

Session Program

17-21 Sept 2017



EUCAS 2017

Poster : 1LP5 - Motors, generators and other rotating machines

Geneva, CIG

Monday 18 September

13:30

Poster : 1LP5 - Motors, generators and other rotating machines

Poster Session | Location: Geneva, CIGG

1LP5-03 Electrical Losses and Temperature Distribution Analysis of a HTS Motor Considering PWM Schemes in Voltage Source Inverter

Speaker

Ji Hyung Kim

1LP5-04 Numerical Analyses on Influences of Armature Winding Shape and Yoke Arrangements on Total Losses in Fully Superconducting Synchronous Motors Using REBCO Tapes

Speaker

Akifumi Kawagoe

1LP5-05 Comparative Characteristics of Rotary HTS Flux-pump considering Rotational State of HTS Load

Speaker

Jeyull Lee

1LP5-06 Design of a DC Transformer by an HTS Homopolar Motor-Generator Set

Speaker

Seyon Lee

1LP5-08 Experiments and Modelling of a Synchronous-Hysteresis Superconducting Machine with Stacks of Second Generation Tapes

Speaker

Guilherme Goncalves Sotelo

1LP5-09 Superconductors under dynamic electromagnetic conditions in electric machines

Speaker

Peter O'Brien

1LP5-10 Reduction and elimination of ac-losses in the superconducting super motor

Speaker

Minaru Kawamura

1LP5-12 Fabrication of a scaled MgB₂ racetrack demonstrator pole for a 10 MW direct drive wind turbine generator

Speaker

Niklas Magnusson

1LP5-13 A Novel Axial-Flux Magnetic Gear Using Stationary HTS Excitation

Speaker

Peng Gao

1LP5-14 Test of a Rotary HTS Flux-pump using Electromagnet for Constant Field Current of HTS Synchronous machine

Speaker

Haeryong Jeon

1LP5-15 Study on the optimal arrangement according to the purpose of superconducting bulk.**Speaker**

Kazuhito Yamagishi

1LP5-16 Relationship between Eccentricity and Amplitude of a Rotor Having a Non-uniform Magnetization Distribution Supported by a Superconducting Magnetic Bearing**Speaker**

Hiroataka Ishii

1LP5-19 3D Modeling of Coils for Pulsed Field Magnetization of HTS Bulk Pellets Placed on an Inductor of a Superconducting Electrical Machine**Speaker**

Kévin Berger

1LP5-20 Characterization of oriented and non-oriented electrical steels using the Epstein frame and a magnetic core, at room and cryogenic temperatures**Speaker**

Anabela Pronto

1LP5-21 Lorentz Force Velocimetry based on HTS bulk magnet system**Speaker**

Oleksii Vakaliuk

15:30