



2006 - 2016 : Back to Benevento

CALL FOR PAPERS FOR THE SPECIAL SESSION

Measurements for Rehabilitation and Home Care Assistance

ABSTRACT

It is worth to underline that Electronic Measurements play a fundamental role in Rehabilitation and Home Care Assistance; all modern sensor technologies (from the basic piezo-resistive to more advanced MEMS and optical), as well as basic and advanced signal conditioning and processing techniques, are often employed in Rehabilitation Systems both by highly trained personnel of specialized rehab hospitals and clinics as well as by nurses or the under-care subject itself.

Also, the recent widespread diffusion of low-cost and high-performance PDAs (Personal Digital Assistants) as well as Windows®- and/or Android-based tablets has opened new interesting scenarios for Home Care Assistance.

The main aim of this Special Session is to offer to specialized Companies, Technicians and Researchers in the above-mentioned areas as well as to Rehabilitation Specialists a meeting opportunity to expose their contribution to this broad research and application area.

CHAIRS



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Anna M. L. Lanzolla has received the M.S. degree in Electronic Engineering and the Ph.D. in Electric Engineering from the Polytechnic of Bari, in 1995 and 1999 respectively. She is presently an Assistant Professor with the Department of Electrical and Information Engineering. Since 1995 she has worked on research projects in the field of digital signal processing for measurements with the Polytechnic of Bari. Her research interests are in the field of electric and electronic measurement on devices and systems, modeling techniques for monitoring and controlling of environmental quantities. Dr. Lanzolla is a member of the IEEE I&M Society and of the Italian Group of Electrical and Electronic Measurements (GMEE).



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Francesco Adamo has received the M.S. and the Ph.D. degree in Electronic Engineering from the Polytechnic of Bari, in 2000 and 2004 respectively. He is at present an Assistant Professor in Electric and Electronic Measurements Science with the Dept. of Electric and Information Engineering (DEI) of the same Polytechnic. His research interests are in the field of electronic measurements on devices and systems, with special regards to digital signal processing for measurements, A-to-D converter modeling, characterization and optimization, and design of computer- and microcontroller-based measurement systems for industrial automation. Dr. Adamo is a member of the Italian Group of Electrical and Electronic Measurements (GMEE).

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.

MORE INFO

For further information, please visit MeMeA2016 website at



memea2016.ieee-ims.org

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".

TOPICS

Paper submissions on all areas of Measurement for Rehabilitation and Home Care Assistance are welcome.

Topics of interest include but are not limited to:

- Rehabilitation Engineering,
- Electronic Measurements and Signal Conditioning / Processing for Rehabilitation,
- Home Care Assistance Technologies,
- Remote Measurements and Signaling for Home Care.

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

