

## 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+2018+Special>

Please select Track Preference as **MMSDSA**

Special track

## MMSDSA: Multiferroic and Magnetoelectric Sensors: Devices, Systems and Applications

### Chair and Coordinator

Lei Mei, Scientist, PhD, Agilent California Research Center, Santa Clara, USA

[lei.mei@agilent.com](mailto:lei.mei@agilent.com)

along with

**SENSORDEVICES 2018**, The Ninth International Conference on Sensor Device Technologies and Applications

September 16, 2018 to September 20, 2018 - Venice, Italy

<http://www.iaria.org/conferences2018/SENSORDEVICES18.html>

Multiferroic and magnetoelectric sensors have been widely studied and have led to important scientific and technological advances over the past decade. Ultra-sensitive magnetic sensors with compact size, low cost, and easy to use are of great interest to applications such as automobiles, motion sensing, geophysical detection, noninvasive medical imaging and diagnosis, etc.

This special track proposes to explore the research on development of different kinds of multiferroic and magnetoelectric sensors as well as this technology's use in medical and industry applications. Prospective authors are invited to submit original papers on various aspects of theoretical study and simulation of multiferroic materials and devices as well as system integration and applications of magnetoelectric sensors and other ultra-sensitive magnetic sensors.

### Topics include, but not limited to:

- Theory and modeling of multiferroic materials and devices
- Applications of multiferroic and magnetoelectric sensors
- Novel fabrication methods for bulk and MEMS magnetoelectric sensors
- Recent advances in magnetoelectric and other ultra-sensitive magnetic sensors
- Hardware/software design for magnetic sensing systems
- Hybrid magnetic sensing system and its applications

### Important Datelines

- Inform the Chair (see Contact below): As soon as you decided to contribute
- Submission: ~~June 1~~ **July 10**
- Notification: ~~July 2~~ **July 30**
- Registration: ~~July 16~~ **August 10**
- Camera ready: ~~July 22~~ **August 10**

### 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.iaria.org](http://www.iaria.org)]
- Presentations: slide only [slide-deck posted on [www.iaria.org](http://www.iaria.org)]
- Demos: two pages [posted on [www.iaria.org](http://www.iaria.org)]

### **Paper Format**

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

### **Publications**

- Extended versions of selected papers will be published in IARIA Journals: <http://www.iariajournals.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.iariasubmit.org/conferences/submit/newcontribution.php?event=SENSORDEVICES+2018+Special>

Please select Track Preference as **MMSDSA**

### **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.iaria.org/registration.html>

### **Contacts**

Chair: Lei Mei, [lei.mei@agilent.com](mailto:lei.mei@agilent.com)

SENSORDEVICES logistics: [steve@iaria.org](mailto:steve@iaria.org)