

MT27, 27th International Conference on Magnet Technology

Friday, 19 November 2021

FRI-OR7-502 SMES, Superconducting Transformers, Cables and Bulks (10:00 - 12:00)

-Conveners: Shinichi Nomura; Kohei Higashikawa

time	[id] title	presenter
10:00	[272] [Invited] 15% reduction in AC loss of a 3-phase 1 MVA HTS transformer by exploiting asymmetric conductor critical current	JIANG, Zhenan
10:15	[513] Operation Scenario of Mobile SMES for On-Site Eigenvalue Measurement of Electric Power System	Dr NOMURA, Shinichi
10:30	[907] Development of DC Superconducting Cable with Magnetic Energy Storage Function for Compensating Power Fluctuation from Renewable Energy Sources	HIGASHIKAWA, Kohei
10:45	[578] Development of superconducting magnetic energy storage for the power system of the particle accelerators Booster and Nuclotron of NICA	NOVIKOV, Mikhail
11:00	[71] [Invited] Portable, desktop high-field magnet systems using bulk high-temperature superconductors	AINSLIE, Mark
11:30	[718] Numerical modeling of the pulse field magnetization of the bulk array used as the field poles of a superconducting machine	Mr CAUNES, Antomne
11:45	[890] Trapped Field Characteristics of K-doped Ba122 Polycrystalline Bulks Synthesized by Spark Plasma Sintering	Mr TOKUTA, Shinnosuke