

## Call for Contributions

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

**Submission URL:**

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

Please select Track Preference as **MagSensApps**

Special track

### **MagSensApps: Magnetic Sensors and Their Application**

Chair and Coordinator:

Prof. Dr. Càndid Reig, University of Valencia, Spain

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along with

ALLSENSORS 2017, March 19 - 23, 2017 - Nice, France

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

<http://www.iaria.org/conferences2017/ALLSENSORS17.html>

Magnetic sensors have been, for long, extensively utilized in a huge range of applications, such as compasses, electrical current measurements, encoders, tracking of metallic objects, etc. For each one of these classical applications, one can find an appropriate sensing principle, covering its particular demands. Nevertheless, with the current constrains associated with the novel technologies, new requirements are arising for magnetic field sensing, many of them related to low field detection, low power applications or high level of integration. In these new scenarios, novel approaches are demanded for complementing or spreading the range of application of classical sensors.

MagSensApps is proposed as a special track collecting recent advances in this field, including, but not limited to:

- Magnetic materials for magnetic sensors
- Miniaturized magnetic sensors, including MEMS (Microelectromechanical systems) and NEMS (Nanoelectromechanical systems)
- Integration
- Magneto-resistive sensors
- Fluxgate, search coil and magnetoelectric magnetometers
- Conditioning circuits for magnetic sensors
- Magnetic sensors and measurements for compasses and space research
- Magnetic biomedical applications including low field MRI and magnetic beads detection
- Magnetic sensors for industrial applications

### **Important Datelines**

- Inform the Chair: As soon as you decided to contribute
- Submission: ~~January 15~~ **February 10**
- Notification with comments for camera-ready: ~~February 5~~ **February 20**
- Registration: ~~February 20~~ **March 1**
- Camera ready: ~~February 25~~ **March 1**

## **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=ALLSENSORS+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>

## **Contact**

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