Special Issue

Recent Advances in Hardware Security for Embedded Systems and the Internet of Things

Message from the Guest Editors

The primary focus of this SI is on embedded systems and their applicability to current popular domains such as the IoT and Wireless Sensor Networks. The newly concept known as the IoT can be seen as an enhancement or an upgrade of the already existing WSN platforms. One important area of applicability is represented by real-time applications. In such applications, the system should not only provide accurate results, but must also function within strictly defined time constraints. The real-time capabilities of WSNs, later applied to IoT networks, have been of great interest to both researchers and industry; thus, these are crucial in time-critical applications. Real-time aspects have been studied on many levels of IoT networks and WSNs. While IoT networks tend to implement critical applications, security becomes a key factor. While Cloud and Fog Layers of the IoT have received significant attention from researchers in terms of security, the Edge Layer still poses important security concerns. Edge communication and sensing is being implemented using embedded systems where both hardware and software security still poses important challenges.

Guest Editors

Dr. Valentin Stangaciu

Department of Computer and Information Technology, Faculty of Automation and Computers, Politehnica University, 300223 Timisoara, Romania

Dr. Lucian Prodan

Department of Computer and Information Technology, Faculty of Automation and Computers, Politehnica University Timisoara, 300223 Timisoara, Romania

Deadline for manuscript submissions

15 June 2026

Electronics

Electronics

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

Author Benefits

High Visibility:

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

Journal Rank:

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

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).