



## Call for Paper

The abstract submission system will be opened from January, 2019. The abstracts will be screened by an appropriate Regional Coordinator and authors will be advised of acceptance. Important dates are given below.

Abstract submission open	January 1, 2019
Abstract submission due	<del>May 15, 2019</del> <b>Extended by June 30, 2019</b>
Full paper submission due	November 1, 2019
Final paper submission due	February 15, 2020



## Conference Organization

The conference is organized by the International Organizing Committee (IOC) and the National Organizing Committee (NOC) on behalf of the Executive Committee of the IEA HPT TCP.

### International Organizing Committee (IOC)

Per Jonasson	Chairman IOC, Swedish Refrigeration & Heat Pump Association, Sweden
Sophie Hosatte	Vice-Chairperson IOC, CanmetENERGY, Canada
Hideaki Maeyama	Vice-chair IOC, HPTCJ (Heat Pump and Thermal Storage Technology Centre of Japan)

### National Organizing Committee (NOC)

Min Soo Kim	Chairperson NOC, Seoul National University, South Korea
Yong Tae Kang	Vice-Chairperson NOC, Korea University, South Korea
Minsung Kim	Conference Secretariat, Chung-Ang University, South Korea Email: minsungk@cau.ac.kr Tel: +82-2-820-5973 Fax: +82-2-3280-5867



## Exhibition

Exhibition space will be available during the conference regarding heat pump hardware (manufacturers), R&D exhibits and heat pump information.



## Participation

Those wishing to attend the conference should visit the conference website: [www.hpc2020.org](http://www.hpc2020.org). Detailed information including registration and hotel accommodation forms will be available together with a second announcement in autumn 2019. A program of cultural visits will be arranged for accompanying persons. Technical tours or general excursion to other interesting places in Jeju Island will also be offered.



## IEA HPT TCP

Every three years the IEA Technology Collaboration Programme on Heat Pumping Technologies, (IEA HPT TCP) stages the IEA Heat Pump Conference. We are members of IEA International Energy Agency (IEA) and the programme was founded in 1978. We have been active in more than 40 years, which is a strength since a lot of knowledge and experiences has been generated during the years.

Only a country's government can participate in a TCP (Technology Collaboration Programme), not separate organisations. This means that all people living in a member country are participants of the programme. We have 16 members in HPT TCP. The current member countries are Austria, Belgium, Canada, Denmark, Finland, France, Italy, Germany, Japan, the Netherlands, Norway, South Korea, Sweden, Switzerland, United Kingdom and the United States.

The HPT TCP is a non-profit organization working in the field of heat pumping technologies, i.e. all technologies where heat is pumped from a lower temperature level to a higher one, such as heat pumps, air conditioning and refrigeration. Under the management of an Executive Committee representing the member countries, the programme carries out a strategy to accelerate the use of heat pumping technologies in all applications where they can reduce energy consumption and increase the use of renewal energy sources for the benefit of the environment.

Chairman for HPT TCP is Mr. Stephan Renz (Switzerland).  
E-mail: [renz.btr@swissonline.ch](mailto:renz.btr@swissonline.ch)

Read more about IEA HPT TCP at our website  
[www.heatpumpingtechnologies.org](http://www.heatpumpingtechnologies.org)



The 13th IEA Heat Pump Conference is arranged within the IEA Technology Collaboration Programme on Heat Pumping Technologies, HPT TCP.

The 13<sup>th</sup> International Energy Agency **HEAT PUMP CONFERENCE**

<http://www.hpc2020.org>

## First Announcement and Call for Paper



## Heat Pumps - Mission for the Green World -

Ramada Plaza Hotel Jeju, Korea  
May 11-14, 2020

### Co-organized by



International Energy Agency  
Heat Pumping Technologies  
Technology Collaboration Programme  
(IEA HPT TCP)



The Society of Air-conditioning and  
Refrigerating Engineers of Korea  
(SAREK)





## About the Conference

Energy and the environment - two topics that are always of great concern to human beings. Heating and cooling play a great role in our daily life, we use a tremendous amount of fossil fuels for heating and cooling. When changing temperature levels using substantial energy input, a heat pump is always recommended as promising technologies against climate change.

With this in mind, the 13<sup>th</sup> IEA Heat Pump Conference will be held in Jeju Island from Monday, May 11<sup>th</sup> through Thursday, May 14<sup>th</sup> in 2020. With the theme ‘Heat Pumps - Mission for the Green World’, we aim to address global climate change and discuss necessary actions.

Considering the varied applications of heat pump systems in the residential, building and industrial fields, this major conference with hundreds of participants will definitely broaden the horizons of our heat pump community. The theme, “Heat Pumps - Mission for the Green World”, will make all the researchers proud that we really are creating a Green World together through research and development for a better future.



## Previous Conferences

The upcoming conference will be 13<sup>th</sup> of the series of conferences held by the International Energy Agency (IEA) Heat Pumping Technologies TCP (HPT TCP). Preceding conferences were held in Austria (1984), USA (1987, 2005), Japan (1990, 2011), The Netherlands (1993, 2017), Canada (1996, 2014), Germany (1999), China (2002), and Switzerland (2008). After successful histories in Japan and China, it is the fourth Heat Pump Conference to be held in Asia, and the first to be held in the Republic of Korea.



Baekrokdam Lakem of Halla Mountain



## Conference Venue

The conference venue is Ramada Plaza Hotel Jeju located in Jeju city, easily accessible from Jeju airport. Jeju Island is a famous holiday destination in Southeast Asia, with beautiful beaches, volcanic mountains, and extraordinary cuisine. Home to the natural World Heritage Site, Jeju Volcanic Island and Lava Tubes, participants and those accompanying will certainly enjoy visiting the beautiful island. In addition to sightseeing opportunities, a variety of technical tours are planned.



Night view of Ramada Plaza Hotel Jeju



## Conference Goal

Heat pumps, as a reliable and confirmed technology, is the key equipment for energy savings and greenhouse gas reductions with its wide range of application to various energy sources. The upcoming conference will serve as a forum to discuss the latest technologies in heat pumps, and exchange valuable knowledge in market, policy, and standards information on related technologies. Exhibitions will be held at the conference, to share products and technologies from domestic and foreign companies



Yuchae flower and Dolharubang



## Conference Topics

Within the conference program, participants will encounter numerous cutting-edge presentations on the following issues:

- Recent Advances on Heat Pumping Technologies
- Environment-friendly Technology
- Systems and Components
- Field Demonstration and Multi-disciplined Applications
- Research and Development
- Policy, Standards, and Market
- International Activities



## Conference Structure

The conference will consist of the following sessions, events, and related meetings and forums.

- Keynote and Plenary lectures by renowned researchers
- Oral and poster presentations on innovative heat pump technology, applications and markets
- Exhibitions of heat pump equipment
- Workshops on collaborative projects, connected to annexes in the HPT TCP
- Technical tours
- Sight-seeing programs
- Social gatherings



Cheonjiyeon Waterfall