



METROIND4.0&IoT

CALL FOR PAPERS

 for the Special Session on

SENSORS IN SMART OBJECTS FOR IoT DEVICES IN INDUSTRY 4.0

ORGANIZERS



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ABSTRACT

Industry 4.0 is radically transforming production processes and systems with the adoption of enabling technologies, such as Internet of Things (IoT), Big Data, Additive Manufacturing (AM), and Cloud Computing. In this context, sensors are fundamental to extract information about production, spare parts, equipment health and environmental conditions necessary for improving many aspects of industrial processes (flexibility, efficiency, costs, etc.). Sensors should be placed everywhere inside the factory as well on machines, smart devices, objects and tools to monitor in real-time physical quantities such as temperature, vibrations, deformation that affect the production. Printed electronics offers techniques for the production of unconventional sensors and systems or for making conventional objects "smart".

IMPORTANT DATES

- March 1, 2021**
Extended Abstract Submission
- March 28, 2021**
Acceptance Notification
- April 30, 2021**
Final Paper Upload Deadline

CONTACTS



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TOPICS

Accordingly, this special session encourages submissions about sensors integrated on objects by additive manufacturing technologies (screen printing, inkjet printing, aerosol jet printing, etc.) for applications Industry 4.0. Topics include (but are not limited to):

- Sensors for smart objects and Industrial Internet of Things;
- Innovative fabrication methods for sensors directly on objects;
- Metrological characterization of sensors for industrial applications;
- Multi-sensor architectures for industrial smart objects;
- Signal processing for sensors and smart objects;
- Measuring and monitoring systems for smart objects and smart devices.

Visit the conference website as well as Facebook page for each specific call and additional news.

