Session Program

18–19 Aug 2014

TEMF-CERN

Project Goals

TEMF, Building S2/17, Room 114
TU Darmstadt, Institut für Theorie Elektromagnetischer Felder, Schloßgartenstr. 8, 64289 Darmstadt

Monday 18 August

14:00

Project Goals
Session |
Location: TEMF, Building S2/17, Room 114, TU Darmstadt, Institut für Theorie Elektromagnetischer Felder, Schloßgartenstr. 8, 64289 Darmstadt

14:00–14:15 **Domain Decomposition and Hybrid Discretization for Magnets**

Speaker
Prof. de Gersem Herbert

14:30–14:45 **Thermo-Electro-Dymanic Simulations on SC Wires & Cables**

Speaker
Arjan Verweij

15:00–15:15

Approaches for the Quantification of Uncertainties in Stochastic Magnet Design

Speaker
Mr Ulrich Roemer

15:30–15:45 **Quench Framework for 2-D Magnet Protection Simulation**

Speaker
Michal Maciejewski

16:00–16:15 **Coffee**

16:15–16:30 **Quench Simulation at GSI**

Speaker
Mr Piotr Szwangruber

16:45–17:00 **Particle-Tracking and the Analysis of Quench Tests in the LHC**

Speaker
Vera Chetvertkova

17:15–17:30 **Challenges for Cooperative multiphysics Simulations**

Speaker
Prof. Sebastian Schoeps

17:45–18:00

Challenges in the Simulation of Transient Effects in Accelerator Magnets

Speaker
Bernhard Auchmann

18:15–19:00 **Summary Discussion - Project Goals**

19:00