Session Program

12–14 Oct 2011

CHATS on Applied Superconductivity 2011

Session 5: System analysis and Multi-physics

CERN, Salle Andersson
40-S2-A01

Friday 14 October

09:30

Session 5: System analysis and Multi-physics: System analysis and Multi-physics
Session | **Location:** CERN, Salle Andersson, 40-S2-A01

09:30–10:00 — **Modeling and simulation of cryogenic processes using EcosimPro**

Speaker
Dr Benjamin Bradu

10:00–10:30

Validation of the cryogenic circuit module in the 4C code against SHe closed loop data

Speaker
Roberto Zanino

10:30–10:45 — **Coffee Break**

10:45–11:15 — **THELMA Analyses of ITER NbTi Cable-in-Conduit Conductors**

Speaker
Prof. Fabrizio Bellina

11:15–11:45

0-D thermo hydraulic approach for predicting pressure and temperature along HELIOS SHe closed loop under pulsed loads.

Speaker
Bernard Rousset

11:45–12:15 — **Simulation of the Operation of the ITER Coils using a Domain**

Speaker
Luca Bottura

12:15–12:45

4C analysis of thermal-hydraulic transients in the KSTAR superconducting magnet system

Speaker
Laura Savoldi Richard

12:45