

2016 IEEE International Symposium on

MeMeA

Medical
Measurements
and Applications

BENEVENTO | ITALY
MAY 16 - 18, 2016



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CALL FOR PAPERS FOR THE SPECIAL SESSION

COMPUTATIONAL AND EXPERIMENTAL METHODS IN BIOMECHANICS

ABSTRACT

Biomechanics is a discipline that studies the mechanics of the biological systems, including human beings. In recent years many researchers proposed theoretical and experimental studies in this field, with the aim of providing useful information for the prevention and the cure of several diseases, and for the understanding of the basic mechanisms of biological processes. The collaborations between doctors, engineers, biologists, physician and mathematicians are becoming stronger and stronger and the multidisciplinary nature of biomechanical and biomedical sciences cannot be disregarded any longer. The purpose of the special session is to gather the experiences of the researchers working in this area and interested in sharing their results. Papers are solicited in the following and related areas: bio-imaging and visualization, mechanobiology, punctual and full-field methods in experimental biomechanics, tissue engineering, mechanical and functional modelling of biomaterials, micro- and nano-biotechnology. All the papers reporting about research related to the above-mentioned topics are welcome.

TOPICS

Paper submissions on all areas of the biomechanical and biomedical measurements are welcome. Topics of interest include but are not limited to:

- Bio-imaging and visualization
- Mechanobiology
- Punctual and full-field methods in experimental biomechanics
- Tissue engineering
- Mechanical and functional modelling of biomaterials
- Micro- and nano-biotechnology

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

ORGANIZER


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LUIGI BRUNO is Associate Professor at the Department of Mechanical, Energy and Management Engineering of the University of Calabria. He received his Diploma (M.Sc.) and his Doctorate (Ph.D.) in Mechanical Engineering in 1999 and 2003, respectively. He was visiting professor at the Department of Mechanical Engineering of the Indian Institute of Technology of Gandhinagar (India) and at the Department of Ophthalmology of the University of Alabama at Birmingham (USA). He is Associate Editor of the journal Optics and Lasers in Engineering. His research interests include mechanical characterization, composite materials, speckle metrology, digital image correlation, image processing, ocular biomechanics.

MORE INFORMATION

For further information, please visit MeMeA2016 website at

 memea2016.ieee-ims.org

CONTACT

 memea2016.ieee-ims.org/contact

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".

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.