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IEEE International Symposium on Applications of Ferroelectrics (ISAF)
International Conference on ElectroCeramics (ICE)
European Meeting on Ferroelectricity (EMF)
International Workshop on PiezoMEMS (IWPM)
Piezoresponse Force Microscopy Workshop (PFM)



Lausanne, Switzerland

Welcome to the **2019 ISAF-ICE-EMF-IWPM-PFM Joint Conference - F²CT²**. The conference will be held at the Swiss Tech Convention Center at EPFL, Lausanne, Switzerland from July 14 to 19, 2019. This international conference aims to bring together leaders from academia, national laboratories and industrial research and development sectors, to discuss the most recent advancements in the science and technology of ferroelectric, electroceramic, and dielectric materials, covering a broad range of fields from theory and modeling of the materials, via processing and characterization thereof, to the development of new applications and devices. With the integration of ICE and IWPM, strong symposia in solid state ionics and piezoelectric microsystems are joint with ISAF for the first time.

TOPICS

- Fundamentals of ferroelectrics and multi-ferroic materials: theory, modeling and experiments
- Low dimensional structures and interfaces: fundamentals, processing, and properties
- Piezoelectric single crystals, ceramics and thin films
- Advanced characterization of ferroelectric and electroceramic materials
- Novel materials for ferroelectric memories
- High dielectric constant materials for capacitor applications
- Dielectric and piezoelectric applications
- Advanced processing of electroceramic and ferroelectric materials
- Composites, nano composites, and organic functional materials
- Energy conversion materials (thermoelectric, electro-caloric, pyroelectric, piezoelectric, etc.) and their applications
- Charge transport and defects
- Solid Oxide Fuel cells: materials, processing, characterization, and devices
- Solid state batteries and capacitors for energy storage
- Magnetic oxides
- Piezoelectric MEMS