

## Call for Contributions for

### Submission:

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

2. **Submission URL:**

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=SENSORDEVICES+2019+Special>

Please select Track Preference as **AMaSeMa**

Special track

## **AMaSeMa: Advances in Magnetic Sensors, Materials and Applications**

### **Chair and Coordinator**

Prof. Arcady Zhukov, Doctor of Sciences, Department Materials Physics, Faculty of Chemistry, Univ. Basque Country (UPV/EHU), 20018 San Sebastian, and IKERBASQUE, Basque Foundation for Science, 48011 Bilbao, Spain

[arkadi.joukov@ehu.es](mailto:arkadi.joukov@ehu.es)

along with

### **SENSORDEVICES 2019**

The Tenth International Conference on Sensor Device Technologies and Applications

<http://www.iaria.org/conferences2019/SENSORDEVICES19.html>

October 27, 2019 to October 31, 2019 - Nice, France

Magnetic sensors and actuators have recently attracted great attention from academia and industry due to a plenty of exciting applications including electronic surveillance, electrical engineering, medicine, informatics, magnetic recording, construction monitoring, automobile and aircraft industries among others. Recent trends in magnetic sensorics are focused on miniaturization, improvement of features and finding of new operating principles based on fundamental studies of new materials and phenomena.

This special track will focus on the last developments, latest research findings, ideas on highly sensitive magnetic devices and applications, magnetic sensing technology, on basic phenomena and fundamental aspects of magnetic materials suitable for magnetic sensors, actuators and applications as well as on wireless non-destructive control and monitoring, wearable electronics and medicine involving magnetic sensorics.

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

- Magnetic Sensors and actuators including, Hall-effect devices, magnetometers, magnetoimpedance sensors, magnetoresistance sensors, magnetoelastic sensors;
- Novel magnetic materials for sensor and actuator applications and their advanced processing;
- Fundamentals and physics involving basic effects, theory, modeling of magnetic sensors;
- Magnetic measurements & instrumentation, measurement standards;
- Smart materials and composites for wireless and non-destructive control including tuneable metamaterials;
- Development of magnetic sensors applications including biomedicine, electronic surveillance, electrical engineering, informatics, magnetic recording, construction monitoring, automobile and aircraft industries among others applications

### **Important Datelines**

Inform the Chair: As soon as you decide to contribute

Submission: August 31  
Notification: September 20  
Registration: September 30  
Camera-ready: September 30

### **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> [both LaTeX and .doc templates]
- Before submission, please check and comply with the editorial rules: <http://www.iaia.org/editorialrules.html>
- More information on camera ready preparations will be posted after the paper notifications are sent out.

### **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+2019+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>

### **Contacts**

Arcady Zhukov: [arkadi.joukov@ehu.es](mailto:arkadi.joukov@ehu.es)

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

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