

3rd Joint Workshop

ELECTRONICS FOR SENSORS & BIOMEDICAL APPLICATIONS TECHNOLOGIES & SENSORS



On-line Workshop ()*
Università Magna Graecia - Catanzaro

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.

9 am - Opening and institutional welcome (Giovambattista De Sarro, Rector of Università Magna Graecia)

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



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