

cooperative approach for reasoning and sensing has been presented. Fed by an 866 MHz antenna system composed of two meandered dipoles in cross-configuration and a common loop, the device features an energy management section, which powers up an ultra-low-power microcontroller, a thermometer, an ambient light sensor, and an LED diode. Once designed the system has been implemented and tested in some application contexts which take advantage from several features of the renovated device: the capability of asking for and receiving context data, of sensing a physical value, of reasoning, and of taking decisions, have been exploited at the same time.

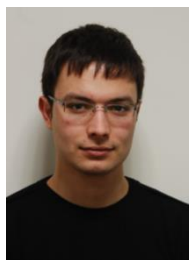
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Luca Catarinucci received the Laurea degree (with honors) in Electronic Engineering from the University of Perugia, Italy, in 1998. Since 2003, he has been with the University of Salento, Lecce, Italy, where he is currently an Associate Professor of Electromagnetic Fields and Professor of "Microwaves" and "Electromagnetic Solutions for Hi-Tech" with the Department of Innovation Engineering. He authored more than 150 papers published in international journals and conferences and four chapters books with international diffusion. He holds two patents. His research activity has been mostly focused on the implementation of high-performance electromagnetic simulation tools, on the electromagnetic characterization of heterogeneous materials, on the use of time-domain reflectometry for the qualitative and quantitative characterization of fluids. Currently he is strongly involved in RFID-related activities, ranging from antenna and system design, integration between sensors and RFID tags, RFID-based robot navigation, and new techniques for tag characterization, optimization, and design.



Riccardo Colella received the M.Sc. (with honors) degree in telecommunication engineering from the University of Salento in 2010 and currently he is a Research Fellow in the electromagnetic fields sector of the same University. His research activity is focused on the design and optimization of RFID Sensor-Tags, 3D-printed RFID antennas and their applications in Wireless Sensor Networks. He authored more than 60 papers appeared on international journals and in national and international conferences, 2 chapter books with international diffusion and a Patent. He has been awarded with the prize "Best Thesis on ICT" assigned by CNIT (National Inter-university Consortium on Telecommunications), Confindustria and AICA (Italian Association for Informatics and Automated Computing) in 2011. He has been also awarded with the IEEE MTT-S Central-Southern Italy Award in 2013.



Luciano Tarricone received the Laurea degree (cum-laude) in electronic engineering and the Ph.D. degree from Rome University "La Sapienza," Rome, Italy, in 1989 and 1994, respectively. Since 1994, he has been a Researcher at the University of Perugia, Italy, and since 1998, he has been a "Professore Incaricato" of EM fields and EM compatibility. Since November 2001, he is a Faculty Member with the Dept. of Innovation Engineering, University of Salento, Lecce, Italy, where he is Full Professor of Electromagnetic Fields. He has authored approximately 300 scientific papers. His main contributions are in the modeling of microscopic interactions of EM fields and biosystems, and in numerical methods for efficient computer-aided design (CAD) of microwave circuits and antennas. He is currently involved in bioelectromagnetics, EM energy harvesting and wireless power transmission, novel CAD tools and procedures for MW circuits, RFID, and EM high-performance computing.