

MT27, 27th International Conference on Magnet Technology



Monday, November 15, 2021 - Friday, November 19, 2021

Fukuoka Convention Center

Submission Categories (Tracks)

A: Magnets for Particle and Nuclear Physics

A01 Superconducting Accelerator Magnets

A02 Resistive Accelerator Magnets

A03 Wigglers, Undulators and Other Applications

A04 Fast cycling Accelerator Magnets

A05 Particle Detector Magnets

B: Magnets for Fusion

B01 Superconducting Magnets for Fusion

B02 Resistive Magnets for Fusion

C: Magnets for High-Field Facilities

C01 Superconducting and Hybrid High-Field Magnets

C02 Resistive and Pulsed High-Field Magnets

C03 HTS Insert and Model Magnets

D: Magnets for Medical, Biological, and Analytical Applications

D01 Magnets for NMR

D02 Magnets for MRI

D03 Magnets for other Medical and Biological Applications

E: Magnet Technology for Power, Energy, Transport, and other Applications

**E01 Superconducting Motors and Superconducting
Generators**

E02 Levitation and Magnetic Bearings

**E03 SMES, Superconducting Transformers and Fault Current
Limiters**

E04 Superconducting Bulk and Permanent Magnets

E05 Space, Novel, and Other Applications

F: Conductors and Materials for Magnets

F01 Low Tc Wires and Cables

F02 MgB₂ and Iron-based Wires and Cables

F03 REBCO Wires and Cables

F04 Other High Tc Wires and Cables

F05 Cable-in-Conduit and Other Internally Cooled Conductors

F06 Bulk Magnets

F07 Joints between Superconductors

F08 Current Leads, Links, and Bus bars

F09 Structural Materials for Magnets

F10 Electrical Insulation for Magnets

F11 Other Magnet Components for Magnets

G: Magnet Test, Analysis and Design Tools

G01 Quench Detection and Protection Systems

G02 Quench and Normal-Zone Behavior

G03 Stability of Conductors and Coils

G04 Losses in Conductors and Coils

G05 Magnetization and Field Quality

G06 Mechanical Behavior and Stress

G07 Multiphysics Design and Analysis

G08 Novel Diagnostics and other Techniques

G09 Small Test and Model Coils

G10 Conductor and Coil Test Facilities

H: Associated Technologies for Magnets

H01 Cryostats and Cryogenics

H02 Power Supplies and Flux Pumps

H03 Other Associated Technologies

