

Call for Contributions

1. Inform the Chair

2. Submission URL:

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=ALLSENSORS+2024+Special>

Please select Track Preference as **STAAS**

3. Note: *For 2024, 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

STAAS: Advanced Sensors and Actuators for Agriculture and Knowledge in Engineering

Chair

Prof. Dr. Paulo E. Cruvinel

Brazilian Corporation for Agricultural Research (Embrapa)..

Federal University of São Carlos (UFSCar) - Post Graduation Programme in Computer Institute for Advanced Studies of São Paulo State University (USP).

email: paulo.cruvinel@embrapa.br

along with

ALLSENSORS 2024: The Ninth International Conference on Advances in Sensors, Actuators, Metering and Sensing

<https://www.iaria.org/conferences2024/ALLSENSORS24.html>

May 26 - 30, 2024 - Barcelona, Spain

The evolution of sensors and actuators for agriculture applications have been supporting the global production of food, fibers, and energy. Nowadays sensors and actuators are becoming to be more reliable, accurate, controllable, as well as customized, including opportunities to be affordable and compatible to Internet-of-Things (IoT) and Artificial Intelligence (AI) operability.

However, despite the advances that have already occurred, there still have a significant window of opportunities for research, development and innovation.

Besides, for such developments, one may find unexplored solutions that can only be arrived upon collaborative research, adding expertise, coming together in interdisciplinary approaches.

This special track is intended to bring together researchers, entrepreneurs, practitioners and domain experts, sharing solutions for problem solving by sensors, actuators, instrumentation, signal processing, computing and multi-criteria measurement, to address the challenges in needs engineering for food and energy production.

In fact, it will provide a unique forum for discussion on integrated frameworks considering agricultural sensors, actuators, business ontologies, IoT understanding, value-based process technologies, embedded architectures, machine learning, deep learning, AI-soft sensors based and all related systems.

Topics include, but not limited to :

- Sensors, signal and image processing
- Actuators in control process
- Innovation in modeling, simulation, and emulation
- Interoperability
- Internet of things
- Big data analysis, architectures and infrastructures
- Machine learning and deep learning applied to sensors and actuators data analysis
- AI-soft sensors-driven applications
- Competence transdisciplinary measurement
- Social business
- Fields of interest
 - Agriculture
 - Business
 - Economy
 - Engineering
 - Humanity
 - Manufacturing
 - Science
 - Silage and grain storage

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]

Important Datelines

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

Submission: April 10

Notification: April 28

Registration: May 8

Camera-ready: May 8

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

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.ariasubmit.org/conferences/submit/newcontribution.php?event=ALLSENSORS+2024+Special>

Please select Track Preference as **STAAS**

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

Chair: Paulo E. Cruvinel, paulo.cruvinel@embrapa.br

Logistics (Steve McGuire): steve@aria.org