

Call for Abstracts

The 15th International Symposium on District Heating and Cooling

Take part in the latest research

Exchange ideas and results

Build networks with researchers and industry leaders

September 4-7, 2016

At the K-Hotel, Seoul, Korea

The Korea District Heating & Cooling Association (KDHC) is pleased to announce, on behalf of the International Energy Agency (IEA) District Heating & Cooling (DHC) research programme, the 15th International Symposium on District Heating and Cooling, and to invite researchers to submit their abstracts.

This biennial symposium is the major research event, and IEA-DHC the only research programme with global reach, for this technology. IEA-DHC member countries span three continents, and it is to the dynamic city of Seoul that KDHC now invites researchers from all over the world for a unique cultural and knowledge exchange.

District heating and cooling networks are urban infrastructures for capturing, moving and using heat and cold efficiently. They enable all sorts of renewable and low carbon heat sources to be harnessed for a more resilient and sustainable energy system.

Ensuring the future success of heating and cooling networks calls for a multi-disciplinary approach to research and development embracing economic, environmental and energy considerations. This is reflected in the framework of the next International Symposium on District Heating and Cooling.

During the Symposium researchers will present and discuss their findings. There will be a peer review process by the Scientific Committee to ensure high quality of the presentations. The five publications considered best by the Scientific Committee will receive an IEA DHC research excellence award together with a prize of US\$ 1000.

*The Scientific Committee
of the International Symposium on District Heating and Cooling
invites researchers to submit abstracts on all aspects of District Heating and
Cooling including the following categories:*

- **Urban energy systems, planning and development**

How does city planning influence the development of district heating and cooling systems and vice versa? Papers in this section explore district heating and cooling as a driving force for city planning and development including development of large or regional heat networks.

- **Resource efficiency and environmental performance**

How can district heating and cooling contribute to an efficient and low carbon energy supply? Papers in this section will consider performance and environmental issues in district heating and cooling, including the integration of renewables, primary energy savings, reduction of CO₂ emissions, combined heat and power and the use of thermal storage.

- **Key elements in District Heating and Cooling systems**

What are the new developments in district heating and cooling technology? Papers in this section consider steps towards the next generation of district heating and cooling. They focus on improving current district heating and cooling solutions and key elements of the technology: for example piping systems, sub stations and metering techniques. This area includes issues regarding cost reduction, the increase of service life, demand side management and low temperature technologies.

- **Customer relations and market issues**

How do customers interact with district energy companies and what is the role of the district energy customers in general? Papers in this area focus on business and infrastructure management and development. A special focus lies on how the challenges for establishing district heating and cooling in an economically viable way can be overcome.

- **Policy and regulation**

What policies and regulatory framework can be deployed to assist the establishment and evolution of efficient district heating and cooling networks? How flexible is district heating and cooling to different regulatory environments? What aspects work universally and to what extent do national and regional elements affect the potential of this technology?

- **Open Arena, District Heating and Cooling**

What other research can forward the success of district heating and cooling?

In line with the broad and multi-disciplinary approach needed to overcome the sector's challenges, the organizers offer the opportunity to submit abstracts that do not fit into the above categories but still bear relevance for a successful future of district heating and cooling.

Instructions for the Abstracts

Abstracts can be submitted for full papers or poster presentations. It should be original work and submitted by the presenting author. The Abstracts are to be written in English and using Microsoft Word format only. All abbreviations must be spelled out on first use. Abstracts should be no more than 300 words.

The following elements should be included in the abstract:

- The title of the Abstract (keep it short for communication purposes)
- The research focus (problem description, short background)
- The research methods used
- The key results/findings of the research to be presented
- The main conclusions and recommendations

Important dates – after deadline extension:

- Submission of Abstract for Review: March 11, 2016
- Notification of Abstract Acceptance: April 1, 2016
- Submission of Paper for Review: May 13, 2016
- Notification of Paper Acceptance: June 10, 2016

Please send your abstracts in pdf-format to Rolf Ulseth, the Chairman of the Scientific Committee: rolf.ulseth@ntnu.no with a cc. to iea-dhc@agfw.de before March 11th, 2016.

For current information please visit: www.dhc2016.kr