

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 **AALMAS**

Special track

AALMAS: Ambient Assisted Living Systems and Medical Applications using Sensors

Chair and Coordinator

Dr. Ivan Miguel Serrano Pires

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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>

There are a lot of improvements that the technological equipment may held in the medical systems, including the creation of intelligent systems for the treatment, diagnosis and prevention of several healthcare problems. The intelligent systems are currently growing in the surgery area. These systems should have medical regulations during their development for their acceptability in the market. The mobile devices or other specific devices can be connected to the hospital systems, improving the monitoring of the patients.

Several health-related problems can be monitored, treated and minimized with the use of technological equipment. The presented system and ideas can be use the sensors available in the mobile devices, other sensors available in smart environments and sensors used with other equipments. The current evolutions in this topic will be very useful for the treatment of different diseases.

This special track is focused in the presentation of state-of-the-art, ongoing projects, conceptual definition of devices, systems, services and sensor-based advanced healthcare initiatives.

Authors are invited to submit complete unpublished papers, which are not under review in any other conference or journal in the following, but not limited to:

- Assistive technology and adaptive sensing systems
- Diagnosis and treatment with mobile sensing systems
- Healthcare self-management devices/systems
- mHealth, eHealth and telemedicine devices/systems
- Body-wearied/implemented sensing devices
- Sensing medical vital-metrics
- Sensing for persons with limited capabilities
- Motion and path tracking medical devices/systems

- Artificial intelligence with sensing data
- Virtual and augmented reality in medical systems
- Mobile systems usability and accessibility
- Medical regulations in mobile systems
- Medical regulations and privacy

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.iaia.org]
- Presentations: slide only [slide-deck posted on www.iaia.org]
- Demos: two pages [posted on 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=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.iaia.org/registration.html>

Contacts

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SENSORDEVICES logistics: steve@iaia.org