

## Special Issue

# Advances and Applications of Computer Vision in Electronics

### Message from the Guest Editors

Recently, deep learning has achieved remarkable results in various applications. In particular, computer vision technologies using deep learning have achieved rapid technological improvement by overcoming various problems that conventional computer vision methods have found difficult or not solved. Computer vision technologies are expanding from neural architecture research, such as a vision transformer, to 3D computer graphics, such as neural radiance fields. Therefore, this Special Issue aims to provide a unique academic platform for publishing high-quality papers dealing with advances and applications of computer vision technology in electronics. Contributors may write about one of the subjects listed below, but they are not limited to them.

- Machine Learning-based Computer Vision
- Deep Learning-based Computer Vision
- Efficient Computer Vision on Edge Devices
- Data Processing for Computer Vision
- 3D Computer Vision
- Applications (Autonomous Vehicles, Metaverse, Smart Factory, 3D Rendering, etc.)

### Guest Editors

Dr. Taehyeon Kim

Contents Convergence Research Center, Korea Electronics Technology Institute, Seoul 03924, Republic of Korea

Prof. Dr. Yoonsik Choe

Department of Electrical and Electronic Engineering, Yonsei University, Seoul 03722, Republic of Korea

### Deadline for manuscript submissions

closed (15 March 2024)



## Electronics

an Open Access Journal  
by MDPI

Impact Factor 2.6  
CiteScore 6.1



[mdpi.com/si/150610](https://mdpi.com/si/150610)

*Electronics*  
Editorial Office  
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 6.1



[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 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 16.4 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).