

Session Program

26-29 Oct 2026

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

Oral Session - Novel Cryogenic and HTS Technologies III

University of Twente, Waaier
Hallenweg 23 7522 NH Enschede Netherlands

Wednesday 28 October

15:00

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

15:00-15:15	High-efficiency hydrogen liquefaction by active magnetic refrigeration Speaker Koji Kamiya
15:15-15:30	Numerical Analysis and Experimental Research of Cryogenic System for the High-Magnetic Field HTS Test Platform Speaker Jingxin Zheng
15:30-15:45	Integral Formulation for Simulating Current Distribution and AC loss in ReBCO Tape Conductors in a Ferromagnetic Environment Speaker Ruben Keijzer
15:45-16:00	Development of a Compact Two-Stage Stirling Cryocooler for Superconducting Applications Speaker Xiaotao Wang
16:00-16:15	Multiscale Simulation Framework for Stirling Cryocoolers Speaker Rick Spijkers
16:15-16:30	Performance of a ReBCO linear-actuator under dynamic operation Speaker Wouter Verbruggen

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