

## **Session Program**

**17-21 Sept 2017**



## **EUCAS 2017**

### ***Poster : 1LP3 - AC losses***

Geneva, CIG

# Monday 18 September

13:30

## Poster : 1LP3 - AC losses

Poster Session | Location: Geneva, CIGG

### 1LP3-01 Inter-strand resistance in REBCO Roebel cables and effect on AC loss

**Speaker**

Simon Otten

### 1LP3-03 Ac loss calculation of a cosine-theta dipole magnet wound with coated conductors considering iron yoke influence

**Speaker**

Yusuke Sogabe

### 1LP3-04 AC loss in REBCO stator windings of superconducting motors for electric and hybrid aircrafts

**Speaker**

Enric Pardo

### 1LP3-05 Simulations of electromagnetic behaviors of joint in YBCO coated conductors with 3D finite-element analysis

**Speaker**

Huadong Yong

### 1LP3-06 Influence of Three Phases Imbalance on the AC Losses of Tri-axial HTS CORC Cable used in an All-Electric Aircraft

**Speaker**

Zixuan Zhu

### 1LP3-07 Experimental Study on the Magnetization Losses of Tri-axial CORC Cable used in All-Electric Aircraft

**Speaker**

Yawei Wang

### 1LP3-08 Quench propagation in Rutherford MgB<sub>2</sub> cables

**Speaker**

Álvaro Cubero

### 1LP3-09 Calculation of interstrand coupling losses in superconducting Rutherford cables with a continuum model

**Speaker**

Marco Breschi

### 1LP3-11 Dynamic resistance measurement in a four-tape YBCO stack

**Speaker**

Zhenan Jiang

### 1LP3-12 Analysis of AC loss in different stacks of YBCO superconducting tapes

**Speaker**

Changxin Chi

**1LP3-13 AC Losses in HTS Coils for Wireless Power Transfer Applications****Speaker**

Boyang Shen

**1LP3-14 Simulation of linear generator made of HTS pancake coils stack****Speaker**

Sukru Yildiz

**1LP3-15 Measurements of crossed-field demagnetisation rate of trapped field magnets at 20-77 K and high frequencies****Speaker**

Algirdas Baskys

**1LP3-17 Dragging hysteresis forces in a linear displacer with Coated Conductor Stacks****Speaker**

José López

**1LP3-18 Magnetization of rectangular 2G HTS stacks and dragging forces developed inside a multipolar magnetic channel: trapped field, current distribution and forces****Speaker**

Miquel Carrera

**1LP3-20 AC loss in HTS fusion cables: measurements, modeling and scaling laws****Speaker**

Nikolay Bykovsky

**1LP3-21 Multi-scale Model for AC Loss Calculation in Large-scale HTS-SMES****Speaker**

Ying Xu

**1LP3-22 Effect of striation in assembled coated conductors****Speaker**

Naoyuki Amemiya

**1LP3-23 Transport AC loss measurements in bifilar stacks composed of YBCO coated conductors****Speaker**

Wenjuan Song

15:30