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India 2020

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ON AIR CONDITIONING,
HEATING, VENTILATION AND
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SEMINAR

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SEMINAR 1

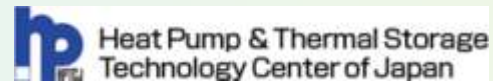
HEAT PUMP TECHNOLOGY - FOR COMMERCIAL & INDUSTRIAL APPLICATIONS: ASIAN & INDIAN CASE STUDIES

DATE: 27 FEB 2020, THURSDAY

TIME: 1400 - 1530 hrs

VENUE: IEML, Greater Noida, Delhi-NCR

Asian Heat Pump & Thermal Storage Technologies Network



Inauguration and background

Mr. Vikram Murthy, National President, ISHRAE

AHPNW AND HPTCJ ACTIVITIES FOR THE DISSEMINATION OF HEAT PUMP TECHNOLOGY

Mr. Akihiro Takeuchi, Director, HPTCJ, Tokyo, Japan

HPTCJ is actively involved in the promotion and technological advancement of heat pump thermal storage systems as the only national center of Japan. In this Presentation, Mr Akihiro Takeuchi will introduce HPTCJ activities for the dissemination of heat pump and thermal storage systems, especially activities based on AHPNWTokyo declaration in 2017.

Recent Advances in Heat Pumps for Water Heating Applications

Mr. B B Kale, Head, Product and Marketing, Emerson

This presentation will focus on Heat Pump Market Trends in Asia, Advancements in Heat Pump Technologies, Energy Efficient Compressors for Heat Pump Applications, India Water Heating Challenges and Case study

Commercial and Industrial Heat Pump Technology and Case Studies in Japan

Mr. Koki Watanabe, Deputy Director, HPTCJ, Japan

Recently, heat pumps are receiving much attention as a technology for improving energy efficiency and reducing CO2 emissions. In this presentation, Mr Koki Watababe will introduce case studies of heat pumps in commercial and industrial sectors in Japan and explain advantages to be brought about by introducing heat pumps

Application of Heat Pump in Commercial Buildings

Ms. Kshama Jain, Managing Director, Kehems Technologies

Heat pumps are an efficient, when used in combination with other systems, they can greatly enhance the efficiency of a heating and cooling system, at a lower installed cost. This presentation discusses on the application of Heat Pump in Commercial Buildings

Concluding remarks and Way forward

Mr. R. Saravanan, Anna University, Chennai & Session Coordinator, ISHARE

SEMINAR 2

LOW GWP REFRIGERANTS AND ADAPTING OF LOW ENERGY TECHNOLOGIES ROUND TABLE DISCUSSION: INTERNATIONAL PARTNERSHIPS TO FACILITATE IMPLEMENTATION OF INDIA'S COOLING ACTION PLAN

DATE: 27 FEB 2020, THURSDAY

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Dr. Reddy, DST, Government of India

Dr. Love, Ozone Cell, Government of India

Ms. Monica Axell, IEA

Representation from ISHRAE

Dr. Vaibhav Chaturvedi, CEEW

Dr. Satish Kumar, AEEE

Mr. Benjamin Hickman, UNEP

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SEMINAR 3

LOW ENERGY COOLING & OCCUPANT HEALTH IN BUILDINGS

DATE: 27 FEB 2020, THURSDAY

TIME: 1000 - 1300 hrs

VENUE: IEML, Greater Noida, Delhi-NCR



Cooling Energy - Impact On Building Value

Mr. Frank Hovorka, President, REHVA

Positive links between buildings' sustainability (like energy performance and GHG emissions) and financial performance and building value

Low Energy Cooling Technology - Radiant & Ventilation

Mr. Jaap Hogeling, Director, EPB Center

Passive cooling technologies which use low energy and are very efficient

Case Study On Radiant Cooling - Indian Application

Mr. Madhusadan Rapole, M.D., Oorja Energy Engineering

Application of Radiant cooling in Indian conditions

Low Energy Cooling Technology: Multi Stage Evaporative Cooling

Mr. Richie Mittal, President Elect, ISHRAE

Passive cooling technologies which use low energy and are very efficient

Filters & Purifiers For Good Health In Residential Applications

Mr. Bjarne Olesen, Proff. International Centre for Indoor Environment and Energy,
Department of Civil Engineering, Technical University of Denmark

Various filtration technologies, air purifiers and their application in residences

Project Lecavir: Low Energy Cooling & Ventilation In Indian Residences

Dr. Yash Shukla, CEPT, University Ahmedabad.

A research project for typical Indian residences

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SEMINAR 4

INDOOR ENVIRONMENTAL QUALITY - GLOBAL SCENARIO & INDIAN CHALLENGES

DATE: 28 FEB 2020, FRIDAY

TIME: 1400 - 1700 hrs

VENUE: IEML, Greater Noida, Delhi-NCR

Looking inside the ISHRAE IEQ Standard

Mr. Ashish Rakheja, AEON Integrated Building Design Consultants LLP.

IEQ Global Scenario and Responsibility of HVAC Engineers

Mr. Bjarne Olesen, Prof. International Centre for Indoor Environment and Energy, Department of Civil Engineering, Technical University of Denmark.

IEQ - GLOBAL ALLIANCE

Mr. Vishal Kapur, MD, Meho-HCP Air Systems Pvt Ltd.

IEQ in nZEB SCHOOLS : REHVA - ISHRAE GUIDEBOOK

Prof. Livio Mazzarella, Prof. of Building Physics and HVAC Systems Full Professor at Politecnico di Milano, Department of Energy – Milan, Italy,
Dr. Nitin Deodhar, Chief Designer, N M Deodhar Consulting Engineers.

From Green Buildings to Healthy Buildings,

Mr. Nitin Dani, Project Director, GIGA Founder & Director, Green Initiatives.

Case Studies on IAQ monitoring

Mr. Priyans Murarka, Co-Founder and CTO, ActiveBuilding,
Mr. Louie Cheng, Chapter director of the China Chapter of the Indoor Air Quality Association.

Panel discussion - Implementation of IEQ Standard: Challenges and Solutions

Dr. Jyotirmay Mathur, Professor, Mechanical Engineering Department, Centre for Energy and Environment, and Head, MNIT Innovation and Incubation Centre Malaviya National Institute of Technology

SEMINAR 5

HIGH PERFORMANCE BUILDINGS IN INDIA - CASE STUDIES OF HVAC SYSTEM EFFICIENCY

DATE: 28 FEB 2020, FRIDAY

TIME: 1400 - 1700 hrs

VENUE: IEML, Greater Noida, Delhi-NCR

Building	Award	Speaker
Reliance TC 22 Bldg	ACREX INDIA Hall of Fame 2018	Mr. Keyur P Shah In charge – RPMG Core HVAC Department Reliance Industries Ltd.
ITC Grand Chola	ACREX INDIA Hall of Fame 2019	Mr. Rahul Prabhakar Chief Engineer - ITC Grand Chola ITC Hotels Ltd.
Infosys EC 53	ACREX INDIA Hall of Fame 2017	Mr. Guruprasad Sastry Regional Head - Infrastructure Infosys Ltd.
Mumbai Airport T2	ACREX INDIA Hall of Fame 2016	Mr. Ketan Soni Head – MEP Operations – West Blue Star

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