



Advances and Development of Digital Embedded Systems

Guest Editors:

Prof. Dr. Jorge Juan-Chico

Department of Electronics
Technology, University of Seville,
41012 Seville, Spain

**Prof. Dr. Raúl Jiménez-
Naharro**

Department of Electronic
Engineering, Informatic Systems
and Automatic, Universidad de
Huelva, Huelva, Spain

Deadline for manuscript
submissions:

closed (30 April 2023)

Message from the Guest Editors

Embedded systems are ubiquitous in today's digital applications and are at the core of emerging paradigms like the IoT, smart cities, or distributed power generation. For these reasons, the field has to re-invent itself continuously by incorporating new functionality and design techniques at different abstraction levels, including new design methodologies and verification techniques.

This Special Issue focuses on emerging techniques and advances that allow digital embedded systems to fulfill the new challenges they face in novel and traditional applications, from the application, design, and verification perspectives. The topics of interest include, but are not limited to:

- Low-power and power-aware embedded systems
- Embedded systems and sensor networks
- Embedded systems on FPGA
- SoC- and SoPC-based embedded systems
- Reconfigurable embedded systems
- Embedded systems initialization and bootloading
- Embedded systems time synchronization: GPS, protocols, etc.
- Embedded systems testing and verification
- Embedded systems for IoT and smart cities
- Medical applications of embedded systems
- Embedded systems for power control and power distribution





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Flavio Canavero

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

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

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

Journal Rank: JCR - Q2 (*Physics, Applied*) / CiteScore - Q2 (*Control and Systems Engineering*)

Contact Us

Electronics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/electronics
electronics@mdpi.com
[X@electronicsMDPI](https://twitter.com/electronicsMDPI)