

Special Issue

Ultra-Low Voltage CMOS Front-End Design

Message from the Guest Editors

This Special Issue will focus on the following main topics:

- Device modeling and biasing techniques for ultra-low-voltage low-power circuits;
- Ultra-low-voltage pico/femtoampere analog and digital circuit design;
- Multi-source energy harvesting circuits and systems;
- Energy harvesting-powered DCDC converters;
- Ultra-low-voltage data converters;
- Ultra-low-voltage sensor readout interfaces;
- Implantable devices for biomedical applications;
- Ultra-low-voltage wearable electronics for body sensor networks;
- Biodegradable autonomous sensors;
- Autonomous healthcare circuits and systems

Guest Editors

Prof. Dr. Fortunato Dualibé

Dr. Rafaella Fiorelli

Prof. Dr. Maurizio Valle

Deadline for manuscript submissions

closed (31 December 2022)



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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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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 2.6 days (median values for papers published in this journal in the second half of 2025).

