

## **Session Program**

**17-21 Sept 2017**



## **EUCAS 2017**

### ***Poster : 3MP4 - Bi-Based wired and LTS Materials***

Geneva, CIG

## Wednesday 20 September

13:30

### Poster : 3MP4 - Bi-Based wired and LTS Materials

Poster Session | Location: Geneva, CIG

#### 3MP4-01 Strong HTS wires based on the Bi2212 superconductor

**Speaker**

Alexander Otto

#### 3MP4-02 BOST progress on Bi-2212 round wire fabrication for high field magnet applications

**Speaker**

Yibing Huang

#### 3MP4-03 Overpressure densification of 2212 round wires before solenoid coil winding for higher winding pack stability and higher JW

**Speaker**

Maxime Matras

#### 3MP4-04 Investigation of inter-grain critical current density in Bi-2212 superconducting wires through $J_c(B,T)$ measurements

**Speaker**

Alessandro Leveratto

#### 3MP4-05 Axial tensile stress-strain characterization of Bi-2212 round wire with different heat treatment pressures

**Speaker**

Jinggong Qin

#### 3MP4-07 Experimental Investigation of Bi-2223/Ag Superconducting Tape Joints

**Speaker**

Yuta Ebara

#### 3MP4-09 Investigations on the enhancement of the critical current density in Nb3Sn superconductors by internally oxidized ZrO2 particles

**Speaker**

Florin Buta

#### 3MP4-11 Growth Rate and Morphology of Nb3Sn Layers in ITER-type Bronze-Processed Wires under Different Diffusion Annealing Regimes

**Speaker**

Evgeniya Valova-Zaharevskaya

#### 3MP4-12 Effect of initial Nb billet conditions on the strain hardening of Nb filaments in Nb3Sn strand for FCC

**Speaker**

Iksang Shin

#### 3MP4-14 Microstructure and superconducting properties of bronze-processed Nb3Sn layer using Cu-Sn-In ternary matrix

**Speaker**  
Yoshimitsu Hishinuma

**3MP4-15 A Study on the High Jc Nb<sub>3</sub>Sn Strand Manufacturing Process**

**Speaker**  
Soobok Yoon

**3MP4-16 Effect of Sn concentration in bronze matrix on the pre-reaction formation of Nb<sub>3</sub>Sn layers in bronze-processed superconducting strands of different design**

**Speaker**  
Irina Deryagina

**3MP4-17 Lattice dynamics and compressibility on Nb<sub>3</sub>Sn at high pressure by a multitechnique approach**

**Speaker**  
Rita Loria

**3MP4-18 Role of Ti on critical current density-dependent metallurgical aspects of A15-based superconductors by bronze method**

**Speaker**  
Sangeeta Santra

**3MP4-19 Lead-free persistent mode joints between NbTi wires**

**Speaker**  
Timothy Davies

**3MP4-20 Ternary Molybdenum Chalcogenide superconducting wires for ultra-high field applications**

**Speaker**  
Bernd Seeber

**3MP4-21 Effect of overpressure heat treatment on the microstructure and the current-carrying capacity of Bi-2212 wires**

**Speaker**  
Qingbin Hao

15:30