

## Special Issue

# Image and Video Coding Technology

### Message from the Guest Editors

The coding quality of images/videos depends on various quality evaluation metrics, and novel perceptual metrics have led to higher requirements for image and video compression. At the same time, the development of large-scale foundation models has provided good data priors for image and video compression, creating possibilities for further enhancing the machine vision accuracy of image/video coding. However, for practical application deployment, designing low-latency and low-complexity image/video coding algorithms is still a key problem to be solved. In this context, we invite original research and comprehensive reviews on, but not limited to, the following:

- Advances in perceptual image/video coding;
- Advances in lossy and lossless image/video coding;
- Advances in point cloud coding;
- Advances in machine vision-oriented image/video coding;
- Advances in image/video compressive sensing;
- Reinforcement learning and game theory for image/video coding;
- Real-time video encoding;
- Scalable Video Coding (SVC);
- Enabling technologies for high-performance video coding;
- Video coding for mobile communication;
- Rate distortion theory for lossy image/video coding.

### Guest Editors

Dr. Bin Chen

Dr. Shuhan Qi

Dr. Yaowei Wang

### Deadline for manuscript submissions

closed (15 March 2025)



## Electronics

an Open Access Journal  
by MDPI

Impact Factor 2.6  
CiteScore 5.3



[mdpi.com/si/190377](https://mdpi.com/si/190377)

*Electronics*  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[electronics@mdpi.com](mailto:electronics@mdpi.com)

[mdpi.com/journal/  
electronics](https://mdpi.com/journal/electronics)





# Electronics

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 5.3



[mdpi.com/journal/  
electronics](https://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), CAPus /  
SciFinder, Inspec, Ei Compendex and other databases.

#### Journal Rank:

JCR - Q2 (Physics, Applied) / CiteScore - Q2 (Control and  
Systems 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).