

# 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 MgB<sub>2</sub> 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**

