

ASHRAE PUNE CHAPTER ACTIVITIES YEAR 2009-10

Chapter Number 186

Chapter Charter Date 25th Oct 2009

1. Refrigerant phase out program as per Kyoto & Montreal Protocol

Date 26th Nov. 2009

Venue Institute Engineers Hall

Presented by Dr. A. R. Padalkar

Duration 3 Hours

Dr. Padalkar has completed his Ph. D. on 'Alternative Refrigerants' from National Chemical Laboratory, Pune. He has published many research papers in the international journals of repute and working as referee for International Jr of Applied Thermal Engineering. He is actively involved in the development of new technologies with natural refrigerants.

Dr. Padalkar delivered lecture on "Refrigerant Phase Program for India and effects of Kyoto and Montreal Protocols on India Industry.

The Key Points covered Background, Accelerated schedule of HCFC phase out, HCFCs and applications, Roadmap decided by MoEF, Policy and regulatory Measures, Implementing Agencies, Alternative Technologies, KYOTO Protocol details and India.

The program was attended by 40 members from ASHRAE and ISHRAE members.

2. Workshop on Psychometrics & Cooling Load Calculations

Date 12th and 13th Dec. 2009

Venue Hotel Raviraj

Presented by Mr. R. P. Paranjpey Fellow ASHRAE Life Member

Duration 2 Days

Ramesh Paranjpey is ASHRAE Fellow Life Member. He has completed M. Tech. in Refrigeration from IIT Mumbai. He has written more than 40 technical papers in reputed journals and conducted corporate training programs for Thermax, Emerson, TELCO, ASHRAE, ISHRAE & so on. He is working as Consultant and Technologist for many national and international firms. He is Ex-President of ISHRAE Pune and ASHRAE Western India chapter.

The workshop was attended by 25 people from various industries such as Hospitality, Contractors, manufacturer etc. The Key Points covered in workshop are Psychometrics, Human comfort, Factors influencing building load, Points to be considered and discussed with architect before the project is launched to take care of A/C requirements, Load calculations based on Carrier E20 program, Various A/C systems.

3. Full Day Seminar on "High Performance Green Buildings"

Date 6th Jan 2010

Venue Hotel Le Meridian

Duration Full Day

The air conditioning industry is largest consumer of energy. The better design of buildings and air-conditioning plants with effective use of equipments etc. contributes towards the energy conservation.

The green building concept has now settled down in India. Energy Conservation Building Code (ECBC) has been published by Government of India and may become mandatory soon. ASHRAE has also introduced standard 189.1 for high performance green buildings. With this in mind, a full day seminar on 'High Performance Green Buildings' aims to educate the participants various aspects of energy conservation, green building concepts, ASHRAE standard 189.1, ECBC code, Natural Cooling Systems, Better practices for Energy Conservations in Hotel Industry etc. was organized. The seminar was a full day event, where participants interacted with professionals and leaders of HVAC&R society.

The program was attended by 179 delegates from architects, builders, promoters, Data Center owners, Automobile manufacturers, system integrators, MEP & RAC consultants, contractors. The eminent speakers from Industry delivered their speech. These includes

The program was supported by Academics With Excellence Spectrum Of Maintenance Engineers (AWESOME),

Indian Plumbing Association (IPA), Indian Society of Heating Refrigeration and Air Conditioning Engineers, Pune Chapter (ISHRAE) and Architects, Engineers and Surveyors' Association, Pune

Natural Refrigerants for Green Buildings	Dr. Sukumar Devotta
Latest Technologies in Insulation	Mr. Jagdeepsingh
Do's & Don't For Energy Efficient Hotels	Mr. K. D. Deodhar
Insulation Material Selection for High Performance Buildings	Mr. Bhattacharya
Design of Natural Cooling Systems	Mr. Surendra Shah
ASHRAE/USGBC/IES Standard 189.1,	Ms. Lynn Bellenger President Elect
Feasibilities of Green Buildings	Mr. R. S. Kulkarni
EC fan Technologies for Energy Efficient Ventilation	Mr. Gaurav Vasudeo
Emerging HVAC Technologies for Energy Conservation	Mr. K. Raghavan
Effects of ECBC Code on Air Conditioning System Design (AESAs).	Mr. R. P. Paranjpey

4. Installation of ASHRAE Pune Chapter first BOG

Date 6th Jan 2010

Venue Hotel Le Meridian

The installation Program was arranged at Hotel Le Meridian.

ASHRAE RAL (Region At Large) Sub-Region D, Chair Sudhir Sinha, welcomed the invited guests and ASHRAE members. ASHRAE President Elect Ms Lynn Bellenger installed the first BOG of the chapter. ASHRAE Pune Chapter Founder President Krishna Jog in his speech covered the activities already done and the future programs planned by the chapter. Sudhir Sinha presented 'Know ASHRAE', and was highly appreciated.

The stalwarts of HVACR industry appreciated the efforts taken by ASHRAE in promoting technologies and practices in design and maintenance of high performance buildings.

The program ended with Vote of Thanks from Prof. Ashish Kadam, President Elect of ASHRAE Pune Chapter. He thanked all the partners & supporting organizations, members of ASHRAE & ISHRAE, special invited guests and the Le Meridien staff for excellent arrangements

5. ASHRAE & Net Zero Buildings

Date 6th Jan 2010

Venue Hotel Le Meridian

Presented by Ms. Lynn Bellenger President Elect

Duration 2 Hours

On the day of Installation of ASHRAE Pune Chapter first BOG, the society President Elect Ms. Lynn Bellenger delivered wonderful lecture on ASHRAE & Net Zero Buildings

Her own experience in the trend made it very simple for the audience to understand the concept. The program was attended by 75 ASHRAE Pune members.

6. Revision Refrigeration and Air Conditioning Syllabus of Third Year of Mechanical Engineering at University of Pune.

February 2010

University of Pune having 38 Engineering colleges approached ASHRAE Pune Chapter to support the revision of Refrigeration and Air Conditioning Syllabus of Third Year of Mechanical Engineering. ASHRAE Pune chapter set up a committee of eminent members to revise the Syllabus of Third Year of Mechanical Engineering at University of Pune. The committee consists of Mr. K. V. Jog, Mr. R. P. Paranjpey, R. S. Kulkarni, Dr. A. R. Padalkar, Prof. Ashish Kadam & Anand Joshi.

7. Applications of Propane in Refrigeration System

Date 6th Jan 2010

Venue Hotel Deccan Park

Duration 3 Hours

Presented by Daniel

Daniel works with GTZ Germany and visiting India to support development of propane based air-conditioner development in India. Dr. A.S. Padalkar, Student Activity Chair ASHRAE Pune Chapter has been working this in India. ASHRAE Pune invited Daniel to talk about developments of Hydro carbon based refrigeration system in Europe, its possible growth, precautions to be taken while designing the system etc.

The program was attended by 30 ASHRAE Pune Members.

8. Training for Staff of Retailer Outlet in Pune

Date 3rd April 2010 to 10th April 2010.

The summer season in Pune starts from April and sale of Air Conditioner and Refrigerators peaks during this season. ASHRAE Pune Chapter along with Bureau of Energy Efficiency trained 30

student members of ASHRAE and ISHRAE Pune. These students went to all retail outlets in city, who are selling the Air Conditioner and Refrigerators. They trained more than 500 sales staff in 200 Retail outlet staff for 5 Star Energy rating program.

The main objective was to train the sales staff about BEE Five Star Energy Program so that they can explain the benefits to the customers and promote higher energy efficient products.

9. Visit to China Refrigeration Show

Date 5th April to 10th April 2010

ASHRAE Pune Chapter organized visit of its members to China Refrigeration Show at Beijing. 22 Members joined the group.

10. Workshop on Basics of Refrigeration and Product Cooler Selection

Date 21st and 22nd April 2010

Venue Hotel Alfa Lava Auditorium

Presented by Mr. R. P. Paranjpey Fellow ASHRAE Life Member

Duration 2 Days

ASHRAE Pune Chapter conducted 2 day workshop for Alfa Laval Sales Engineers on Basics of Refrigeration and Product Cooler Selection. The workshop was conducted by Ramesh Paranjpey. He is ASHRAE Fellow Life Member. He has completed M. Tech. in Refrigeration from IIT Mumbai. He has written more than 40 technical papers in reputed journals and conducted corporate training programs for Thermax, Emerson, TELCO, ASHRAE, ISHRAE & so on. He is working as Consultant and Technologist for many national and international firms. He is Ex-President of ISHRAE Pune and ASHRAE Western India chapter.

The workshop was attended by 25 sales executives of Alfa Laval India. The main topics covered are basics of Refrigeration, Product Load Calculation, Selection of Coolers, Ammonia Pump Systems, Hot Gas Defrosting techniques etc.

11. Workshop on Sustainable Cold Storage Design

Date 23rd April 2010

Venue Hotel Alfa Lava Auditorium

Presented by Mr. Sanjay Phadke

Duration 1 Day

ASHRAE Pune Chapter conducted 1 day workshop for Alfa Laval Sales Engineers on Sustainable Cold Storage Design. The workshop was conducted by Sanjay Phadke. He is leading consultant in India for Food Freezing and storage plants.

The workshop was attended by 25 sales executives of Alfa Laval India. The main topics covered are selection of site, interacting with Architects, practical considerations for cold storage design, financial planning, government regulation, subsidy procedures.

12. Membership Promotion drive at Nasik

5th May 2010

MP Chair Rahul Pabalkar

MP Vice Chair Mahesh Rajwade

ASHRAE Pune Chapter, with the support of ISHRAE Nasik Sub-chapter, conducted ASHRAE awareness program and membership promotion drive at Nasik. Nasik is one of fastest growing city in Maharashtra with many auto component industries, software parks and also base of manufacturing Aircraft for Indian Air Force.

The program was attended by 100 people and we expect good growth of ASHRAE in the area soon. The program conducted by ASHRAE Pune Membership Promotion Chair Rahul Pabalkar and vice Chair Mahesh Rajwade.

13. Workshop on Dehydration Equipments for low Humidity

Date 5th May 2010

Venue Hotel O

Presented by Mr. R. P. Paranjpey Fellow ASHRAE Life Member

Duration 1 Day

ASHRAE Pune Chapter conducted 1 day workshop for Engineers on Dehydration Equipments for low Humidity. The workshop was conducted by Ramesh Paranjpey. He is ASHRAE Fellow Life Member. He has completed M. Tech. in Refrigeration from IIT Mumbai. He has written more than 40 technical papers in reputed journals and conducted corporate training programs for Thermax, Emerson, TELCO, ASHRAE, ISHRAE & so on. He is working as Consultant and Technologist for many national and international firms. He is Ex-President of ISHRAE Pune and ASHRAE Western India chapter.

The workshop was attended by 20 engineers working in low humidity application area. The main topics covered were design of low humidity equipments.

14. Workshop on Basics of Refrigeration and Product Cooler Selection

Date 8th & 9th May 2010

Venue Hotel President

Presented by Mr. R. P. Paranjpey Fellow ASHRAE Life Member

Duration 2 Days

ASHRAE Pune Chapter conducted 2 day workshop **on Basics of Refrigeration and Product Cooler Selection**. The workshop was conducted by Ramesh Paranjpey. He is ASHRAE Fellow Life Member. He has completed M. Tech. in Refrigeration from IIT Mumbai. He has written more than 40 technical papers in reputed journals and conducted corporate training programs for Thermax, Emerson, TELCO, ASHRAE, ISHRAE & so on. He is working as Consultant and Technologist for many national and international firms. He is Ex-President of ISHRAE Pune and ASHRAE Western India chapter.

The workshop was attended by 32 people from different industries such as Dairies, food processing, manufacturers, contractors and consultant. The main topics covered were Fundamentals of refrigeration, cooling load calculations, Low temperature psychometric, Equipment selection & Energy saving opportunities.

The workshop received overwhelming response and many members, who could not get the seat have requested for conducting the workshop again.