

# Call for Contributions

## Submission:

**1. Inform the Chair:** with the Title of your Contribution

**2. Submission URL:**

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=SENSORDEVICES+2017+Special>

Please select Track Preference as **PIEZOSA**

Special track

## **PIEZOSA: Piezoelectric Sensors and Actuators**

### **Chair and Coordinator**

Lei Mei, Ph.D., California Research Center, Agilent -Santa Clara, California, USA

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along with

**SENSORDEVICES 2017**, September 10 - 14, 2017 - Rome, Italy

The Eighth International Conference on Sensor Device Technologies and Applications

<http://www.iaria.org/conferences2017/SENSORDEVICES17.html>

Piezoelectric technology has played an important role in research and industry for many years and spreads a wide range of applications in consumer electronics, medical diagnosis, automotive industry, as well as information and telecommunications, owing to their high sensitivity, low cost, easy fabrication and compact structure. Meanwhile, piezoelectric composites have been conceptualized, fabricated, and implemented in the last 25 years. In addition to improvements in material research and analysis, developments in MEMS and other fabrication techniques began to motivate the use of piezoelectric materials as the most attractive functional materials for sensors and actuators in smart structures.

The aim of this special track is to bring together innovative research and applications of piezoelectric materials in sensors and actuators. There is special interest in papers concerning piezoelectric sensors and actuators which provide capabilities or characteristics that cannot be obtained using other approaches.

### **Topics include, but not limited to:**

- Sensors and actuators based on piezoelectric ceramic, polymer and ceramic/polymer composite devices
- Shear wave acoustic sensor, surface acoustic wave (SAW) sensor, quartz resonator
- Multiferroic and magnetoelectric (ME) composites
- Composite piezoelectric sensors
- Thin-film piezoelectric MEMS
- Piezoelectric sensors/actuators and related electronic interface
- Precise scanning devices based on piezoelectric actuators
- Sensor data fusion and signal processing
- Finite element modeling of piezoelectric sensors and actuators

### **Important Datelines**

- Inform the Chair: As soon as you decided to contribute
- Submission: August 2
- Notification: August 9

- Registration: August 16
- Camera ready: August 16

*Note: These deadlines are somewhat flexible, providing arrangements are made ahead of time with the chair.*

### **Contribution Types**

- Regular papers [in the proceedings, digital library]
- Short papers (work in progress) [in the proceedings, digital library]
- Posters: two pages [in the proceedings, digital library]
- Posters: slide only [slide-deck posted on [www.iaia.org](http://www.iaia.org)]
- Presentations: slide only [slide-deck posted on [www.iaia.org](http://www.iaia.org)]
- Demos: two pages [posted on [www.iaia.org](http://www.iaia.org)]

### **Paper Format**

- See: <http://www.iaia.org/format.html>
- Before submission, please check and comply with the editorial rules: <http://www.iaia.org/editorialrules.html>

### **Publications**

- Extended versions of selected papers will be published in IARIA Journals: <http://www.iaiajournals.org>
- Print proceedings will be available via Curran Associates, Inc.: <http://www.proceedings.com/9769.html>
- Articles will be archived in the free access ThinkMind Digital Library: <http://www.thinkmind.org>

### **Paper Submission**

<https://www.iaiasubmit.org/conferences/submit/newcontribution.php?event=SENSORDEVICES+2017+Special>

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### **Registration**

- Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in the proceedings.
- Registration fees are available at <http://www.iaia.org/registration.html>

### **Contacts**

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