# MT27, 27th International Conference on Magnet Technology

## Wednesday, 17 November 2021

**WED-PO2-718 Design and Analysis I (10:30 - 12:30)**

| [id] title | presenter | board |
| --- | --- | --- |
| **[990] Suspension characteristics Analysis on Three-degree-of-freedom Bearingless Switched Reluctance Motor** | WANG, Zixin | |
| **[462] Numerical Optimization of Electromagnet Current Distribution in Superconducting Linear Acceleration System** | TAKAYAMA, Teruou | |
| **[256] Screening current simulation of REBCO pancake coils considering coil deformation** | KURAUCHI, Thomas | |
| **[181] Dynamic magnetic hysteresis modeling based on improved parametric magneto-dynamic model** | CHEN, Long | |
| **[286] Electromagnetic Analysis of DTT Central Solenoid and Poloidal Field coils** | MESSINA, Giuseppe | |
| **[916] Analyses of Transient Electrical Behavior and Thermal Stability in No-Insulation REBCO Pancake Coils Using Electromagnetic-thermal Model** | Mr LIU, Quanyue | |
| **[709] A FEM/BEM scalar potential formulation for 3D nonlinear magnetostatic analysis in superconducting accelerator magnets, implemented in PITHIA-EM software** | Mr RODOPOULOS, Dimitris | |
| **[710] Nonlinear magnetic field analysis in superconducting accelerator magnets via a new FPM/BEM scheme, implemented in PITHIA-EM software** | Mr RODOPOULOS, Dimitris | |
| **[769] High-temperature superconducting cable optimization design software based on 2-D electromagnetic thermal analysis model** | LONG, Jiajie | |
| **[798] High-performance simulation of the magnetic field in superconducting magnets using domain decomposition algorithms in the Sparselizard open source FEM library** | HALBACH, Alexandre | |