

Call for Contributions

Note: Onsite and Online Options

In order to accommodate a large number of situations, we are offering the option for either physical presence or virtual participation. We would be delighted if all authors manage to attend in person, but are aware that special circumstances are best handled by having flexible options.

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

2. Submission URL:

<https://www.iariasubmit.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

along with

ALLSENSORS 2020

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

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

November 21 - 25, 2020 - Valencia, 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.iaia.org]
- Presentations: slide only [slide-deck posted on www.iaia.org]
- Demos: two pages [posted on www.iaia.org]

Important Datelines

Inform the Chair: As soon as you decide to contribute

Submission: September 21

Notification: October 11

Registration: October 21

Camera-ready: October 21

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

Logistics: steve@iaia.org