

## **PRESS RELEASE**

### **European Cryogenics Days 2019**

The Cryogenics Society of Europe (CSE), High-energy Physics Technology Transfer Network (HEPTech) and Helmholtzzentrum für Schwerionenforschung GmbH (GSI) in collaboration with the European Spallation Source (ESS) held the 2019 European Cryogenics Days on October 7 and 8, 2019 in Lund, Sweden.

The workshop started with the annual meeting of the Cryogenics Society of Europe, followed by two days of plenary talks, a poster session and an industrial exhibition concerning many aspects of cryogenics. A tour of the European Spallation Source, currently under construction in Lund, and a social programme were included in the activities. A significant amount of time was built into the program to allow attendees to meet informally and to view the industrial exhibition.

A total of 121 attendees and 17 industrial exhibitors attended the workshop. While the majority of the attendees were European, there was significant attendance from China and North America as well.

The technical programme consisted of 18 talks and 19 posters. It included both descriptions of engineering designs and fundamental research in cryogenics and superconductivity. Talks included "Cryogenics for the ESS Sample Environment", "Cryogenic Supply for the Facility for Antiproton and Ion Research", "State of the Art in HTS Superconductors" and "Cryogenics for Experimental Cosmology". Examples of posters presented were "Cryogenic System Design for HiAF Linac", "The Development of a High Efficiency Two-Stage Stirling-Type Pulse Tube Cryocooler" and "Elusive Transition to the Ultimate Regime of Turbulent Rayleigh-Bénard Convection".

More information about the 2019 European Cryogenics Days, including copies of presentations, could be found at: <https://indico.esss.lu.se/event/1176/>

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