

Session Program

26-29 Oct 2026

5th IWC-HTS International Workshop on Cooling Systems for HTS Applications

Oral Session - Novel Cryogenic and HTS Technologies II

University of Twente, Waaier
Hallenweg 23 7522 NH Enschede Netherlands

Tuesday 27 October

16:00

Oral Session - Novel Cryogenic and HTS Technologies II

Session | **Location:** University of Twente, Waaier, Hallenweg 23 7522 NH Enschede Netherlands | **Convener:** Yuhu Zhai

16:00–16:20

Role of Cryogenics in Superconducting RF (SRF) Technology

Speaker

Shrikant Pattalwar

16:20–16:35

Numerical Study of AC Loss in Fast-Ramping REBCO Coils with Micro-Filamentary Tape for Magnetic Refrigeration

Speaker

Haruumi Yamamoto

16:35–16:50

Producing neon from liquid-hydrogen cold energy to expand the usable inventory as coolant for HTS applications

Speaker

Shinnosuke Matsunaga

16:50–17:05

Effect of temperature-gradient orientation on dissipative work in a tandem active magnetic regenerator

Speaker

Mr Tsuyoshi Shirai

17:05