

# DISSEMINATION

## 1. Books contributions

B1 - B. Andò, S. Baglio, S. La Malfa, C. Trigona, "Perming effect in Residence Times Difference fluxgate magnetometers", in *Sensors and Microsystems, AISEM 2009 Proceedings*, P. Malcovati, A. Baschiroto, A. D'Amico, C. Di Natale, (Eds.) Springer Dordrecht Heidelberg London New York, 444 p., 2010, ISBN: 978-90-481-3605-6

B2 - B. Andò, S. Baglio, S. La Malfa and V. Marletta, *Innovative Smart Sensing Solutions For The Visually Impaired*, in *Handbook of Research on Personal Autonomy Technologies and Disability Informatics*", Medical inforMation science reference, IGI Global, Hershey • New York , pp.60-74, 2011.

## 2. Journals

J1 - B. Andò, S. Baglio, A. Beninato, S. La Malfa, N. Pitrone, *Advanced Educational Tools in Measurement and Sensors: from remote monitoring systems to magnetic fluids*, *Inter. Journal of Education and Information Technologies*, Issue 1, Volume 3, 75-84, 2009

J2 – B. Andò, S. Baglio, S. La Malfa, V. Marletta, *A Sensing Architecture for Mutual User-Environment Awareness Case of Study: A Mobility Aid for the Visually Impaired*, *IEEE Sensor Journal*, Vol.11-3, pp. 634-640, 2011

J3 - Salvatore Baglio, Adi R. Bulsara, Bruno Ando', Salvatore La Malfa, Vincenzo Marletta, Carlo Trigona, Patrick Longhini, Andy Kho, Visarath In, Joe Neff, Greg Anderson, Chris Obra, Mihaljo Tomic, Brian Meadows, Antonio Palacios, *Exploiting Nonlinear Dynamics in Novel Measurement Strategies and Devices: From Theory to Experiments and*

Applications, IEEE Trans. on Instrumentation and Measurements, VOL. 60, NO. 3, pp.667-695, 2011.

### **3. International Conferences**

IC1 - B. Ando', A. Beninato, S. La Malfa, N. Pitrone, Didactic tool assisting visually impaired students during laboratory sessions, the 7th WSEAS International Conference on Education and Educational Technology, EDU'08, pp. 190-193, 2008.

IC2 - B. Ando', A. Ascia, S. Baglio, A. Beninato, S. La Malfa, N. Pitrone, Sensing a physical movement with a ferrofluidic device, the 4th WSEAS International Conference on Remote Sensing (Remote'08), pp. 99-102, 2008.

IC3 - B. Andò, S. Baglio, S. La Malfa, V. Marletta, A "multisensor guide system" to assist visually impaired in unfamiliar environments, Proceedings of the ASME 2009 International Design Engineering Technical Conferences & Computers and Information in engineering Conference, IDETC/CIE 2009, pp.1-5

IC4 - B. Andò, S. Baglio, S. La Malfa, N. Pitrone, A remote monitoring system to improve educational activities of visually impaired students, XIX IMEKO World Congress Fundamental and Applied Metrology, 2009, pp.29-32, 2009

IC5 - A. R. Bulsara, S. Baglio, B. Ando, S. La Malfa, C. Trigona, Experimental Investigations on the Spatial Resolution in RTD-Fluxgates, IEEE, IMTC2009, pp. 1542-1545, 2009.

IC6 - Andò B., Baglio S., La Malfa S., Marletta V. and Savalli N. (2009). A Distributed Sensor Network Approach for Orientation Tasks. Proceedings of the IEEE IMTC 2009, pp.1215-1219, 2009.

IC7 - Ando, B.; Baglio, S.; La Malfa, S.; Trigona, C.; Bulsara, A. R.; ROC analysis for RTD Fluxgate magnetometers , IEEE IMTC 2010, pp.163-166, 2010

IC8 - B. Andò, S. Baglio, A. Bulsara, S. La Malfa, RTD fluxgate behavioral model for circuit simulation, Vol. 5, pp. 1288-1291 , Eurosensors XXIV, 2010

#### **4. National Conferences**

NC1 - Andò, S. Baglio, S. Graziani, S. La Malfa, N. Pitrone, C. Trigona, “Analisi della risoluzione spaziale in magnetometri RTD fluxgate”, proceeding of GMEE 2009, XXVI Electrical and Electronic Measurements Group conference, Salerno, Italy, Sep. 16 - 19, 2009.

NC2 - B. Andò, S. Baglio, A. R. Bulsara, S. La Malfa, C. Trigona, Perm-ing effect in residence times difference fluxgate magnetometers, AISEM2009, pp.1-4.