

2019 IEEE INTERNATIONAL WORKSHOP ON Metrology for Industry 4.0 and IoT

NAPLES, ITALY | JUNE 4 - 6, 2019



CALL FOR PAPERS for the Special Session on

INNOVATIVE FABRICATION TECHNOLOGIES FOR SENSORS AND IOT DEVICES

ABSTRACT

Innovative fabrication technologies such as printed electronics and/or additive manufacturing represent a growing market. In the future, a high demand for sensors and IoT devices integrated on any object with arbitrary size and shape is envisaged. In this regard, new fabrication technologies are a viable solution for the design and fabrication of new sensors and IoT devices on several substrates in different objects. Printed sensors and printed electronics are adopted in many applications in the fields of Wearable devices, Industry 4.0 and IoT, from human-machine interfaces to the monitoring of physical and chemical quantities. These sensors and devices benefit from the latest materials and technologies enabling the possibility of obtaining an integration of sensors and electronics for the development of new measurement methods and apparatus.

Accordingly, this special session focuses on innovative fabrication technologies that can permit to fabricate physical, chemical, biological, etc., sensors on 2D or 3D substrates or design and fabricate IoT devices integrated in objects such as additive manufacturing, screen printing, inkjet printing, aerosol jet printing, etc.

Papers reporting works about innovative fabrication technologies, additive manufacturing, printed sensors applications, printing technologies, smart sensor devices, sensor fabrication/printing and testing for industrial, biomedical or other fields are invited.

TOPICS

Submissions are welcomed on (but not limited to):

- Innovative fabrication technologies
- Printed sensor applications
- Flexible/stretchable electronics
- Printed sensor system
- Additive manufacturing
- Screen printing
- Inkjet printing
- Aerosol jet printing
- Hybrid printed electronics
- Wearable devices
- Integrated IoT devices

MORE INFORMATION

- www.metroind40iot.org
- info@metroind40iot.org
- www.metroind40iot.org/special-session-5

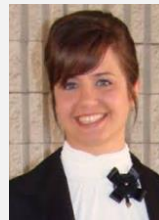
NAPLES

Naples is a city on the sea, a place full of light yet with dark, hidden foundations. It has a great cultural and artistic identity which is stamped on the brow of its many museums, castles, churches, squares, narrow streets and archaeological remains. Naples is noted for its rich history, art, culture and gastronomy and, in the modern day, the historic centre of the city is listed by UNESCO as a World Heritage Site.

ORGANIZERS



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