

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

Tuesday 11 June 2024

Session 1: Coupled & Uncoupled Multiphysics Problems: A (08:45 - 09:45)

time	[id] title	presenter
08:45	[24] Numerical Considerations for Coupled Magneto-thermal FE Models of HTS Tapes	DENIS, Louis
09:15	[19] Voltage signals on terminations of an HTS magnet modelled in T-A formulation	GÖMÖRY, Fedor

Session 1: Coupled & Uncoupled Multiphysics Problems: B (10:15 - 12:00)

time	[id] title	presenter
10:15	[21] Modelling the behavior of HTS coils under overcurrent conditions	HAJIRI, Gabriel
10:35	[29] 3D thermal-hydraulic and electric modelling of quench propagation in HTS conductors for fusion	ZAPPATORE, Andrea
10:55	[49] Critical current numerical characterization of 6-layers CORC® cables	VIARENGO, Sofia
11:15	[40] The role of ferromagnet to prevent the flux-jump occurrence: a numerical study	FRACASSO, Michela
11:35	[38] Impact of porosity on trapped magnetic field and mechanical stresses in HTS bulks during PFM	GUIJOSA GUADARRAMA, Santiago

Session 1: Coupled & Uncoupled Multiphysics Problems: C (13:30 - 14:00)

time	[id] title	presenter
13:30	[25] Multi-physics modeling of metal-insulated REBCO magnets with screening currents	PARDO, Enric