

## Workshops

On Monday May 15, 2017 the Operating Agents of the TCP-HPT has developed in collaboration with other IEA TCP's six very challenging workshops. We have selected six main topics where after an introduction by international experts discussions will be held in several smaller groups on questions of how to reach the potential markets, what to do and how international collaboration can support this process. The topics are:

- NZEB for renovation residential applications as one of the major challenges for the building sector.
- Smart community energy supply systems, district heating and energy strategies in communities and the urban environment.
- Industry closing the production cycles to avoid Waste Heat.
- Future of Air Conditioning, based upon the finding of the US Department of Energy
- Ground Sources and Annual Thermal Energy Storage
- Combining Heat Pumps with Solar Energy, a win-win solution.

The results and recommendations of these workshops will be used to strengthen running HPT Annexes and/or develop new international collaboration at IEA-level. There is a restricted number of participants (up to 60) for these workshops, so register early and for these and the Conference!

## Exhibition

During the conference an exhibition will be held in the main hall of the World Trade Centre. Suppliers, manufacturers, Institutes and Associations will showcase their products in several information booths. To facilitate interaction, an extensive exhibition area is available, see <http://hpc2017.org/sponsors-exhibition/sponsor-possibilities/>.

## Ritter von Rittinger Award

The Executive Committee for the IEA Technical Collaboration Program on Heat Pumping Technologies (HPT-TCP) IEA asks for nominations for the Ritter von Rittinger award. This award, presented for the first time at the IEA International Heat Pump Conference in 2005, is awarded to deserving individuals or teams who have achieved distinction in the advancement of Heat Pumping technologies, applications, market development and management or organization of activities with lasting international impact. The award is named after Peter Ritter von Rittinger, an Austrian engineer who is credited with design and installation of the first practical Heat Pump system at a salt work in Upper Austria in 1856.

## Heat Pump Conference Secretariat

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## Organisation

In association with the Executive Committee of the IEA Technology Collaboration Program on Heat Pumping Technologies, the conference is organized by the International Organizing Committee (IOC) together with the National Organizing Committee (NOC) and Operating Agents from HPT-Annexes.

## IOC

- Per Jonasson - Chairman IOC, Sweden
- Sophie Hosatte - Vice-Chair IOC, Canada
- Hiroshi Okumura - Vice Chair IOC, Japan

## NOC

- Onno Kleefkens - Chairman NOC, The Netherlands
- Marion Bakker - Vice Chair NOC, The Netherlands

## Did you know?

That the Conference venue Beurs WTC Congress & Event Center benefits from their own installation of an ETP-heat pump, sharing this with the neighbouring Timmerhuis, thus contributing to the reduction of CO2 emissions.

That Rotterdam is named one of world's Top 10 Cities to visit according to Lonely Planet.



**REGISTER  
NOW  
HPC2017.ORG**

**Be early and  
register before  
1st March 2017!**

## Session topics:

- Smart Grids, District Heating and Storage
- Nearly Zero Energy Buildings and Domestic Hot Water
- Industrial Heat Pumps and Waste Heat
- Sorption Technologies and Working Fluids
- Ground sources and ATES
- Heating Ventilating and Air Conditioning

## Conference Presentations

The triennial 12th IEA Heat Pump Conference 2017 will be held at the World Trade Centre in Rotterdam from 15th – 18th May.

## Rethink Energy, Act NOW!

The Conference starts on the first day with six workshops and continues after a plenary opening with three days of presentations. Keynote presentations of high level experts opens each morning and afternoon session.

*Time to prepare for an extraordinary 4-day meeting in Rotterdam!*

## What can you expect to hear?

The IEA Technology Collaboration Program on Heat Pumping Technologies (TCP-HPT) runs at this moment nine international collaboration projects (Annexes). The presentations in Conference sessions have themes in-line with these running and future Annexes. Findings from these Annexes and from other experts will be presented and discussed, where you will learn about new technologies in R&D phase or starting in new markets, policy, environmental benefits, energy conservation and standards.



## Conference Presentations

The very successful call for papers have generated more than 250 high quality papers!

Four tracks of each 40 oral presentations are part of the outstanding conference program with oral sessions on:

- **Track 1:** Supermarkets, Cold Climate Heat Pumps, Nearly Zero Energy Buildings, Multi Family Buildings and Domestic Hot Water.
- **Track 2:** Hybrid Heat Pumps, Smart Grids, District Heating, Storage and Ground Sources
- **Track 3:** Air-Conditioning, Industrial Heat Pumps and Waste Heat
- **Track 4:** Working Fluids, Sorption Technologies, Gas Driven Heat Pumps and Non Traditional Technologies

The detailed program will be available on [www.hpc2017.org](http://www.hpc2017.org). All papers will be published in the Conference Proceedings.

## Listen to key note speakers

To mention: Micheal Taylor from IRENA, Prof. Dr. Hans-Martin Henning from Fraunhofer, Dr. Karim Amrane from AHRI, Prof. Kiyoshi Saito from Waseda University, Prof Neil Hewitt from Ulster University, Prof Stephan Harrison from Queens University Canada, Dr. Bruno Michel from IBM-Research Switzerland, Denis Tanguay from the Canadian Heat Pump Association, Prof. Xu Wei from China Academy of Building Research. Jan Grift from Energy Matters (NL), Krystine Dawson from BSRIA (UK), Gannate Khowailed from CSRA Inc (USA), Cooper Hengyi Zhao from the China Heat Pump Alliance, Alexander Cohr Pachai from Johnson Controls, Thomas Nowak from EHPA.

## Why should you attend?

- The benefits for participation are numerous:
- Catch-up with your international colleagues
- Be informed on latest developments in Heat Pumping Technologies
- Meet interesting industry partners
- Enjoy the beautiful city of Rotterdam
- Exchanging ideas in the challenging workshops

## Who should attend?

With participants from over 30 countries, the event is a key event for:

- Policy makers, government officials and local city councils.
- Executives and representatives from industry, utilities and the public sector.
- Manufacturers, distributors and technology supporters.
- Managers from housing corporations.
- Designers and R&D managers of manufacturers and suppliers.
- Researchers, developers and equipment designers.
- Academics and students.

This is the place to be for all those who wish to learn about the market trends and the future applications of heat pumps

## Conference City

Rotterdam is a young, dynamic, international city with a passionately beating heart. Known as the largest harbour in Europe, Rotterdam city is famous for its modern architecture, well developed cultural infrastructure encompassing all major art forms and residential high-rise and office buildings.

With a wide selection of culinary cuisine, the city is alive in the evening with a wide range of traditional pubs, contemporary grand cafes, bars, clubs and restaurants on virtually every street.

Rotterdam can be reached in a variety of ways: by car, boat, train, bus and air. There are two airports in the vicinity of Rotterdam: Schiphol International Airport and Rotterdam The Hague Airport. The conference venue is in 10 minute walking distance of Rotterdam Central Station. (look at the website <http://hpc2017.org/travel-information/>)

## Social events

All participants are invited to attend the social events:

- Monday May 15th: Welcome reception at the City Hall.
- Wednesday May 16th: Conference Dinner will be in the Laurenskerk, a time honoured church in the city centre.

