

## Special Issue

# Recent Advances in Virtual Reality and Computer Vision Based on Deep Learning

### Message from the Guest Editors

Deep learning is a very powerful branch of machine learning, framed within artificial intelligence, and represents a very promising field of knowledge that is continually on the rise, in part thanks to technological advances which allow the processing of enormous amounts of data with complex structures. The fullest realization of these are neural networks, more specifically those classified as deep. It is evident that AI is a promising field with multiple and diverse practical applications, representing a very active area of research, in which abundant intelligent systems have flourished and facilitate and automate routine work. The following is a list of the main topics covered by this Special Issue concerned with computer vision based on deep learning models:

- Voice and audio processing;
- Natural language processing;
- Robotics;
- Bioinformatics;
- Video games;
- Search engines;
- Economy and finance.

---

### Guest Editors

Dr. Pedro Javier Herrera Caro

Department of Computer Systems and Software Engineering, School of Computer Engineering, National Distance Education University (UNED), 28040 Madrid, Spain

Dr. Jaime Duque-Domingo

Department of Systems Engineering and Automatics, University of Valladolid, 47002 Valladolid, Spain

---

### Deadline for manuscript submissions

closed (15 March 2025)



## Electronics

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 6.1



[mdpi.com/si/141038](https://mdpi.com/si/141038)

*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 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).