

# 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 **TSHS**

Special track

## **TSHS: Touch Sensing and Haptic Systems**

### **Chair and Coordinator**

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

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

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>

In the past decades, touch sensing and haptic systems are widely used in various areas of modern technologies, such as human interface devices (HID), virtual object simulation, remote medical surgery, etc. TSHS helps people to get a better understanding of the environment, and recover information about the world by ‘touching’ and ‘being touched’. Various types of smart materials have been investigated for sensor and haptic applications. Different kinds of touch sensors and actuators including MEMS devices have been developed for applications such as artificial muscles, biomimetic robots, wearable tactile devices, as well as Augmented Reality (AR) and Virtual Reality (VR) interfaces.

The scope of TSHS track includes advanced touch sensing techniques, smart materials to the creation of haptic systems (e.g., sensors, actuators), applications of touch sensors and haptics (e.g., touchpads, haptic stylus), also fabrication techniques and electronics for these systems.

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

- Smart and novel sensing materials
- Touch sensors and proximity sensors
- Electroactive polymers (EAPs) and elastomers
- Flexible actuators and sensors
- Sensors electronic interface
- Tactile display and haptic rendering
- Tactile data processing and interpretation
- Touch-based human-robot interaction
- Sensors for Augmented Reality (AR) and Virtual Reality (VR)

### **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>

Please select Track Preference as **TSHS**

### **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**

Lei Mei, Ph.D., California Research Center, Agilent -Santa Clara, California, USA [lei.mei@agilent.com](mailto:lei.mei@agilent.com)

SENSORDEVICES Logistics: [steve@iaia.org](mailto:steve@iaia.org)