

MT27, 27th International Conference on Magnet Technology

Thursday 18 November 2021

THU-OR5-501 Superconducting Rotating Machine, Levitation and Flywheel (18:30 - 20:30)

-Conveners: Taketsune Nakamura; Mark Ainslie

time	[id] title	presenter
18:30	[1035] [Invited] Experimental and theoretical study on power generation characteristics of 1 kW class fully high-temperature superconducting induction/synchronous generator using a stator winding with a bending diameter of 20 mm	Dr DONG, Tenghui
18:45	[1038] Performance analysis and evaluation of a hundred-kW HTS dynamic synchronous condenser prototype	Dr SONG, Peng
19:00	[743] A Numerical and Experimental Study on Dynamic Operation of a Synchronous Rotating Machine with NI HTS Field Windings	Mr BONG, Uijong
19:15	[628] Methods of Estimating AC Losses in Multi-filamentary Superconducting Windings with Spatial and Time Harmonics	BALACHANDRAN, Thanatheepan
19:30	[194] T-A Formulation for Modelling and AC Loss Reduction Studies in a Superconducting Synchronous Generator for a 10 MW Wind Turbine	VARGAS-LLANOS, Carlos Roberto
20:00	[597] A High-Speed Maglev Test Rig Designed for HTS Pining Levitation and Electrodynamic Levitation	Prof. DENG, Zigang
20:15	[959] Research on HTS flywheel energy storage system in China	Prof. ZHANG, Guomin