

## Session Program

12-14 Oct 2011



# **CHATS on Applied Superconductivity 2011**

## ***Session 3: Electromagnetics, Models and Methods***

CERN, Salle Andersson  
40-S2-A01

# Thursday 13 October

09:30

## Session 3: Electromagnetics, Models and Methods: Electromagnetics, Models and Methods

Session | Location: CERN, Salle Andersson, 40-S2-A01

09:30-10:00

### Speeding up the Simulation of Coupling Losses in ITER size CICC joints by using a Multi-Level Fast Multipole Method and GPU technology

**Speaker**

Ezra van Lanen

10:00-10:30

### Development of a three-dimensional finite-element model for high-temperature superconductors based on the H-formulation

**Speaker**

Francesco Grilli

10:30

10:45

## Session 3: Electromagnetics, Models and Methods: Electromagnetics, Models and Methods

Session | Location: CERN, Salle Andersson, 40-S2-A01

10:45-11:15

### Usage of manifolds in electromagnetism and superconductor modelling

**Speaker**

Dr Antti Aleksis Stenvall

11:15-12:00

### How to model a large and complex apparatus with high precision - from

**Speaker**

Hans Von Der Schmitt

12:00