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CALL FOR PAPERS

FORTHE SPECIAL SESSION

NANOTECHNOLOGY FOR BIOMEDICAL INSTRUMENTATION AND MEASUREMENT

ABSTRACT

The development of nanotechnology is allowing the use of nanosystems with appropriate instrumentation for monitoring and targeting human health in a non-invasive manner. It unveils different unexpected issues like, drug delivery monitoring, theranostics (therapy and diagnostics), tissue typing without biopsy, nanotransduction, cardiovascular ageing, etc... measurement and instrumentation are of great support and enhancement for nano-biomedical issues.

CHAIR



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Aimé Lay-Ekuakille, Ph.D. is with the University of Salento; MD in Electronic Engineering, MD in Clinical Engineering, Ph.D in Electronic Engineering; former Technical Manager of different private and public Institutions. He joined the Dept of Innovation Engineering in sept. 2000 in the area of Electronic Measurements. He is a Senior Member of IEEE, Associate Editor of IEEE Sensors and Associate Editor of Measurement (Elsevier). He serves as chair of IEEE I&M Society TC34, "Nanotechnology in I&M" and Representative of IEEE I&M Society in IEEE NTC AdCom. He is the founder of IEEE technically co-sponsored Workshop Nanofilm. His main researches regard Environmental, industrial and Biomedical instrumentation & measurements even using nanotechnology. He authored and co-authored more than 190 papers on International journals and proceedings. He is the recipient of funds for national/ international projects.

MORE INFORMATION

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

All papers dedicated to nano-biomedical issues, stressing measurement and instrumentation topics, are welcome and topics include but are not limited to:

- Design, simulation and characterization
- Fabrication and testing
- Imaging and signal processing
- Instrumentation
- Engineering
- Bio-Molecular
- Sensors and sensing systems
- Wireless transmission
- Rehabilitation
- Nanoelectronics

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.