

## Call for Contributions

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

**2. Submission URL:**

<https://www.ariasubmit.org/conferences/submit/newcontribution.php?event=ALLSENSORS+2020+Special>

Please select Track Preference as **INNOBIOR**

Special track

## **INNOBIOR: Innovative Sensors for Biomedical Applications and Robotics**

### **Chair and Coordinator**

Prof. Dr. Xavier Boddaert, Ecole Nationale Supérieure des Mines de Saint-Etienne, France

[boddaert@emse.fr](mailto:boddaert@emse.fr)

along with

### **ALLSENSORS 2020**

The Fifth International Conference on Advances in Sensors, Actuators, Metering and Sensing

<https://www.aria.org/conferences2020/ALLSENSORS20.html>

March 22, 2020 to March 26, 2020 - Barcelona, Spain

This special track deals with the fabrication, characterization, simulation and reliability of soft, flexible/stretchable sensors for robotics and biomedical applications.

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

- Sensors for robotics, human-machine interface including artificial skin
- Sensors for health monitoring, surgery and rehabilitation
- Textile based sensors for wearable applications
- Sensor principles: piezoresistive, piezoelectric, pyroelectric, resistive, capacitive, etc.
- Sensor types: pressure, strain, force, tactile, chemical sensing, etc.
- Materials: graphene, carbon nanotubes (CNT's), metallic nanoparticles and nanowires, PVDF & copolymers, PDMS nanocomposite, conductive polymers, etc.
- Fabrication techniques: direct printing, screen printing, etc.
- Substrates: elastomers, PET, Kapton, fabric, etc.

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

## **Important Datelines**

Inform the Chair: As soon as you decide to contribute

Submission: January 27, 2020

Notification: February 16, 2020

Registration: February 26, 2020

Camera ready: February 26, 2020

*Note: The submission deadline is somewhat flexible, providing arrangements are made ahead of time with the chair.*

## **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=ALLSENSORS+2020+Special>

Please select Track Preference as **INNOBIOR**

## **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>

## **Contact**

Chair: Xavier Boddaert, [boddaert@emse.fr](mailto:boddaert@emse.fr)

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