# **International Workshop on Piezoelectric Materials** and Applications in Actuators 2019 & ENHANCE Workshop







1-4 October 2019 Lyon, France



The objective of IWPMA 2019 is to gather researchers to a unique, successful international workshop to share their latest discovery in terms of piezoelectric materials and their application in actuators and more generally energy conversion devices, hence pioneering and shaping the future of piezoelectric materials and devices.

## Important dates

June, 14th 2019 Short abstract submission deadline June, 28th 2019 **Notification of acceptance Extended abstract submission deadline** August, 31st 2019 July, 31st 2019 Early bird registration deadline **Conference dates** Oct., 1st-4th 2019













Horizon 2020 European Union funding for Research & Innovation

### **Topics**



#### **MATERIALS**

- Piezoelectric material synthesis and
- Manufacturing processes
- Multiferroic materials and systems
- Composite sensors/actuators
- MEMS devices (actuators and sensors)

### MODELING AND CHARACTERIZATION

- Piezoelectric material characterization
- Piezoelectric material and device modeling
- Multi-physic coupling involving piezoelectric/flexoelectric effects



## **ACTUATORS**

- Solid State Actuators
- Ultrasonic and acoustic devices
- Piezoelectric transformers and power electronic devices
- Drive Circuits for Actuators/Sensors
- Integrated/Hybrid Systems

#### SENSING AND ENERGY HARVESTING



- Smart Structures and Systems
- Piezo-based Structural Health Monitoring
- Energy harvesting structures
- Electrical interfaces for energy harvesting
- Metamaterials and metastructures

#### Venue

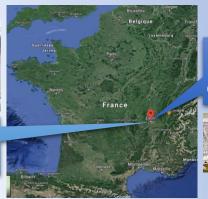
The conference will be held in

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