



Call for Contributions

1. Inform the Chair

2. Submission URL:

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=SENSORDEVICES+2022+Special>

Please select Track Preference as **WTM**

3. Note: *For 2022, all events will be held in a hybrid mode: on site or virtual choices (live, prerecorded videos, voiced presentation slides, and .pdf slides). We hope for better times allowing us to return to the traditional on site scientific events. However, we are ready to adapt any which way the conditions dictate.*

Special track

WTM - Wearable Technology: New Trends in Human Health Monitoring

Chair

Assist. Prof. Dr. Nicola Carbonaro
Research Center “E.Piaggio” and Department of Information Engineering,
School of Engineering, University of Pisa, Italy
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along with

SENSORDEVICES 2022, The Thirteenth International Conference on Sensor Device Technologies and Applications

<https://www.iaria.org/conferences2022/SENSORDEVICES22.html>

October 16 - 20, 2022 - Lisbon, Portugal

Long-term monitoring of biomedical parameters is one of the main objectives for the development of new models of prevention, treatment, and diagnosis of the main diseases affecting the health of the general population.

Wearable technology, with its recent developments, allows the development of devices capable of adapting to the deformable nature of the human body thanks to ever smaller, lighter and more flexible systems that allow them to be integrated into everyday objects, like t-shirts, glasses, shoes, or watches.

Examples of this technology are sensorized textile and flexible devices that can be used for monitoring the user's biomedical parameters or for treating patients (physiological detection, human movement analysis, electrical stimulation, home rehabilitation, biofeedback).

The purpose of this special session is to connect researchers in the field of wearable technology for monitoring user health, share ideas, conceptual approaches and recent advances in this field to outline possible innovative solutions, new paradigms and emerging problems.

Topics include, but not limited to

- Flexible sensors and devices
- Stretchable sensor and devices
- e-textiles
- Biofeedback
- Bioelectrodes and bioelectronics
- Wearable biomedical sensors
- Physiological sensing
- Ambulatory human motion/activity monitoring
- Data processing and data fusion
- Integration of soft and conventional technologies

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

Important Datelines

Inform the Chair or Coordinator: As soon as you decide to contribute

Submission: Sept 2

Notification: Sept 18

Registration: Sept 28

Camera-ready: Sept 28

Note: The submission deadline is somewhat flexible, providing arrangements are made ahead of time with the chair.

Paper Format

- See: <http://www.aria.org/format.html>

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

Publications

- Extended versions of selected papers will be published in IARIA Journals: <http://www.ariajournals.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.ariasubmit.org/conferences/submit/newcontribution.php?event=SENSORDEVICES+2022+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.aria.org/registration.html>

Contact

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