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CALL FOR PAPERS FOR THE SPECIAL SESSION

Temperature Measurement in Medicine

ABSTRACT

Body temperature is one of main vital signs that must be measured on patients to ensure effective care. The temperature measurement is therefore a key issue in daily medical practice. While body temperature should be measured and recorded regularly with accuracy, because inaccurate temperature measurement may compromise patient safety, in practice there is a wide variations of measurement approaches available for assessing body temperature each with important, different characteristics: invasiveness, need of contact, accuracy, etc.

Temperature measurement is also playing a key role in some patient therapies or surgical procedure, where the precise measure of the local temperature is related to the duration and intensity of the procedure (i.e. tissue and dental laser ablation, muscle radio treatment, etc.).

The analysis of the measurement aspects related to the many methods presently available for the body temperature assessment is therefore an important aim for the researchers developing novel technologies for the medical field.

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

CHAIRS



Lorenzo Scalise
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Lorenzo Scalise (M'10), received the M.S. degree in Electrical Engineering from the Università degli Studi di Ancona (Italy) in 1996 and the Ph.D. degree in Mechanical Measurement for Engineering from the Università degli Studi di Padova (Italy) in 1999. Since 2000, he is with the Department of Industrial Engineering and Mathematical Sciences, Università Politecnica delle Marche, Ancona, Italy.

His research interests are in the field of measurement techniques, with special emphasis on: biomedical instrumentation, assistive technologies, e-health, optical sensors and material characterization.

He is member of IEEE, of the International Society for Optics and Photonics (SPIE) and of the Society of Experimental Mechanics (SEM).



Zaccaria Del Prete
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Zaccaria (Rino) Del Prete, graduated in 1990 in Mechanical Engineering and he is now full professor in "Mechanical and Thermal Measurements" at the Department of Mechanical and Aerospace Engineering of the University of Rome "La Sapienza". He specialized for several years in measurement techniques for Biomedical Engineering at the University of Massachusetts (USA). His recent research interests are in biological tissue characterization, in new test protocols and monitoring techniques for renewable energy system.

He is a member of the IEEE - IMS Instrumentation & Measurement Society.

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".

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

