

Special Issue

RFID, WPT and Energy Harvesting

Message from the Guest Editors

Radio-Frequency Identification (RFID) is one of the key technologies. First, RFID tags can be seamlessly integrated with objects of various type. RFID sensors will be further developed, and applied to several problems, ranging from biological and medical devices to the supply chain, from the food quality control to the industrial environments, etc. Second, with RFID technology, information is available on demand, which is very important to data management and cyber security implications. Third, in most passive and semi-active RFID tags, wireless communication is obtained by back-scattering. It allows tag circuitry to consume incredibly low amounts of power. RFID electronics can be integrated with novel technologies and materials, such as zero- or low-power architectures, Wireless Power Transfer (WPT) and Energy Harvesting (EH), chip-less solutions or System-on-Chip (SoC) electronics, low-cost polymer- or cellulose-based substrates and roll-to-roll (R2R) compatible industrial prototyping. The Special Issue will investigate all these dimensions by stimulating and hosting original contributions, as well as review papers on the above topics.

Guest Editors

Dr. Federico Alimenti
Prof. Dr. Luca Roselli
Prof. Dr. Paolo Mezzanotte

Deadline for manuscript submissions

closed (31 December 2018)



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Electronics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
electronics@mdpi.com

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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

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