

Session Program

3-5 May 2023

CHATS-AS 2023

Thermal-hydraulic modelling - 2

Politecnico di Torino, Energy Center
Via Paolo Borsellino 38/16 - 10138 Torino (TO) - ITALY

Thursday 4 May

08:30

Thermal-hydraulic modelling - 2

Session | **Location:** Politecnico di Torino, Energy Center, Via Paolo Borsellino 38/16 - 10138 Torino (TO) - ITALY

08:30-09:00

Toward a better coupling scheme for the co-simulation with 1-d conductor models in thermal contact to the FEM meshes of solid structure

Speaker

Dr Dong Keun Oh

09:00-09:30

Analysis and modelling of the quench experiment on HTS sub-sized cable-in-conduit conductors for fusion applications

Speaker

Andrea Zappatore

09:30-10:00

Modeling and analysis of quench in the 15-kA HTS conductor

Speaker

Monika Lewandowska

10:00-10:30

Finite Element Thermal Thin Shell Approximation for Simulation of Transients in Accelerator Magnets

Speaker

Andrea Vitrano

10:30