Special Issue

Analog/Digital Mixed Circuit and RF Transceiver Design

Message from the Guest Editor

Energy-limited wireless devices in the Internet of Things (IoT) are typically powered by batteries with a limited lifetime. Thus, low-power RF circuit design with RF energy-harvesting (EH) technologies are essential in IoT devices to increase their lifetime. Further, low-power sensor signal conditioning circuits and low-power converters (ADC/DAC) need to be designed to process data from multiple sensors. High-efficiency power management circuits such as DC–DC converters and LDO regulators are integrated today. The topics of interest include but are not limited to:

- Low-power IoT RF transceivers;
- Ultralow power wake-up receivers;
- RF energy harvesting;
- Wireless power transfer;
- High data rate 5G RF transceivers;
- Low-power ADC;
- Low-power DAC;
- High-efficiency DC–DC converters;
- High-efficiency LDO regulators.

Guest Editor

Prof. Dr. Kang-Yoon Lee

School of Electronic and Electrical Engineering, Sungkyunkwan University, Suwon 16419, Korea

Deadline for manuscript submissions

closed (10 October 2020)

Electronics

an Open Access Journal by MDPI

Impact Factor 2.6
CiteScore 6.1

mdpi.com/si/38334

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

mdpi.com/journal/electronics

Electronics

an Open Access Journal by MDPI

Impact Factor 2.6
CiteScore 6.1

mdpi.com/journal/electronics

MDPI

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 guest-edited 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

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, Inspec, Ei Compendex and other databases.

Journal Rank:

JCR - Q2 (Physics, Applied) / CiteScore - Q1 (Electrical and Electronic Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.4 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the second half of 2024).