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# ASIAN HEAT PUMP & THERMAL STORAGE TECHNOLOGIES NETWORK



“Low Carbon Technologies for affordable Heating”

SPONSORED BY  **SUNTEC**  
HEAT PUMPS

10th Asia Heat Pump and Thermal Storage New Work Workshop, 2022

**9TH DEC 2022, FRIDAY, AHMEDABAD, INDIA**

09:30 h REGISTRATION & NET WORKING		
10:00 h	Welcome & Opening Remarks	Mr N S Chandrasekar National President, ISHRAE, INDIA
10:10 h	Introduction to Asian Heat Pump & Thermal Storage Technologies New work	Mr Koki Watanabe Deputy director, HPTCJ, JAPAN
10:20 h	The Role of Heat Pumps towards Decarbonization – Japan's Policy, Market and Technology	Mr. Takahiro Asahi Manager, HPTCJ, JAPAN
10:50 h	Policy support and market trend of heat pumps in Thailand	Dr. Piyatida Trinuruk King Mongkut's University of Technology Thonburi - THAILAND
11:10 h Coffee & Networking Break		
11:30 h	Presentation by Suntech the Seminar Partner	Mr. Amit Pachori
11:50 h	A role of heat pump to achieve a decarbonized society in Korea	CHOI, Jun Young, Ph.D Chief Researcher, Energy Technology Center, Korea Testing Laboratory, KOREA
12:20 h	Implementation path of large heat pump system in China based on whole process service	Mr. Biao QIAO China Academy of Building Research CHINA
12:50 h	An update of current status and development perspective of Heat Pump technology toward Energy Transition in Vietnam	Dr. Hoang-Luong Pham HUST, VIETNAM
13:20 h	Absorption Heat Pumps and Heat Transformers for Industrial Applications	Dr R Saravanan PME, Anna University, Chennai, INDIA
13:40 h	Closing Remarks	Mr. Akihiro Watanabe Director, HPTCJ

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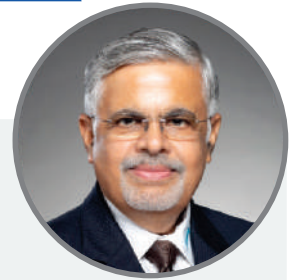
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## BRIEF RESUME OF SPEAKERS

**Topic:** Welcome & Opening Remarks

**Speaker:** Mr N S Chandrasekar, National President, ISHRAE, INDIA

**Brief - Resume:** N S Chandra is a Consultant & Certified Energy Auditor in Genex Consultants, Hyderabad, Involved the consultancy and Project Management in the field of HVAC&R. Graduated from IIT Kanpur. Now he is the National President, ISHRAE the world's largest professional HVAC&R Society.



**Topic:** Introduction to Asian Heat Pump & Thermal Storage Technologies  
New work

**Speaker:** Mr Koki Watanabe Deputy director, HPTCJ, JAPAN

**Brief - Resume:** Deputy Director, Heat Pump & Thermal Storage Technology Center of Japan. Worked for Shikoku Electric Power until 2018, joined HPTCJ in 2019. Involved in international projects on energy efficiency for many years. Graduated from Nihon University.



**Topic:** Policy support and market trend of heat pumps in Thailand

**Speaker:** Dr. Piyatida Trinuruk King Mongkut's University of Technology Thonburi - THAILAND

**Brief - Resume:** Piyatida Trinuruk currently works at the Department of Mechanical Engineering, King Mongkut's University of Technology Thonburi. Piyatida does research in Mechanical Engineering and Nuclear Engineering. Her field of interest are in Innovative nuclear reactor reactor Physics, renewable energy and energy policy and Energy conversion in household and industrial





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## BRIEF RESUME OF SPEAKERS

**Topic:** Presentation by Suntech the Seminar Partner

**Speaker:** Mr. Amit Pachori, Business head, Suntec Energy Systems

**Brief - Resume:** He has been working at Suntec energy systems from last 9 years and looking after all the marketing activities and brand promotion activities for Hot water division & Electronic engineering and machine division.



**Topic:** A role of heat pump to achieve a decarbonized society in Korea

**Speaker:** CHOI, Jun Young, Ph.D Chief Researcher, Energy Technology Center, Korea Testing Laboratory, KOREA

**Brief - Resume:** Dr. Jun-Young CHOI has worked for KTL(Korea Testing Laboratory) as a chief researcher and team leader for 30 years on the energy performance testing and analysis of HVAC-R equipment since he received a Ph.D. in Mechanical Engineering from Yonsei Graduate School. He is in charge of a convener of ISO TC86 SC6 WG10 to develop a new energy performance standard of energy recovery ventilator since 2007, and recently has taken a new convener of ISO TC86 SC6 WG12, which is called as “Heat Pump Water Heater” Working Group to develop a new energy performance standard of heat pump water heater. Currently Dr Jun is responsible for a vice president and a chairman of International Affair Committee, SAREK, and a director of Korea Heat Pump Alliance which was founded in 2015



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## BRIEF RESUME OF SPEAKERS

**Topic:** Implementation path of large heat pump system in China based on whole process service

**Speaker:** Mr. Biao QIAO China Academy of Building Research CHINA

**Brief - Resume:** Mr Qiao Biao is an expert from China Academy of Building Research. His research focuses on integrated energy systems, heat pumps and its application in buildings. Qiao Biao has carried out several National Science and Technology Support Projects related to technology of ground source and air source heat pumps, and has applied heat pump technology in dozens of engineering projects, with a cumulative application area of millions of square meters. He is involved in several city-scale clean energy service projects in China, Qiao Biao has participated in compilation of Technical code for ground-source heat pump system in China, published more than 40 papers and obtained more than 10 patents.



**Topic:** An update of current status and development perspective of Heat Pump technology toward Energy Transition in Vietnam

**Speaker:** Dr. Hoang-Luong Pham HUST, VIETNAM

**Brief - Resume:** Dr. PHAM Hoang Luong, the former Vice-President of Hanoi University of Science and Technology (HUST) is currently serving as Director of Vietnam-Japan International Institute for Science of Technology at HUST. His main scientific interests are clean energy technologies that include clean coal, biomass thermo-chemical conversions, energy efficiency, life cycle assessment of energy technologies. Dr. PHAM Hoang-Luong has so far generated 40 scientific papers of which 20 were published in International Journal of Energy Research, Energy – The International Journal, Biomass and Bioenergy, Journal of Sustainable Energy and Environment and in other International Workshop Proceedings on Renewables.



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## BRIEF RESUME OF SPEAKERS

**Topic:** Absorption Heat Pumps and Heat Transformers for Industrial Applications

**Speaker:** Dr R Saravanan PME, Anna University, Chennai, INDIA

**Brief - Resume:** Prof R Saravanan holds a PhD in Solar Cooling from IIT Madras and has published 68 International Journal papers and presented around 150 papers in both National and International Conferences. He has carried out many research projects for various Government of India Departments and participated in the Marie Curie Research Fellowship Program sponsored by EU. Currently he is the Professor at R&AC Lab, Anna University, Chennai and National Treasurer in ISHRAE.



**Topic:** Closing Remarks

**Speaker:** Mr. Akihiro Watanabe Director, HPTCJ

**Brief - Resume:** Mr Akihiri Watanabe, After graduating from Fukuoka University, he is working for Mayekawa Manufacturing Co.Ltd. Mainly engaged in overseas business, stationed in Mexico, Brazil and the Philippines for 30 years, and since last year september working for HPTCJ Director International & Tecnical resarch Department.



For more information, contact

**ISHRAE**

ISHRAE Ahmedabad Chapter

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