

# 3<sup>rd</sup> Joint Workshop

## ELECTRONICS FOR SENSORS & BIOMEDICAL APPLICATION TECHNOLOGIES



**Catanzaro (\*)**  
**Università Magna Graecia**

**October 6, 2020**

This workshop is the 3rd joint edition of “Electronics for Sensors” and “Biomedical Applications Technologies & Sensors” workshops, whose previous editions have been held in 2018 and 2019 at Univ. Campus Bio-Medico di Roma and Univ. Magna Graecia Catanzaro, respectively.

### Tentative program schedule

**9 am - Opening and institutional welcome**

**9.15 am - Workshop presentation (Giuseppe Ferri, Antonino S. Fiorillo)**

**9.30 am - Keynote lectures**

E. Schena - Wearable systems for continuous monitoring of physiological parameters

M. Valle - Innovative ICT systems to restore the sense of touch in patients with sensory deficit

M. Santonico - A collection of sensor strategies for ubiquitous individual monitoring

A.S. Fiorillo - Triboelectric sensor on flexible electronics for cardiovascular risk assessment

G. Ferri - Current-mode electronic interfaces for sensor applications

**11.15 am - Coffee break**

P. Candeloro - Development of SERS nanostructures for biosensing

I. Rendina - Integrated nanophotonic biosensors

D. Caputo - Optoelectronic platform based on thin film technology for biomolecular analysis

E. Cardillo - Biomedical applications of Microwave and Millimeter-Wave radars

D. De Venuto - RFID transceiver for wireless powering brain implanted microelectrodes and backscattered neural data collection

**1 pm - Lunch**

**2 pm - Panel discussion (Sensors during COVID-19)**

**3 pm - Young researchers and PhD students live virtual presentations, on electronic sensors for biomedical applications, using an on-line platform (\*\*)**

**4.30 pm - Best presentation award sponsored by IEEE Sensors Council Italy Chapter**

**5 pm - Conclusion**



(\*) The workshop could be held as telematic if necessary

(\*\*) A 15-min pre-recorded MP4 presentation, as a voice over slide show, should be uploaded after preliminary e-mail to be sent to the organizers (giuseppe.ferri@univaq.it, nino@unicz.it) before September 20, 2020, for a preliminary selection. Presenters should be registered as IEEE (student) members for 2020 year.