

# Program Yearly Symposium on Superconductivity & Cryogenics

Organized by:

- Chair Energy, Materials and Systems - Chair Applied Thermal Sciences -
- Chair Industrial Applications of Superconductivity -
- with support of Foundation SuperACT

Friday 22 November 2024, University of Twente, U-Parkhotel, Building 45 on the campus map, room C1+2.

## 09:00 – Welcome with Coffee, Tea & Cakes

## 09:25 – Opening address (5 m)

1. 09:30 – Development of cooling concepts for Einstein Telescope Pathfinder, *Pieter Lerou / Demcon (15+5m)*
2. 09:50 – Progress in sorption-based cooling for the Einstein Telescope, *Arvi Xhahi / Uni. Twente (15+5m)*
3. 10:10 – Cryogenic setup for characterizing thermal noise of mirror coatings, *Koen Lotze/ Uni. Twente (15+5m)*
4. 10:30 – Cryogenic Developments, *Ana Perez and Bart Broersen / Demaco (15+5m)*

## 10:50 – 11:20 Coffee & Tea break (30 m)

5. 11:20 – Construction-level verification of Hyper-conducting conduits, *Max van Vliet / Fokker (15+5m)*
6. 11:40 – Pitch-1: Modeling lightning effect on cables in aircraft, *Roel Metch / Uni. Twente (8+2m)*
7. 11:50 – Pitch-2: Aircraft cable test facility design, *Margreet ter Schure / Uni. Twente (8+2m)*
8. 12:00 – Pitch-3: CryoEM / Cryocooling for Super Resolution Microscopy, *Bart Rooijmans / Demcon (8+2m)*
9. 12:10 – ReBCO-HTS coil technology at PSI, *Jaap Kosse / PSI-Switzerland (15+5m)*

## 12:30 – 13:40 Lunch (70 m)

10. 13:40 – Research in Applied Thermal Science, *Srini Vanapalli / Uni. Twente (15+5m)*
11. 14:00 – Superconducting Actuator demonstration, *Wouter Verbruggen / Uni. Twente (15+5m)*
12. 14:20 – Performance of mechanically loaded ReBCO-CORC Cables, *Giulio Anniballi / Uni. Twente (15+5m)*
13. 14:40 – MRI magnet technology at Philips, *Peter van der Meulen / Philips (15+5m)*

## 15:00 – 15:30 Coffee & Tea break (30 m)

14. 15:30 – Progress of HTS CICC for Fusion in China, *Chao Zhou / IPP-China (15+5m)*
15. 15:50 – Contributions to future high-field accelerator magnets, *Anna Kario / Uni. Twente (15+5m)*
16. 16:10 – High-Field Magnet Program at CERN, targets, plans, and status, *Ezio Todesco / CERN (15+5m)*

## 16:30 – Discussion while enjoying Drinks & Bites (60 m)

## 17:15 – Closing

17:15 – Guided tour of the laboratories for those interested.