Special Issue

Electronics and Algorithms for Real-Time Video Processing

Message from the Guest Editors

In this Special Issue we propose to investigate new applications, techniques and implementations for real-time video, focusing on two different target hardware architectures: embedded systems and high-performance computing systems. Topics of interest to this Special Issue include, but are not limited to, the following:

- Video for mobile systems physically moving at a high speed
- Low-power/low-cost implementations of real-time video processing by means of microcontroller units
- Error correction techniques for video transmission through unreliable data networks
- Image compression/processing techniques for real-time video
- Novel algorithms to cope with extreme video constraints: low-latency, high frame rate, high packet loss, real-time video processing, etc.
- Embedded reconfigurable systems implementations
- High-performance video systems through high-end reconfigurable accelerators
- Many-core implementation of low-latency video
- Multi-core implementation of real-time video
- Computer Vison applications on embedded and/or reconfigurable architectures satisfying real-time design constraints.

Guest Editors

Dr. Javier García-Aranda

Dr. Nicolás Guil-Mata

Dr. Rodrigo García-Carmona

Dr. Gabriel Caffarena

Deadline for manuscript submissions

closed (31 January 2022)

Electronics

mdpi.com/journal/
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 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 (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).

MDPI