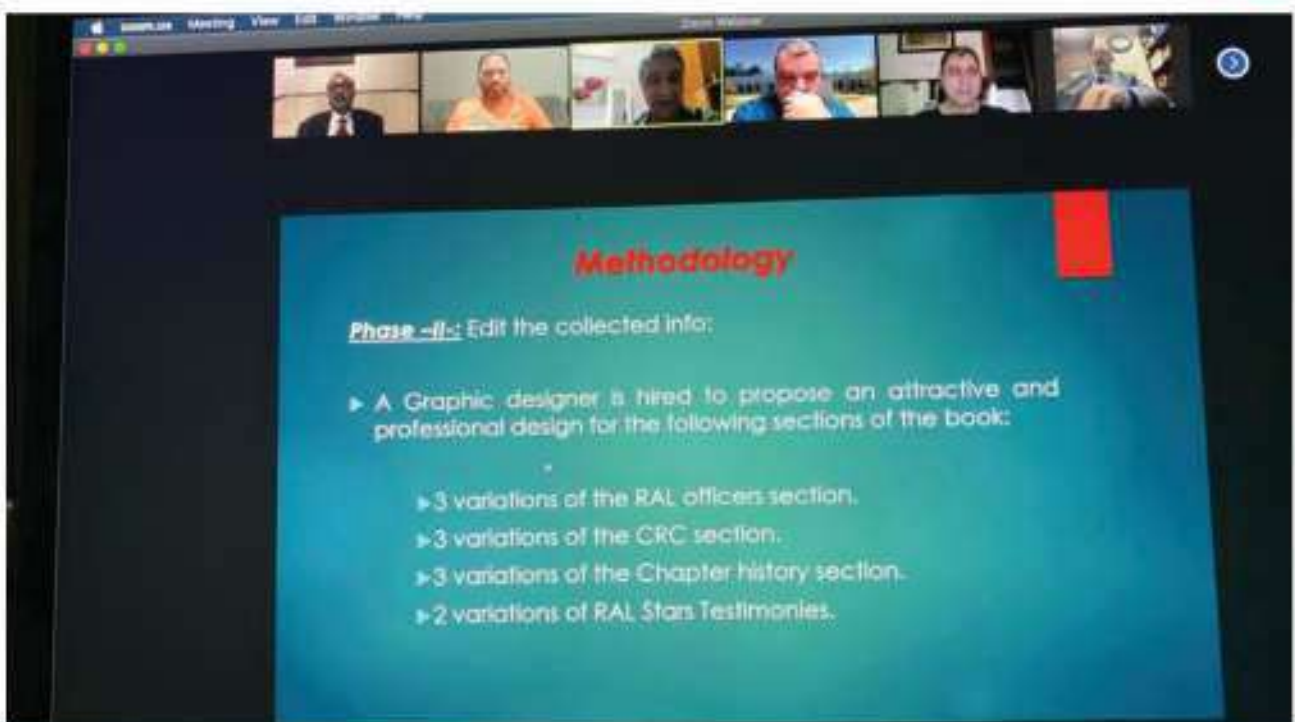


From left: Michael Schwedler, Joyce Abrams, and Jennifer Schwedler



Social event – day 2

# 19th Virtual RAL CRC 2020



**Methodology**

Phase -II-: Edit the collected info:

- ▶ A Graphic designer is hired to propose an attractive and professional design for the following sections of the book:
  - ▶ 3 variations of the RAL officers section.
  - ▶ 3 variations of the CRC section.
  - ▶ 3 variations of the Chapter history section.
  - ▶ 2 variations of RAL Stars Testimonies.

# ASHRAE Launches Global Training Center in Dubai

Despite ASHRAE's significant impact in many countries around the world and its increasing membership globally, more can be done still. In line with ASHRAE's 2014 approved strategic plan, 2017-2018 President Bjame Olesen's presidential theme "Extending Our Community" and in response to ASHRAE's growing membership, with around 70% of its international members based in the Middle East, Africa and parts of Asia, the ASHRAE Global Training Center (GTC) was launched in July 2017.

The Dubai-based office has a goal to serve ASHRAE members and other building system professionals in ASHRAE's Region-at-Large. Operations began with offering professional training, customized for the climate, design and construction practices, standards, and culture in the region, conveniently available on a regular basis. The inaugural instructor team was Walid Chakroun, Samir Traboulsi, Hesham Safwat and Hassan Younes. Ayah Said was hired from the Middle East to coordinate training and manage outreach to chapters, government agencies, associations and companies in the Middle East, Africa, and West Asia.<sup>1</sup>

Since its conception, ASHRAE GTC has trained almost 2,000 engineers region wide and the number has been steadily growing each year.

With the Region-at-Large currently consisting of 30 chapters, and more expected to be inaugurated, the presence of ASHRAE GTC will continue to further establish support to all members in the region.



Walid Chakroun, Ahmed Alaa Eklid, Ayah Said, Hassan Younes, Hesham Safwat, and Samir Traboulsi during their visit to the new office in 2017. From ASHRAE's History Book, Proclaiming the Truth



2017-2018 President Bjame Olesen and President Elect Sheila Hayter with Society leaders, ASHRAE staff and Falcon Chapter BOG officers during ASHRAE GTC launch event on September 19th, 2017.

<sup>1</sup> Referenced from Proclaiming the Truth: An Illustrated History of ASHRAE, 2nd edition, published for ASHRAE's 125th Anniversary



# Future Vision of RAL



Twenty years of RAL and still counting! The Region At Large has demonstrated that sky is our limit. During the past 20 years RAL has never stopped growing at the level of membership “our members are our assets” and also at Chapters’ Level. The Region is still growing on daily basis, new Chapters are formed and more are going to join our growing family in the future. We don’t ask ourselves “WHY”, we ask ourselves “HOW”.

The globalization of the Society is a factor, our mission to spread the new technologies in the field of HVAC is another factor, and our passion to embrace and to gather new friends is driving us. The goal is very clear: the Society and our Mission “To serve humanity by advancing the arts and sciences of heating, ventilation, air conditioning, refrigeration and their allied fields” is driving us; Society and our Vision “A healthy and sustainable built environment for all” is inspiring us.

Despite the diversity of RAL members “Demographic, Languages, Ethnicity, Believes..”, we managed to provide a model on how to coexist and how to cooperate in a productive way. This model has inspired and triggered other ASHRAE Regions to follow the steps of RAL. The Key to success is the ability of RAL to adapt and to evolve while preserving the Core Values of ASHRAE.

The Region AT Large is blessed by having two main success factors: Exceptional and Devoted Members and Enlightened and Affectionate Leaders who guided the Region to become what it is now.

The best is yet to come.

Director & Regional Chair

DR AHMED ALAA ELDIN MOHAMED

A handwritten signature in black ink, appearing to read "Ahmed Alaa Eldin Mohamed".

