

ISHRAE Honours & Awards

ISHRAE is a society of volunteers, and owes its strength to the dedication and commitment of its members. ACREX is the ideal platform for recognising the contribution of members who work tirelessly to take it to greater heights and bring it glory year after year. We bring you the winners of honours and awards for Society Year 2019-20.

H. M. Jhangiani Journal Paper Awards were presented for the two best articles published in the *Journal* and its *Cold Chain* supplement during 2018. These awards, presented during the ACREX Curtain Raiser on February 26, were bagged by Sanjib Seal for his article 'Energy Efficiency Trends in Data Centers' in the January 2018 issue of the *Journal*, and Madhavi Ramachandran for her article 'How Blockchain and IoT Applications are Transforming the Cold Chain' in the June 2018 issue of *Cold Chain*.



Sanjib Seal receives the Journal Paper Award



Madhavi Ramachandran receives the Journal Paper Award

Employer Recognition Awards, which were also conferred during the Curtain Raiser, were bagged by Voltas Ltd., Mumbai and KNND Associates, Bangalore.



Voltas receives Employer Recognition Award



KNND Associates receives Employer Recognition Award

The Student Activities Award was conferred upon Hardik Shukla for the second consecutive year. It was



Hardik Shukla bags the Student Activities Award

presented during the Hall of Fame event on February 28.

Extraordinary Service Awards (ESA) were given to Sunil Kher and T. Hari Rao during the ACREX Awards Night powered by Daikin on February 27.



Sunil Kher accepts ESA



T. Hari Rao is conferred ESA

Distinguished Service Awards (DSA) were given to Yogesh Thakkar, Ashok Patel, Kapil Purandare and N. Sivasankaran (in absentia).



Yogesh Thakkar accepts DSA



Ashok Patel poses with DSA plaque



Kapil Purandare is conferred DSA

The recipients of Regional Service Award (RSA) were:

- Kamlesh Mehta
- Anoop Ballaney
- Akbar Bharmal
- R. Gopalakrishnan
- E. Mohanraj
- Dr. P. Muthukumar

The following were conferred Chapter Service Awards (CSA):

- K. L. Maheshwari
- Pradeep Kumar Dua
- Ajay A. Rehman Kazi
- Mihir N. Sanghavi
- Sangita Jhangiani
- M. K. Sreekesh
- Anil Kumar Sahoo
- Pratik Khandelwal
- A. Goswami
- Debajyoti Dey

HQ Activities

ISHRAE Signs Co-operation Agreement with AREA

The European refrigeration and air conditioning contractors' group AREA has signed an MoU with ISHRAE. The document, signed by AREA President Marco Buoni and ISHRAE National President Vikram Murthy at the AHR Expo/ASHRAE



ISHRAE President-elect Richie Mittal, Marco Buoni, Vikram Murthy and ISHRAE Treasurer Nivedita Jadhav at the MoU signing ceremony

meeting in Orlando, Florida is a big step towards collaboration in this sector.

The MoU covers mutual cooperation in sharing information, competence and business due to the growth of the RAC sector globally and in particular in EU and India.

EESL Celebrates 10th anniversary

On February 24, Energy Efficiency Services Limited (EESL) celebrated a decade of its existence at The Ashok, Delhi. ISHRAE utilised this opportunity for advocacy through its representatives Richie Mittal (President-elect) and Ashwini Mehra (Executive Secretary).

The meeting was chaired by R. K. Singh, Minister of State for Power and New & Renewable Energy. The other speakers were S. N. Sahai, Secretary, Ministry of Power; Rajeev Sharma, Chairman, EESL; and Saurabh Kumar, Managing Director, EESL.

EESL is in the process of upgrading 10,000 government buildings to become more energy efficient, and all the EESL programs are expected to result in the reduction of GHG emissions by 4.3 crore tons CO₂eq. EESL is emphasising trigeneration in its projects and the bulk procurement and sale of super-efficient ACs. Other programs highlighted in the presentations included smart meters, e-mobility and promotion of decentralized solar power generation through PVs.

The Minister stressed that going forward, the government would like to withdraw subsidies and move towards achieving energy efficiency through viable business models.

Chapter Awards for Excellence

The entire ISHRAE fraternity awaits the announcement of Chapter Awards for Excellence (CAFÉ) with bated breath. These awards recognise the efforts made by Chapters and Sub-chapters throughout the year to continuously raise the bar in the functioning of ISHRAE. CAFÉ for 2019-20 were presented during the National Board of Governors (NBoG) meeting at Le Meridien, New Delhi on February 26.

Mumbai Chapter won the overall Best Chapter Award for Category 1 (over 750 members). Pune and Thane shared the Best Chapter Award for Category 2 (250 to 750 members), while Vadodara was the winner in Category 3 (less than 250 members). Aurangabad and Guwahati were the Best and Runner-up Sub-chapter respectively.



Pune and Thane share the Best Chapter award in Category 2



The jubilant Mumbai Chapter team receives the Best Chapter plaque in Category 1



Vadodara is the Best Chapter in Category 3



Aurangabad wins the Best Sub-chapter award



Guwahati is the Runner-up Sub-chapter

Special awards were given to Deccan (for organization), Coimbatore (for financial compliance), Delhi (for education) and Chandigarh (for multiple activities).



Deccan is recognised for organization



Coimbatore gets the award for financial compliance



Delhi is recognised for education



Chandigarh is awarded for multiple activities

The winners in various categories were:

Membership Promotion

- Best Chapter – Category 1 : Mumbai
- Best Chapter – Category 2 : Pune
- Best Chapters – Category 3 : Vapi and Vadodara
- Best Sub-chapter : Aurangabad
- Runner-up Sub-chapter : Guwahati

Programs

- Best Chapter – Category 1 : Chennai
- Best Chapter – Category 2 : Thane
- Best Chapter – Category 3 : Kalapakkam
- Best Sub-chapter : Guwahati
- Runner-up Sub-chapters : Hosur and Aurangabad

Students Activities

- Best Chapter – Category 1 : Ahmedabad
- Best Chapter – Category 2 : Pune
- Best Chapter – Category 3 : Vadodara
- Best Sub-chapter : Aurangabad
- Runner-up Sub-chapter : Bhubaneswar

K12 Activities

- Best Chapter – Category 1 : Mumbai
- Best Chapter – Category 2 : Thane
- Best Chapter – Category 3 : Mysore
- Best Sub-chapter : Guwahati
- Runner-up Sub-chapter : Raipur

ISHRAE Members Win Global Laurels

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

- Gian Chand Modgil, CEO, Sterling India Consulting Engineers, New Delhi
- S.K. Murthy, Life Member ASHRAE, founder and chairman, Eskayem Consultants Pvt. Ltd., Mumbai
- Shailesh Phatak, P.E., Director, Albus Engineering Consultants Pvt. Ltd., Pune
- Uma Shanker, Chairman, Advance Valves Group, Noida

Ramesh Paranjpey – Past President of ISHRAE Pune Chapter, Past President of ASHRAE Western India Chapter and Fellow ASHRAE – has been recognized with the Distinguished Fifty-Year Member Award by ASHRAE.

Associate Societies

CCSI to Organise International Seminar

Contamination Control Society of India CCSI is organising an international seminar on Cleanrooms at Hotel Kenilworth Resort & Spa, Goa on April 6. Participation is free. There will be three foreign speakers and two Indian speakers. For more details, email: jjyotccsi@gmail.com

National Programs

Ahmedabad Takes Confluence to Next Level

Pandit Deendayal Upadhyay Auditorium in Ahmedabad saw a record audience of about 1,400 on January 17 and 18, during the national programme Confluence jointly organised by ISHRAE Ahmedabad Chapter and ASHRAE Western India Chapter. It was the 13th edition of Confluence, with the theme 'Know what we Breathe'. The event, to create an awareness about indoor air quality, was supported by International Air Quality Association (IAQA) India, Fire & Security Association of India (FSAI), Associated Chambers of Commerce of India (ASSOCHAM), Green Assocham (GEM), Indoor Environmental Quality – Global Association (IEQ-GA), Tree Walk, Indian Plumbing Association (IPA), Indian Green Building Council (IGBC), The Indian Institute of Architects (IIA), Indian Institute of Interior Designers (IIID), Society for Indoor Environment (SIE), and Infrastructure|Development|Architecture|Construction (iDAC).

The event was powered by Daikin. Bry-Air – Desiccant Rotors International and Voltas were the Platinum partners, while ALP-Aeroflex was the Diamond partner. A large number of other organisations also partnered the event. Pankaj Dharkar (presidential member – ISHRAE) was the Chairman, while Mitul Shah was the Convenor. Darshan Dave and Akash Patel were the anchors.



Shailendra Vyas, Mitul Shah, Pankaj Dharkar, Yogesh Thakkar, Vikram Murthy, Vijay Panchal and Richie Mittal cut the ribbon to inaugurate Confluence



Dr. Ahmed Alaa Eldin, Shwetal Shah, Kanwal Jeet Jawa, Deepak Pahwa, Vikram Murthy and Pankaj Dharkar light the lamp of knowledge



Pankaj Dharkar



Vikram Murthy



Shwetal Shah



Dr. Ahmed Alaa Eldin

Shwetal Shah from the Climate Change Department, Gujarat outlined the state's strategy to combat climate change. Dr. Ahmed Alaa Eldin – Director & Regional Chair, Region-at-Large, ASHRAE – in his keynote address, congratulated the organisers for planning the event, and spoke about issues impacting air quality.



On the dais: Mitul Shah, Shailendra Vyas, Deepak Pahwa, Dr. Ahmed Alaa Eldin, Vikram Murthy, Shwetal Shah, Pankaj Dharkar, Kanwal Jeet Jawa, Kamallesh Mehta and Vijay Panchal

Kanwal Jeet Jawa, MD & CEO – Daikin India and Member of the Board, Dakin Industries, Japan – delivered another keynote address exhorting the HVAC industry to collectively make efforts to improve IAQ by finding long term sustainable solutions. He expressed happiness at Daikin being one of the finalists of the Global Cooling Prize.



Kanwal Jeet Jawa



Deepak Pahwa

Deepak Pahwa – Chairman, Pahwa Group – made a presentation on 'IAQ – the Indian Journey', emphasising that the journey started in India much before it is commonly remembered.

Session 1 of the day was chaired by ISHRAE presidential member C. Subramaniam. The speakers were Dr. William P. Bahnfleth – ASHRAE presidential member, Chris Muller – Executive Director, Purafil, U. S. A., Ar. Raefer Willis – founder of Green Ideas Green Action (GIGA) and RESET, and Dr. Marc Schmidt – VP Technology, Europe for AAF International.



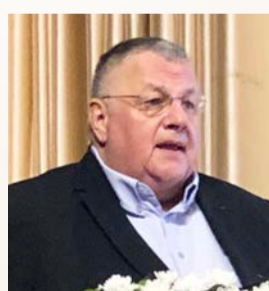
Dr. William P. Bahnfleth



Chris Muller



Ar. Raefer Willis



Dr. Marc Schmidt

Lokendra Balasaria – founder, Tree Walks – made a presentation on 'Role of Natural Vegetation in Indoor Quality Improvement'. He shared his experience of shifting into a fully air conditioned office in 2010. After the occupants suffered from headaches, fatigue, sneezing and upset stomachs for six years, they realised that something was not right. A study lasting two years found that CO₂ levels were reaching 1,600 ppm by 3 PM. The issue was resolved by opening windows and doors four times a day for one hour each, and keeping indoor plants to reduce high CO₂ and suspended particulate matter levels.

An interesting panel discussion on 'Combating Indoor Air Quality Issues by Architecture – Architectural Aspects

of IAQ' was moderated by ISHRAE President-elect Richie Mittal. The panellists were Ar. Raefer Wallis, Ar. Jitendra Mehta, Ar. Vivek Bhole, Ar. Khozem Chitalwala, Ar. Hiren Patel and Ar. Lokendra Balasaria.



Lokendra Balasaria



Richie Mittal, moderator, with panellists Ar. Raefer Wallis, Ar. Jitendra Mehta, Ar. Vivek Bhole, Ar. Khozem Chitalwala, Ar. Hiren Patel and Ar. Lokendra Balasaria

The last presentation of the day was made by Dharmendra Rathod – CEO, IoTomation on 'Report of Final Measurement of IAQ'.

The evening at Novotel was dedicated to felicitation of Dr. Ahmed Alaa Eldin, Dr. William P. Bahnfleth, Deepak Pahwa and Kanwal Jeet Jawa.



Pankaj Dharkar, Shailendra Vyas (President, Ahmedabad Chapter) and Vikram Murthy felicitate Dr. Ahmed Alaa Eldin, Dr. William P. Bahnfleth, Deepak Pahwa and Kanwal Jeet Jawa

The session chair on January 18 was M. P. Agarwal. The speakers were Vikram Murthy, Dr. William P. Bahnfleth, Jay Motghare, Dr. Lallu Joseph (Christian Medical College, Vellore), Dr. Dipankar Saha, Dr. Pratima Singh, Barun Aggarwal (founding member – IAQA, U. S. A.), Raefer Wallis, Dr. Radha Goyal (life member, Indian Aerosol Science and Technology Association), Chris Muller, Dr. Marc Schmidt, and Vishal Kapur (presidential member, ISHRAE and VP, IEQ-GA). Kshama Jain made a presentation on Women in ISHRAE. Rohan Chopra gave details of the forthcoming ACRES 2020.

There were two panel discussions. The first one discussed 'IAQ in Healthcare', moderated by Vishal Kapur with Dr. William P. Bahnfleth, Chris Muller, Dr. Pratima Singh, Gautham Baliga, Prashant Desai and N. Shridhar as panellists. The second discussed 'Importance of Measuring IAQ', moderated by Pankaj Dharkar with Vikram Murthy, Dr. Marc Schmidt, K. P. S. Ramesh, Dr. Dipankar Saha and Barun Aggarwal as the panellists.

The sessions on both days were interspersed with product presentations by event partners.

In all, it was a very well planned and executed event, with prominent domain experts from all over the world sharing their knowledge.

Mumbai Organises ACRESERVE

On the occasion of Harit-Prem Bharat Mahotsav observed by Prem Jain Memorial Trust in memory of late Dr. Prem C. Jain, ISHRAE Mumbai Chapter organised ACRESERVE on January 30. The venue was S. P. Jain Auditorium. It was a national programme, supported by Refrigeration and Air-Conditioning Trades Association (RATA) and ASHRAE Mumbai Chapter. International Copper Association India, RR Shramik, Global Copper and Aerolam were the national partners. Infinity HVAC Tools was the local partner.

The objective of the program was to enhance the competencies of HVAC&R service professionals. It evoked an overwhelming response, with over 200 delegates registering to take advantage of this opportunity for knowledge sharing with industry stalwarts.



Lighting the lamp: Mukesh Suthar, Mihir Sanghavi, Sumant Mathure, Rakesh Kumar and Prof. Kunal Bhavsar

The traditional lamp of knowledge was lit by ISHRAE Mumbai Chapter President Mihir Sanghavi, Vinod Chandan (not in the picture), Sumant Mathure, Prof. Kunal Bhavsar, Sandesh Ambokar (not in the picture), Mukesh Suthar (Program Convenor) and Rakesh Kumar.

In his welcome address, Mihir Sanghavi quoted Jack Welch – the youngest and longest serving CEO of GE, who expired recently on March 2 at the age of 84 – as saying that he closed down the company’s air conditioner product line because, in this business, a company’s brand image is determined by the field technician. Given the importance of the field technician, Sanghavi underlined the need for continuous updation of his skills. He briefed the audience on the activities of ISHRAE and its Mumbai Chapter, highlighting that ACRESERVE was the Chapter’s 108th programme during Society year 2019-20. He recognised the efforts of Mukesh Suthar and Prof. Kunal Bhavsar in curating the programme, and thanked the partners.



Mihir Sanghavi welcomes the delegates



A view of the packed auditorium

The first technical session was taken by the renowned brazing expert Sumant Mathure of Mathure Metal Works, who talked about ‘Brazing in Today’s Air Conditioners’. He was followed by Sandesh Ambokar of Voltas, who spoke about ‘Best Installation and Commissioning Practices’.



Sumant Mathure



Sandesh Ambokar

The post lunch session began with a presentation by Mahesh Gupta of LG Electronics on ‘VRF Installation and Commissioning’. G. Thaliravan of Voltas took the last technical session of the day, on ‘Commercial Chiller Maintenance and Troubleshooting’.



Mahesh Gupta



G. Thaliravan

All delegates were given certificates of participation.

Urjavarán Held at Raipur

Raipur Sub-chapter hosted Urjavarán on January 11 in association with Indian Medical Association (IMA), Raipur. The theme was ‘Energy Sustainability Roadmap for Healthcare and Hospitality’. Sunil Soni, Member of Parliament, was the Chief Guest.

Ashish Rakheja (ISHRAE Presidential Member), K. D. Singh (MD, Aircon Engineers) and Vikash Kumar (IMA) were the speakers. Later, Ashish Rakheja moderated a panel discussion on ‘VRF vs. Chillers’.

About 150 delegates attended the event.

Guidelines for Reports in eNews

- The deadline for receiving reports is the last day of the relevant period. For example, for publication in the March - April issue, the deadline is April 30.
- Please send or copy reports of events to news@ishraehq.in
- Please send a Word file containing a brief report of the event: **what, when, where, who** and any other relevant information. **Pdf and ppt files must be avoided.**
- Relevant photos in jpg format should accompany the report. Each photo should have a **caption describing the occasion and giving the full names of persons** in the photo from left to right. Only first names or only last names are not enough. (In case of large group photos, e.g. a batch of 20 participants in a training program, all names are neither feasible nor necessary. Key names would suffice in such cases.)
- In addition to the jpg files, photos may also be copy-pasted on the Word file at relevant places, with captions below each photo.
- **News related to student and K12 activities may be sent to youth@ishraehq.in and v.thakur@ishraehq.in respectively, for publication in Student Connect and K12 Activity Newsletter.**

ISHRAE Reaches Out to Students and Children

So as to take ISHRAE’s engagement with students and children to the next level, HQ has started newsletters devoted exclusively to activities related to these target groups. Student Connect is a newsletter meant for members of Student Chapters, and K12 Activity Newsletter is targeted at children from Kindergarten to Std. 12.

Chapters and Sub-chapters may, in future, send news related to student and K12 activities to the following email addresses:

Student activities: youth@ishraehq.in

K12 activities: v.thakur@ishraehq.in

