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
University of Beira Interior - Covilhã, Portugal, and Polytechnic Institute of Viseu - Viseu, Portugal
impires@it.ubi.pt

along with

SENSORDEVICES 2020, The Eleventh International Conference on Sensor Device Technologies and Applications
November 15, 2020 to November 19, 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Authors are invited to submit complete unpublished papers, which are not under review in any other conference or journal in the following, but not limited to: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
- mHeath, eHeath and telemedicine devices/systems
- Body-wereared/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.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](http://www.iaria.org/format.html)
- Before submission, please check and comply with the editorial rules: [http://www.iaria.org/editorialrules.html](http://www.iaria.org/editorialrules.html)

**Publications**
- Extended versions of selected papers will be published in IARIA Journals: [http://www.iariajournals.org](http://www.iariajournals.org)
- Print proceedings will be available via Curran Associates, Inc.: [http://www.proceedings.com/9769.html](http://www.proceedings.com/9769.html)
- Articles will be archived in the free access ThinkMind Digital Library: [http://www.thinkmind.org](http://www.thinkmind.org)

**Paper Submission**
Please select Track Preference as **AALMAS**

**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](http://www.iaria.org/registration.html)

**Contacts**
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