

## **Session Program**

**17-21 Sept 2017**



## **EUCAS 2017**

***Poster : 3LP3 - HTS Magnets & Cables Modeling***

Geneva, CIG

## Wednesday 20 September

13:30

### Poster : 3LP3 - HTS Magnets & Cables Modeling

Poster Session | Location: Geneva, CIG

#### **3LP3-01 Innovative Electro-Thermal Modeling of Quench in REBCO Roebel Cables and Coils.**

**Speaker**

Lorenzo Cavallucci

#### **3LP3-02 Study of a superconducting magnetic diverter for the ATHENA X-RAY Space Telescope**

**Speaker**

Nicolò Riva

#### **3LP3-03 An Electromagnetic Analysis of REBCO Cable Configurations**

**Speaker**

Luca Bottura

#### **3LP3-04 Simulation and analysis of an (RE)BCO tape stack magnet under the pulsed field magnetization**

**Speaker**

Wenjiang Yang

#### **3LP3-05 A 3D T-A model for the stacks of second generation high temperature superconductor**

**Speaker**

Jie Sheng

#### **3LP3-06 Influence of physical properties of a Coil Bobbin on Transient Thermal Stress in a REBCO Pancake-coil**

**Speaker**

Daisuke Miyagi

#### **3LP3-08 Parametric Evaluation of Pressure Drop and Heat Transfer with Nano Cryogenic Fluid in HTS cables**

**Speaker**

Priyanka Anand

#### **3LP3-10 Electromagnetic Parameter Analysis of YBCO Superconducting Cables With High Current for HTS Power Devices**

**Speaker**

Shanshan Fu

#### **3LP3-11 Influence of the magnetization features of the HTS tape on the magnetic field homogeneity inside the superconducting unclosed shield**

**Speaker**

Evgeny Kulikov

#### **3LP3-14 Design of MgB2 superconducting joint using pressure-dependent finite element model**

**Speaker**  
Seong-Hoon Kang

**3LP3-15 Conceptual Design of the Suspension Structures for High-temperature Superconducting Magnets Deployed in Mobile Platforms**

**Speaker**  
Timing Qu

**3LP3-16 Shielding-current-induced fields in coils with various shapes wound with striated coated conductors**

**Speaker**  
Yudai Mizobata

**3LP3-17 Screening currents within the Eucard HTS insert**

**Speaker**  
Philippe Fazilleau

**3LP3-18 A 3-D Numerical Model of Critical Current in Twist Stacked Tape Cable**

**Speaker**  
Donghui Liu

**3LP3-19 HTS coil model for critical current calculation, quench behavior and comparison with wound sample experiment**

**Speaker**  
Tara Benkel

**3LP3-20 A 3D T-A model for the stacks of second generation high temperature superconductor**

**Speaker**  
Jie Sheng

15:30