



## IWPMA (International Workshop on Piezoelectric Materials and Applications in Actuators) 2019

Guest Editors:

**Dr. Mickaël Lallart**

**Prof. Dr. -Ing. Jorg Wallaschek**

**Prof. Dr. Ying Yang**

**Prof. Dr. Shashank Priya**

Deadline for manuscript  
submissions:

**closed (30 June 2020)**

### Message from the Guest Editors

The SI focuses on piezoelectric materials as well as their application in actuators and in sensing and energy harvesting systems. The topics cover but are not limited to the following items:

- Piezoelectric material synthesis and elaboration: ceramics, polymers, single crystals, lead-free materials, etc.;
- Manufacturing processes;
- Piezoelectric material characterization;
- Multiphysic coupling involving piezoelectric/flexoelectric effects: Magnetoelectrics, etc.;
- Piezoelectric material and device modeling;
- Multiferroic materials and systems;
- Composite sensors/actuators;
- Piezoelectric metamaterials and metastructures;
- MEMS devices (actuators and sensors);
- Solid state actuators;
- Ultrasonic and acoustic devices: Piezoelectric motors, welding/cutting tools, sonar, etc.;
- Piezoelectric transformers and power electronic devices;
- SAW filters;
- Smart structures and systems with actuators and sensors;
- Piezo-based structural health monitoring;
- Energy harvesting structures;
- Drive circuits for actuators/sensors;
- Electrical interfaces for energy harvesting





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## Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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