

MT27, 27th International Conference on Magnet Technology

Tuesday, 16 November 2021

TUE-PO1-513 SMES, Transformers, Wireless Power Transfer (13:15 - 15:15)

[id] title	presenter	board
[677] The influence of SMES magnet operation parameters on voltage distribution characteristic	SHI, Jing	
[629] [Invited] Preliminary tests 12 T REBCO isolated solenoid magnet used as compact 1 MJ SMES.	VIALLE, Julien	
[857] Current Source Converter Based Photovoltaic Synchronous Generator Incorporated with a SMES	GUO, Wenyong	
[785] The research on double pancake coil of 1MJ high temperature superconducting magnet energy storage for the power system of NICA complex	LI, Ming	
[714] Study on Low Loss Coil Structure for High Energy Density of a Wireless Power Transmission System Using High Temperature Superconducting Coils for Railway Vehicle	Dr INOUE, Ryota	
[152] Evaluation of operating characteristics of coils wound with no-insulation REBCO bundle conductor for SMES	Mr MIYAMOTO, Yu	
[503] Design of 10MJ toroidal field D-type superconducting energy storage magnet	ZOU, Xinyu	
[267] Multi-Input, Long-Distance, HTS-Based Wireless Charging System for Undersea Sensor Networks	Mr TIAN, Xiaoyang	
[300] Design Study of 3 ϕ -10 MVA-6.9/1.0 kV REBCO Superconducting Transformers with Lightweight and Current-Limiting Function for an E-aircraft Propulsion System	SUMIDA, Masashi	
[398] Investigation of HTS Power Devices Cooled by LN ₂ /CF ₄ Mixture	Dr QIU, Qingquan	
[455] Design and Simulation of a 150 kVA Single-Phase HTS Transformer with 1G/2G Hybrid HTS Tapes	PI, Wei ZHANG, Zhaoyu YANG, Yu SUN, Ziyuan WANG, Ruiqi	
[496] AC loss reduction on a 6.5 MVA/25 kV HTS traction transformer by exploiting asymmetric conductor critical current	Ms WU, Yue	
[722] Basic study on coil structure for high-temperature superconducting cable termination applying a wireless power transmission system	Dr INOUE, Ryota	
[855] Wind photovoltaic Synchronous Generating System integrating with a SMES for a Grid Forming Renewable Energy System	GUO, Wenyong	
[556] Optimized configurations for enhancing the interaction capacity between permanent magnet and superconductor coil	Mr LI, Wenxin	
[679] Study on thermal stability of transformer under external thermal disturbance	TIAN, Binyi	
[719] AC Loss Measurement of Double Pancakes Wound with MgB ₂ Rutherford Type Superconductor	KOMAGOME, Toshihiro	