

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.

Submission:

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

2. Submission URL:

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

Please select Track Preference as **MagSeMA**

Special track

MagSeMA: 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

along with

SENSORDEVICES 2020

The Eleventh International Conference on Sensor Device Technologies and Applications
November 21, 2020 to November 25, 2020 - Valencia, Spain

<http://www.iaria.org/conferences2020/SENSORDEVICES20.html>

Magnetic sensors and actuators are playing an increasingly important role in most of industries, such as electrical engineering, medicine, computer science, construction monitoring, electronic surveillance, automotive or aviation industries. It is expected that the global market for magnetic sensors and actuators will grow due to the high demand from the rapidly growing industries mentioned above. Therefore, the development of high-performance sensors and actuators adapted to the requirements of the industries attract increasing attention of researching and engineers working in the sensorics.

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.

Authors are invited to submit complete unpublished papers, which are not under review in any other conference or journal in the following, but not limited to: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 (see Contact below): As soon as you decided to contribute
- Submission: Sep 21, 2020
- Notification: Oct 11, 2020
- Registration: October 21, 2020
- Camera-ready: October 21, 2020

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.iaria.org]
- Presentations: slide only [slide-deck posted on www.iaria.org]
- Demos: two pages [posted on www.iaria.org]

Paper Format

- See: <http://www.iaria.org/format.html>
- Before submission, please check and comply with the editorial rules: <http://www.iaria.org/editorialrules.html>

Publications

- Extended versions of selected papers will be published in IARIA Journals: <http://www.iariajournals.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.iariasubmit.org/conferences/submit/newcontribution.php?event=SENSORDEVICES+2020+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.iaria.org/registration.html>

Contacts

Chair

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