Session Program

27–30 Oct 2025

European Cryogenics Days & Cryogenic Heat and Mass Transfer Workshop 2025

Poster session

University of Twente, Waaier
Hallenweg 23 7522 NH Enschede Netherlands

Wednesday 29 October

14:00

Poster session

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

Design and Optimization of Miniature Regenerators for Pulse Tube Cryocoolers using REGEN3.3

Speaker

Rajendra Kumar

Development of a programmable PID thermal control system for a laboratory cryostat

Speaker

Ms Sandra Pérez Barrio

A high-turnaround cryogenic platform for a 4 Kelvin production testing

Speaker

Dr Priyamvada Bhaskar

ELECTRIC DRIVEN AND LOW HEAT LOAD VALVES FOR LIQUID HELIUM APPLICATIONS

Speaker

LEIRE COLOMO ZULAIKA

Quantum Machine Learning for Enhancing Cryogenic Fluid Simulations through Quantum Physics-Inspired Models

Speaker

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Multiphase cryogenic hydrogen fet flow: a numerical study

Speaker

Zhaoxin Ren

Measurement of critical heat flux and heat transfer coefficient via quenching experiments in cryogenic fluids.

Speaker

Farheen Muhammed

Towards Economic Zero Boil-Off Technology for Liquid Hydrogen Storage

Speaker

Harro Beens

A submersible liquid hydrogen pump – design and initial testing

Speaker

Henrik-Gerd Bischoff

Application of neon pulsating heat pipes to cryocooler-based HTS magnets

Speaker

Dr Quentin Gorit

Assessment of Open-Source simulation in cryogenic LNG re-liquefaction

Speaker

Marcos Guimaraes Dias

Cryolines and Warmlines for ITER Project

Speaker

Vijay GEHANI

Coriolis flow meters offer custody transfer level of accuracy for liquid hydrogen measurement

Speaker

Dr Aleksandr Druzhkov

Energy recovery from regassification of cryogenic liquids using isobaric expansion technology

Speaker

Mr Sander Roosjen

15:00