

## Special Issue

# IWPMA (International Workshop on Piezoelectric Materials and Applications in Actuators) 2020

### Message from the Guest Editors

The objective of IWPMA 2020 is to gather researchers in a unique and successful international workshop to share their latest discoveries in terms of piezoelectric materials and their application in actuators, and more generally, energy conversion devices, thus pioneering and shaping the future of piezoelectric materials and devices. The topics of the joint issue cover but are not limited to the following items: **Piezoelectric material and structures**

- Synthesis and elaboration: ceramics; Polymers, single crystals, lead-free materials; Multiferroic materials and systems; Piezoelectric metamaterials and metastructures; Manufacturing processes;

### Modeling and Characterization

- Multiphysics modeling involving piezoelectric/flexoelectric effects; Piezoelectric material and device modeling; Numerical methods; Experimental methods.

### Devices and Systems

- MEMS devices (actuators and sensors); Solid state actuators; Composite sensors/actuators; Ultrasonic and acoustic devices; Piezoelectric transformers; Piezo-based structural health monitoring; Energy harvesting structures; Drive circuits for piezoelectric devices; Electrical interfaces for energy harvesting.

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### Guest Editors

Prof. Dr. Jörg Wallaschek

Dr. Jens Twiefel

Dr. Yongke Yan

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### Deadline for manuscript submissions

closed (10 January 2022)



## Applied Sciences

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## About the Journal

### 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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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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