



## Cold Climate HVAC 2018

20.3.2017

### **The 9th International Cold Climate Conference "Sustainable new and renovated buildings in cold climates" Kiruna - Sweden 12-15, March 2018**

This is the first time for Cold Climate HVAC to be held in Sweden, Kiruna, north of the Arctic Circle, and it is the most northern Cold Climate HVAC conference ever. In Kiruna there will be extensive new development during the coming decade to form one of the most sustainable Arctic cities in the world, due to the fact that the ore mining leads to a need for evacuating existing buildings. There will be 650 000 m<sup>2</sup> of new development, 4000, or 1/3, of Kiruna's dwellings will be replaced, there will be a new city hall and a new city centre under construction. Results from several unique research projects will be established and there will be ongoing research projects.

The conference covers technical, economic and social aspects of buildings and HVAC systems in new and renovated buildings. The conference program will include:

- Scientific papers and presentations based on a review process in two different tracks
  - Principles and theoretical research
  - Practical Applications and Case studies
- Keynote presentations
- Exhibitions to show products and systems
- Study visits to show practical solutions
- Welcome reception and conference dinner

In connection with the conference there will be opportunities to visit many highly interesting local attractions:

- Icehotel Jukkasjärvi
- Esrange Space Center
- Dogsled
- Northern Lights
- Sami culture

## Conference topics

An overall aim of the conference is to provide the society with knowledge on sustainability from an ecological, economical and social perspective.

- 01 Energy and power efficiency and low energy buildings
- 02 Renovation of buildings
- 03 Efficient HVAC components
- 04 Heat pump and geothermal systems
- 05 District and city energy systems
- 06 Construction management
- 07 Buildings in operation
- 08 Building simulation
- 09 Reference data
- 10 Trans disciplinary connections and social aspects
- 11 Indoor environment and health
- 12 Moisture safety and water damage
- 13 Codes, regulations, standards and policies
- 14 Other aspects of buildings in cold climates

Organizing committee

- Dennis Johansson, Chair, Building Services, Lund University
- Hans Bagge, Co-chair, Building Physics, Lund University
- Åsa Wahlström, Senior advisor, Building Services, Lund University / CIT

<http://www.cchvac2018.se>