

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

Wednesday, 12 June 2024

Poster Session (10:40 - 12:10)

time	[id] title	presenter
10:40	[5] Study of a New Axial-Field Superconductor Inductor for a Synchronous Machine	Dr DOUAR, hakim
10:40	[46] Study on stability of high temperature superconducting magnet in fusion reactor under nuclear heat condition	ZHENG, Jinxing
10:40	[55] HTS superconducting magnetic energy storage (SMES) for waterborne applications	GIL BORONAT, Carlos
10:40	[54] 3D Modelling and Magnetization Losses in CORC-TSTC hybrid composite conductors	AL-SSALIH, Hasan
10:40	[13] Mechanical-electric behaviors of CORC cable under different deformation modes	Prof. GAO, Yuanwen
10:40	[53] Stress, strain and mechanical analyses of REBCO superconducting tapes using finite element method.	BENEDETTI, Luca
11:00	[43] Electromagnetic-mechanical simulation of screening current, field, strain, and voltage	BANG, JESEOK
11:00	[47] Research on the dynamic multi-heat load coupling calculation method for fusion superconducting magnets	LU, Yudong
11:00	[30] Magnetic field stability of a HTS insert large-scale prototype for a future 33 T CSM magnet	ZAMPA, Alexandre
11:00	[56] Homogenization of HTS Coils and Stacks Using the Foil Conductor Model	Mr PAAKKUNAINEN, Elias
11:20	[12] Holistic numerical simulation of a quenching process on a real-size multifilamentary superconducting coil	Prof. XUE, Cun
11:20	[36] Modeling an HTS Cable with a Superconducting Fault Current Limiter in MATLAB/SIMULINK for Integrating in Electric Aircraft	Mr KHONYA, Ali
11:20	[8] Modelling of Electrical, Magnetic and Thermal Issues for a Non-Insulated HTS-CCT Dipole Magnet	KANG, Rui
11:20	[9] Improvements of Partial Element Equivalent Circuit model of High-field HTS coils	JERANCE, Nikola
11:40	[33] Design, construction and test in SULTAN of high-current ReBCO racetrack coil	BYKOVSKIY, Nikolay
11:40	[42] The development of multi-scale method for simulating large-scale REBCO-based coils	WANG, Lei
11:40	[34] Understanding AC Losses in state-of-the-art superconducting cables: Physics Insights from 2D to 3D computational modelling	RUIZ, Harold
11:40	[14] Evaluation of techno-economic aspects of HTS HVAC Transmission Cables by Critical Current Grading Across Phases	FORNASIER, Gabriele

11:40	[48] 3-D modelling and experimental results of a sorted bulk staggered array undulator	ARSENAULT, Alexandre
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