

AHPNW NEWSLETTER

Asian Heat Pump & Thermal
Storage Technologies Network



CONTENTS

~Related News~

1. **The 9th Meeting of AHPNW was held in Beijing, China**

ACTIVITIES

■ The 9th Meeting of AHPNW was held in Beijing, China

Recently, 9th meeting of Asian Heat Pump Thermal Storage Technologies Network (AHPNW)* was held in Beijing, China on 26th Nov. 2019, hosted by compiled by China Academy of Building Research (CABR) and about 40 experts, researchers and engineers participated in the workshop.

In the morning, open workshop was held at CABR. The workshop started with the opening remark by Jianlin Wu, Deputy Director of China Academy of Building Research. Lingyan Yang, a researcher at the Institute of Building Environment and Energy of China Academy of Building Research introduced "The Situation of Heat Pump Technology in China". Akihiro Takeuchi, Director of Heat Pump & Thermal Storage Technology Center of Japan, introduced "Introduction of HPTCJ activities for the dissemination".

Jun Young Choi, Chief Researcher of Korea Testing Laboratory, made a report on "ISO Heat Pump Standard".

Saravanan Rajagonpal, a representative of the Indian HVAC Society and professor at Anna University of India, introduced the progress and application of heat pump technology in India.

Guoyuan Ma, professor of Beijing University of Technology, made a theme report on "Research Progress of Air Source Heat Pump Heating System Suitable for Cold Area Applications".

In the afternoon, closed meeting by the participating organizations of AHPNW, China, Japan, Korea, and India, was held. At this general meeting, AHPNW activities since AHPNW Busan workshop held in 2018 were summarized and the action to the next workshop was discussed. The plan to hold the next AHPNW workshop and general meeting in Japan in 2020 was proposed by Heat Pump & Thermal Storage Technology Center of Japan and was approved. The next AHPNW will be

held in Tokyo.



* Asian Heat Pump Thermal Storage Technologies Network (AHPNW).

The wider promotion of the high efficient heat pump and thermal storage technologies on the demand side is an urgent task in promoting energy conservation and prevention of global warming. Especially in Asian countries where the energy consumption is continuously increasing due to the rapid economy growth, to cooperate with each other countries is highly essential. 5 countries such as China, India, Japan, Korea, and Vietnam gathered together on October 2011 and established AHPNW. Up to now we have held 8 international meeting and published 9 newsletters.

AHPNW Beijing Workshop 2019 November 26th, 2019

Timetable	Title / Speaker
08:30-09:00	Registration
09:00-09:10	Opening remarks, CABR
09:10-09:35	The Situation of Heat Pump Technology in China, Lingyan Yang, CABR
09:35-10:00	Introduction of HPTCJ activities for the dissemination of Heat Pump Technology, Akihiro Takeuchi, HPTCJ
10:00-10:25	ISO standards for Heat pumps –Past, Current and Future, Choi Jun young, KTL
10:25-10:45	Tea Break
10:45-11:10	Heat Pump Progress and Applications in India, Prof. Saravanan Rajagonpal, ISHRAE
11:10-11:35	Research progress of air source heat pump heating system suitable for cold area applications, Guoyuan MA, Beijing University of Technology
11:35-11:45	Concluding remarks, CABR
11:45-11:50	Group photo
11:50-13:00	Lunch, CABR Cafeteria
13:00-17:00	General meeting (by invitation, see detailed draft agenda)



Asian Heat Pump Thermal Storage Technologies Network

To promote energy savings and combat global warming, there is an urgent need to spread efficient heat pump and thermal storage technologies on the demand side. Countries in Asia, which are enjoying rapid economic growth, should coordinate with one another to spread this technology. Five to ten years from now, Asia will become a global economic powerhouse and heat pump technologies will play a considerable role in all sectors. Asian countries will therefore need to address common issues and problems that have already been faced in Europe and North America. Concerning the building of connections and networks among countries, it is essential to share information on diffusion policies, technology trends, applications, etc., and then to make incremental improvements. Further, situations which can or should be handled through collaboration should be handled flexibly, on a case-by-case basis, with the collaboration of all countries. In order to encourage the use and development of heat pump and thermal storage technologies in Asian countries we have established AHPNW in 2011.

Participating Countries and Entities

CHINA: China Academy of Building Research (CABR)

INDIA: Indian Society of Heating, Refrigerating and Air Conditioning Engineers (ISHRAE)

JAPAN: Heat Pump and Thermal Storage Technology Center of Japan (HPTCJ)

KOREA: Korea Testing Laboratory (KTL)

VIETAM: Hanoi University of Science and Technology (HUST)

THAILAND: King Mongkut's University of Technology Thonburi (KMUTT)

INDONESIA: Heating, Cooling & Thermo Fluids Technology Indonesia (HCTFTI)

Please visit our website for more information.

⇒<http://www.hptcj.or.jp/e/ahpnw/tabid/571/language/en-US/Default.aspx>

