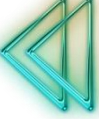


2016 IEEE International Symposium on

MeMeA

**Medical
Measurements
and Applications**
**MAY 16 - 18, 2016
BENEVENTO ITALY**
2006 - 2016 : Back to Benevento


CALL FOR PAPERS

FOR THE SPECIAL SESSION

Sensors and Electronic Interfaces for Medical Devices



ABSTRACT

The rapid advancements in integrated circuit technology and sensing techniques have made the widespread use of sensor instruments possible in different fields of modern biomedical engineering, as application in health science, clinical and experimental medicine, pharmacology and proteomics, including (but are not limited to) system control, measurement and monitoring devices, and micro and nanotechnology. Sensor technology incorporating bio-signal processing circuits has been receiving growing interest from scientists and engineers in recent years as new and promising developments have been made. The high degree of miniaturization of many classic measurement techniques has led to the realization of complex analytical systems including integrated sensors as in lab-on-a-chip. This new class of sensors extensively contributes to a broad range of activities with widespread applications including biology and medicine. The purpose of this special session is to provide opportunities to address ongoing research activities in the design of transducers and the associated electronic interfaces required for sensing systems of medical devices.

All the papers reporting about research related to the above-mentioned topics are welcome.

CHAIR



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Salvatore A. Pullano (S'10–GS'13–M'14) received the B. S. and M. S. degrees in electronic engineering from the University of Calabria, Italy, and the Ph. D. degree in biomedical engineering and computer science from the University of Magna Graecia in Catanzaro, Italy. Currently, he is a Post-Doctoral Fellow in the Department of Health Sciences at the University of Magna Graecia of Catanzaro, Italy. From 2012 to 2013, he was a visiting scholar in the Department of Electrical Engineering and Computer Science at the University of Tennessee, in Knoxville, USA. His research interests include the design of pyroelectric and piezoelectric sensors, electronic systems for biomedical data acquisition and electrical brain stimulation. He is also involved in scientific projects and interdisciplinary activities in molecular nanotechnology. He was a recipient of the fellowship for the 12th NSF International Summer School on Biocomplexity and Biodesign and received the award for "innovative design idea for young university" during 19th International Conference on Condensed Matters and Nuclear Science. He is a member of the Italian Group of Electronics (AIGE) and serves as Junior Associate Editor of the IEEE Journal of Translational Engineering in Health and Medicine.

BENEVENTO

Benevento, due to the Santa Sofia's Church with its Cloister, has been part of UNESCO World Heritage Sites as "Longobards in Italy. Places of the power".



MORE INFO

For further information, please visit MeMeA2016 website at



memea2016.ieee-ims.org

TOPICS

Paper submissions on all areas of Sensors, Electronic Interfaces and Circuits Techniques for Biomedical Devices are welcome.

Topics of interest include but are not limited to:

- Design of transducers for biomedical applications
- Biosensor devices
- Bio-electronic interfaces
- Bio-inspired systems
- Circuits techniques and Signal transduction processing

DATES

- **January 17, 2016** - Submission of Final Paper (5-6 pages) - first version
- **March 10, 2016** - Submission of revised Final Paper
- **April 4, 2016** - Final Submission, Registration

SUBMISSION

Prospective authors must electronically submit a final paper (5-6 pages, including figures) by January 10, 2016, by pointing out the related Special Session.

All papers will receive multiple peer reviews; authors will receive timely notification of paper acceptance. If accepted, final papers must be no more than 6 pages and will be submitted electronically.

Papers must be presented at the conference orally by an author, will appear in the final conference proceedings, and will be indexed in the Scopus citation index.