

# IEEE 6th International Symposium on Medical Measurement and Applications



## MeMeA 2011

## CALL FOR PAPERS

30-31 May 2011 – Bari, Italy



MeMeA 2011 will be the 6th edition of a successful international scientific events: MeMeA 2010 Ottawa-Canada, MeMeA 2009 Cetraro (CS)-Italy, MeMeA 2008 Ottawa-Canada, MeMeA 2007 Warsaw-Poland, and MeMeA 2006 Benevento-Italy. Due to the success and wide attendance of the previous events, this edition is organized as a Symposium.

The edition 2011 of the MeMeA symposium will be made in the beautiful town of Bari, splendid Italian crossroads between culture, technology, science and landscape. The goal of this edition is to present novel solutions to instrumentation and measurement problems encountered in modern health care, under both the technological and the medical point of view. In order to favorite the discussion and the exchange of experience among the researchers, the manufactures of medical measurement instruments and final users such as medical researchers and doctors, the MeMeA 2011 symposium will include a special track focused on “New trends of diagnostics in Medicine”.

### SYMPOSIUM TOPICS INCLUDE:

- Sensors for medical systems / Sensor fusion and calibration
- Biosignal processing
- Imaging and communication
- Measurement and quality control in medical preparations
- Standards for medical applications
- Embedded systems
- Environmental Medicine
- Home automation for disability, injury, disease or old age
- Bioengineering and rehabilitation
- Biomedical robotic methods / Robot-mediated motor therapy
- Ecological model of measurement in medical applications
- Monitoring rehabilitation and accelerometry
- IT in Medicine
- Patient safety / Medical and instrumentation errors

We would also like that attending people consider arranging Special Sessions on topics of interest. We are now providing ECM (Continuing Education in Medicine) accreditation of the Symposium, in accordance with the requirements of the Italian Ministry of Health. For more information please visit the conference web site <http://www.memea.ieee-ims.org>

### SUBMISSION:

Authors (engineers, doctors, pharmaceutical technicians, bio-engineering researchers) are invited to submit extended abstracts (4 pages) or draft papers reporting original research of theoretical or applied nature using on-line submission system. It must be prepared in English, according to the preparation guidelines available at the MeMeA 2011 website.

### Organized by:

Polytechnic of Bari - Engineering Faculties  
University of Bari - Faculty of Medicine  
University of Foggia - Faculty of Medicine  
DEE – Dept. of Electrotechnics and Electron.  
DIASS - Department of Environmental  
Engineering and Sustainable Development  
Dept. of Medical Sciences and Labor, Foggia  
ASL Benevento 1 – Apulia Region  
Province of Bari – City of Bari  
Foundation Cassa di Risparmio di Puglia  
AIFI - Associazione Italiana Fisioterapisti

### Provisionary Important deadlines

January 31, 2011

submission of extended abstracts

March 2, 2011

notification of acceptance or rejection

April 1, 2011

submission of camera-ready full-text papers

The pharmaceutical houses, the producers of equipment and biomedical instrumentation, the builders of electronic measurement instrumentation are encouraged to prepare and present their products at the exhibition area arranged in the symposium site, by on-line sending the letter to visit the web site, by the date of October 15, 2010.

### SPECIAL ISSUE OF IEEE TRANSACTION ON INSTRUMENTATION AND MEASUREMENT:

The Special Issue of IEEE Transactions on Instrumentation and Measurement (TIM) on MeMeA 2011 will be published. It will contain papers selected on the basis of the results of regular peer review of the manuscripts. Each manuscript should meet the scope of the TIM and be based on a paper published in the symposium proceedings and presented. However, the manuscript must be significantly extended beyond the scope of the proceedings paper in terms of the overall technical content and research results.