HTS4FUSION & MEM

5th HTS4Fusion Conductor Workshop — 10th MEM Mechanical and Electromagnetic Properties of Composite Superconductors

- Feb 01 2020 — Registration opens
- Mar 30 2020 — Abstract submission deadline
- Apr 09 2020 — Abstract notification
- Apr 16 2020 — Registration deadline
- May 10-13 2020 — MEM Workshop
- May 13-15 2020 — HTS4Fusion Workshop
- tbd — Manuscript submission deadline

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Germany
Karlsruhe Institute of Technology
Joint Workshop 10-15 May 2020
The MEM20 workshop is an opportunity to present recent progress and development of the mechanical and electromagnetic properties of LTS and HTS composite superconductors.

- LTS, MgB2, Fe based SC, BSCCO Wires and Tapes
- Electromechanical Characterization
- Electromagnetic Properties
- Microscopic Studies of Strain Effects
- Development of Coated Conductors
- Stress and Strain Measurement in Cables and Superconducting Devices
- Parametric Studies and Modelling of Strain Effects
- Microstructure, Properties and Sensitivity of HTS Tapes
- Joints (Superconducting & Resistive)
- High Field Magnets/MCI Coils Application
- Standardization Activities: VAMAS, Benchmarks

The "HTS4Fusion Conductor Workshop" focuses on High-Temperature Superconductor (HTS) application for fusion research, e.g. HTS conductors for fusion magnets.

- Large-Current Conductors for Fusion Magnets
- HTSCable Concepts
- Thermal Stability and Quench
- Mechanical and Electrical Stability
- Thermo-Hydraulics and Cooling
- AC Losses-Current Distribution and Shielding
- Modeling-Irradiation Effects
- Large-Current Conductor Test Facilities

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