

**Abstract Template for the 5th Symposium
on High-Temperature Heat Pumps**

*Petter Nekså1, Benjamin Zühlsdorf2, Jonas Kjær Jensen3*

1 SINTEF Energi AS, Department of Thermal Energy, Trondheim, Norway, Petter.Neksa@sintef.no

2 Danish Technological Institute, Energy and Climate, Aarhus, Denmark, bez@dti.dk

3 DTU - Technical University of Denmark, Department of Mechanical Engineering, Kgs. Lyngby, Denmark, jkjje@dtu.dk

***Keywords:***

High temperature heat pump, R718, compressor technology, Carnot efficiency

***Abstract***

This is a template for the abstract submission for the 5th Symposium on High-Temperature Heat Pumps. Abstracts must include enough information for the reader to judge the nature of the investigated topic, the results and the conclusions. It should summarize the substantive outcome of the work and not merely list the topics to be discussed.

The abstract should be between 200 to 400 words, formatted in Microsoft Word in the style of this template (single spaces, using size 11 Times New Roman font).

Please underline the presenting author and give the affiliation including email. Abstracts should be sent not later than **28 September 2025** by email to info@hthp-symposium.org. You will receive the notification of acceptance for either oral or poster presentation until 26 October 2025.

The abstract will be presented on the symposium website as part of the program to provide the participants with information about your presentation.

When your contribution is accepted, you are expected to submit an extended abstract (500 to 2000 words), which will be published together with the poster or the presentation in the Book of Presentations 2026. The extended abstract should be submitted by 21 December 2025.

The Book of Presentations will receive an ISBN number and will be published on the symposium website. Full paper publication is not planned by the organizers of the HTHP Symposium.

Please register your attendance to the symposium as soon as possible and the latest by 28 November 2025 at <http://hthp-symposium.org/>. With an accepted abstract, you are entitled to register for the reduced fee.