

Session Program

17-21 Sept 2017



EUCAS 2017

Poster : 3LP7 - Power transmission and cables

Geneva, CIG

Wednesday 20 September

13:30

Poster : 3LP7 - Power transmission and cables

Poster Session | Location: Geneva, CIGG

3LP7-01 Design Optimization of a Superconducting Gas-Insulated Transmission Line

Speaker

Sastry Pamidi

3LP7-02 Influence of cabling on current carrying properties of MgB₂ superconductors

Speaker

Sergey Fetisov

3LP7-03 Technology Collaboration Program on High Temperature Superconductivity (HTS): how HTS applications may influence international standardization activity

Speaker

Giuliano Angeli

3LP7-04 Advances in the First Brazilian Project on HTS Power Cable

Speaker

Marcelo Neves

3LP7-05 Computational simulation of thermal behavior of a Cold Dielectric HTS Power Cable

Speaker

Edson da Silva

3LP7-06 Efficient numerical modelling of superconducting power cables - A comparative study between 2D and 3D numerical models

Speaker

Min Yao

3LP7-07 Simulation and test of the compact 2G HTS power cable model

Speaker

Sergey Fetisov

3LP7-08 Fault Current Investigations of a concentric three-phase HTS Cable connected to a SFCL Device

Speaker

Wescley Tiago Batista de Sousa

3LP7-09 A 3D quench model for high temperature superconductor CORC cable based T-A formulation

Speaker

Zixuan Zhu

3LP7-10 Design Comparisons of concentric three-phase HTS Cables

Speaker

Dustin Kottonau

3LP7-11 Short circuit test results of 22kV HTS triaxial superconducting bus**Speaker**

Kazuhisa Adachi

3LP7-12 Comparative Analysis of Finite Element Method and Volume Element Method for Thermal Modeling of Superconducting DC Transmission Systems**Speaker**

Dimitrios Doukas

3LP7-13 The Model Development and Power System Analysis of HVDC system in Jeju Island with DC 80kV HTS**Speaker**

Eunyoung Ko

3LP7-15 Multi-Terminal DC Transmission Systems based on Superconducting Cables Feasibility Study, Modeling and Control**Speaker**

Dimitrios Doukas

3LP7-16 Comparisons between Simulations and Experimental Results of 66kV 40m model HTS Power Cable in Short-circuit Current Accidents**Speaker**

Daichi Horita

3LP7-18 System Apparatus And Methods For A 4k (Stochastic) Superduct**Speaker**

Charles Janeke

3LP7-19 UK's 1st feasibility study of using superconducting cables in electricity distribution networks**Speaker**

Weijia Yuan

3LP7-20 3-D Numerical Modelling of AC losses in MgB₂ wires for the 10 kA demonstrator of BEST PATHS**Speaker**

Guillaume Escamez

3LP7-21 Safety verification of 275kV HTS Cable System in Short-current Accidents**Speaker**

Yusuke Yokoo

3LP7-24 A new proposal of Terminations for HTS Power Cables**Speaker**

Marcelo Neves

3LP7-26 Electro-mechanical performance of 18-strand MgB₂ cables for the Superconducting Link Project at CERN**Speaker**

Konstantina Konstantopoulou

3LP7-27 Development of MgB2 cable conductors for very high power HVDC transmission within the Best Paths project

Speaker

Christian-eric Bruzek

3LP7-28 Effective pumping of long HTS power transmission line insulated with heat radiation shield

Speaker

Yury Ivanov

3LP7-29 Suitable cable structure of HTS tri-axial cable cooled by counter flow cooling method for long-distance power transmission

Speaker

Daisuke Miyagi

3LP7-30 An Improved Starting Strategy for a Spherical Superconducting Rotor

Speaker

Hongyi Qu

3LP7-31 World first commercial project for applying superconducting cable system in Korea

Speaker

Cheolhwi Ryu

15:30