

## **Session Program**

**17-21 Sept 2017**



## **EUCAS 2017**

***Poster : 3LP4 - Magnet Design and Quench***

Geneva, CIG

# Wednesday 20 September

13:30

## Poster : 3LP4 - Magnet Design and Quench

Poster Session | Location: Geneva, CICC

### 3LP4-02 Magnetic Design for the Superferric Multipole Magnets of the Super-FRS

**Speaker**

Hans Mueller

### 3LP4-03 Force acting on a magnetic cloak placed in magnetic field

**Speaker**

Mykola Soloviov

### 3LP4-04 Analytical Modeling of an Inductor in a Magnetic Circuit for Pulsed Field Magnetization of HTS Bulk

**Speaker**

Mohamed Elbaa

### 3LP4-05 Capacity Allocation and Electromagnetic Optimization of SMES in Micro Grid

**Speaker**

Xiao Zhou

### 3LP4-06 A Compact Electromagnet with High-Tc Superconducting REBaCuO Tapes

**Speaker**

Chuanbing Cai

### 3LP4-07 Improvement of Magnetic Field Homogeneity from the HTS Joint-less Coil

**Speaker**

Seyeon Lee

### 3LP4-09 A 30kA IGBT based energy extraction system for the High Luminosity LHC magnet test facilities

**Speaker**

Gert Jan Coelingh

### 3LP4-10 Over-Current Characteristics of Roebel Cable Sample With 2G YBCO Coated Conductor

**Speaker**

Panpan Chen

### 3LP4-11 Study on hot spot temperature limits for epoxy-impregnated coil wound of Bi/Ag sheathed wire to be safe from damages caused by quenches

**Speaker**

Ryuta Matsuo

### 3LP4-12 Experimental study on method to suppress hot spot temperature of HTS coil by quick transfer of current of quenching coil

**Speaker**

Ryuta Matsuo

**3LP4-13 Evaluation of Strain Tolerance to the Superconducting Magnet Quenching by the 3-point Bending Test Stand****Speaker**

Manabu Aoki

**3LP4-14 Quench protection of the central solenoid model coil for the CFETR****Speaker**

Yuanyuan Ma

**3LP4-15 Safety valve system for JT-60SA superconducting coils****Speaker**

Kyohei Natsume

**3LP4-16 Analysis of Voltage Noises for the Reliability Improvement of the KSTAR CS Quench Detection****Speaker**

Geonwoo Baek

**3LP4-17 Development of a digital quench detection system for Nb3Sn magnets and first measurements on prototype magnets****Speaker**

Jens Steckert

**3LP4-19 Experiments to Validate New Method to Diagnose Soundness of The High Temperature Superconducting Coils by Pick-up Coil Pairs****Speaker**

Akifumi Kawagoe

**3LP4-20 50 kV Fail-Safe Quench Detection System for Large Superconductor Magnets****Speaker**

Walter H. Fietz

**3LP4-21 Partial isolation quench protection method for YBCO SMES magnet****Speaker**

Qixing Sun

**3LP4-22 Protection Strategy for HTS Coils in DC Electric Power Network****Speaker**

Miyeon Yoon

**3LP4-23 Quench detection utilizing stray capacitances****Speaker**

Emmanuele Ravaioli

**3LP4-24 Coil Development and Coupling-Loss Induced Quench Protection of Bi-2212 Magnets****Speaker**

Daniel S. Davis