A logo with blue text

AI-generated content may be incorrect.

**Extended 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](mailto:Petter.Neksa@sintef.no)

2 Danish Technological Institute, Energy and Climate, Aarhus, Denmark, [bez@dti.dk](mailto:bez@dti.dk)

3 DTU - Technical University of Denmark, Department of Mechanical Engineering, Kgs. Lyngby, Denmark, [jkjje@dtu.dk](mailto:jkjje@dtu.dk)

***Keywords:***

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

***Extended Abstract***

This is a template for the extended abstract for the 5th Symposium on High-Temperature Heat Pumps. The extended abstract will be published as supplement to the original contribution (either poster or slides).

The extended abstract should be between 500 to 2000 words and summarize the substantive outcome of the work. It should be structured in the following sections: Introduction, Methods, Results and Discussion, Conclusion and References. However, the focus should be on the results. The use of figures and tables should be limited to the main results.

Please underline the presenting author and give the affiliation including email. The extended abstract and a copy of the original contribution should be sent by e-mail not later than **21 December 2025** to [info@hthp-symposium.org.](mailto:info@hthp-symposium.org)

By sending the material, you agree to including it in the collection of all contributions which will be published digitally with an ISBN number.

Full paper publication is not planned by the organizers of the HTHP Symposium.