

9th International Workshop on Numerical Modelling of High Temperature Superconductors - HTS 2024

Wednesday 12 June 2024

Session 3: Applications: A (15:20 - 16:40)

time	[id] title	presenter
15:20	[18] How to increase the field gradient produced by a superconducting Halbach array by modifying its geometric parameters?	VANDEBEMDEN, Philippe
15:40	[15] Hybrid superconducting screens combining disk-shaped bulks and closed-loop coated conductors: modelling and experimental validation	ROTUEUDT, Nicolas
16:00	[16] A parameter-free reconstruction of HTS critical current magnetic field - angular dependency with sparse measurements	Dr LASEK, Pawel
16:20	[35] Multi-physics considerations of NI HTS Solenoid for PSI Positron Production Experiment	KOSSE, Jaap

Thursday 13 June 2024

Session 3: Applications: B (09:00 - 10:20)

time	[id] title	presenter
09:00	[17] Computing Hysteresis and Coupling AC losses in round cable made from filamented HTS tapes	SOLOVIOV, Mykola
09:20	[51] Design Optimization of Ferromagnetic Poles for a High Temperature Superconducting Bulk Undulator	GAFA, Carlos
09:40	[39] Coupled Axial and Transverse Currents Method for Periodic Superconductors Modelling	DULAR, Julien
10:00	[37] 2D FEM electro-magnetic modelling of straight soldered ReBCO stack cable in high magnetic field	SOTNIKOV, Dmitry

Session 3: Applications: C (11:00 - 11:40)

time	[id] title	presenter
11:00	[57] Predicting the behavior of insulated REBCO coils up to their operation limit to identify safe operation domain	Dr BADEL, arnaud
11:20	[20] High Temperature Superconducting Coating for the Beam Screen of the Future Circular Collider	TELLES, Guilherme