



SPECIAL SESSION (SS1.9)

“Sensors and sensing system for Assistive Technology”

Assisted Living is a hot area having an everyday increasing strategic relevance given its impact on the economy and on the society. In this sector, sensors and sensing systems assume a role of primary importance. There is, in fact, an extremely vivid interest on this subject both in the scientific and in the industrial community. In spite of the numerous results available, there is still a large need for further research efforts and for novel solutions. In particular, multi-sensor platform and Wireless Sensors Networks hold the promise of being able to bring innovative contribution to this area being able to collect and transfer large sets of measurement data from several points thus realizing distributed and flexible measurement systems. We invite therefore original research papers on this subject with the goal to contribute to this area through a vibrant arena where novel ideas on converging subjects for the general topic of “Sensors and sensing system for Assistive Technology” will be confronted and exchanged between prominent actors in this field.

Submission are welcomed on:

- Overview of state of the art on "Sensors and sensing system for Assistive Technology";
- Measurement methodologies and algorithms for Assistive Technologies, with particular regards to the wellbeing and the active ageing;
- Smart (wireless) multi-sensor systems for Ambient Assisted Living and Activity Daily Living monitoring;
- Smart textile solutions for Body Sensor Networks
- Wireless Body Sensor Network

Target Attendees

- Biomedical engineers, optimization, signal processing, Big Data in Biology, Advanced Computing

Chair:

- Prof. Bruno Andò (bruno.ando@dieei.unict.it) (DIEEI, University of Catania, Italy)

Co-Chair:

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Organizing Committee: