



CALL FOR PAPERS

ORGANIZERS

General Chair

Paul Muralt
EPFL, Switzerland

ISAF chair

Geoff Brennecke
Colorado School of Mines, USA

EMF chair

Paul Muralt
EPFL, Switzerland

ICE chair

Harry L. Tuller
Massachusetts Institute of Technology, USA

PFM chair

Neus Domingo
Catalan Institute of Nanoscience and
Nanotechnology, Spain

IWPM chair

Brady Gibbons
Oregon State University, USA

General Program Chair

Dragan Damjanovic
EPFL, Switzerland

ISAF Program Chair

Julia Glaum
Norwegian University of Science and Technology,
Norway

ISAF Program Co-Chair

Hiroshi Funakubo
Tokyo Institute of Technology, Japan

EMF Program Chair

Marin Alexe
University of Warwick, United Kingdom

EMF Program Co-Chairs

Beatriz Noheda
University of Groningen, The Netherlands

Andre Cano
Institut Néel, Grenoble, CNRS, France

Jens Kreisel
University of Luxembourg, Luxembourg

Mario Maglione
Institut de Chimie de la Matière Condensée de
Bordeaux CNRS, France

ICE Program Chair

Jennifer Rupp
Massachusetts Institute of Technology, USA

PFM Program Chair

Patrycja Paruch
University of Geneva, Switzerland

IWPM Program Chair

Isaku Kanno
Kobe University, Japan

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-FEM-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