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Otranto (LE), Italy
June 13 -14, 2019



8th IEEE International Workshop on Advances in Sensors and Interfaces

Call for Papers

The IEEE International Workshop on Advances in Sensors and Interfaces (IWASI) is a premier bi-annual workshop on sensors and sensor interfaces that for 16 years has presented advances and disruptive solutions in the fields of software, architecture, design, manufacturing and materials for sensors and integrated circuits.

The 8th edition of the IEEE IWASI focuses on modelling, analysis, design and development of embedded cyber-physical systems, sensors and actuators for personalized medicine and healthcare applications, machine learning for low power embedded systems and smart sensing applications, high-energy physics, chemical sensing, autonomous sensors and interfaces, hard- and software co-design for security and cryptography, cybersecurity, autonomous driving and security for airplanes and trains.

Topics

Papers are solicited in – but are not limited to - the following topics:

- Sensors and actuators for personalized medicine and healthcare applications
- Brain Computer Interfaces: from algorithm to the implementation
- Novel systems, sensing and communication technologies for the IoT
- Energy efficient Internet of Things
- Networked sensors and actuators for the smart city
- Cybersecurity
- Robotics and sensors for Industry 4.0
- Smart sensors and devices for Artificial Intelligence
- High-energy physics
- Hard- and software co-design for security and cryptography
- Ultra-low power communication and wake-up radio devices for sensor networks
- Biochemical sensors, labs on a chip, multi-electrode arrays and their interfaces
- Sensor interfaces: analog and digital sensor data processing architectures and ICs
- Localization techniques on low-power radio communication technologies
- Printed, flexible, biodegradable and biocompatible sensors and interfaces
- New materials and new technologies for sensors, including 1D and 2D materials
- Wearable and wireless sensor networks
- Label-Free sensors for biomedical and environmental monitoring

Accepted papers will be included in the workshop proceedings and available on IEEE Xplore.

Paper Submission	Author Notification	Camera-Ready
April 8, 2019 April 15, 2019	April 29, 2019	May 15, 2019

Submissions

Papers must be submitted in PDF format following the IEEE template. They must be double column and should not exceed **six A4 pages**. Manuscript guidelines and authors instructions are available on the conference web site.

Selected papers will be invited to submit an extended version for publication in prestigious IEEE journal.

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