

## Special Issue

# Semantic Technologies for the Protection and Monitoring of Natural and Artificial Environments

### Message from the Guest Editors

The purpose of this Special Issue is to present recent advances in the semantic analysis of digital sensors and visual and other information that can be used in the protection and monitoring of natural or artificial environments. This Special Issue aims to enable leading researchers all over the world to discuss their current work and recent advances in novel areas. This Special Issue will consider original research papers in the field, covering new theories, algorithms, and systems, as well as new implementations and applications incorporating state-of-the-art techniques for semantic analysis of visual data. Review articles and works on performance evaluation and benchmark datasets are also welcome. The list of possible topics for this Special Issue includes but is not limited to:

- Computer vision
- Deep learning
- Heuristic analysis
- Image classification
- Image segmentation
- Object recognition
- Object tracking
- Semantic models
- Sensor data processing
- Reinforcement learning
- Large-scale benchmarking

[https://www.mdpi.com/journal/electronics/special\\_issues/Semantic\\_N\\_A\\_Environments](https://www.mdpi.com/journal/electronics/special_issues/Semantic_N_A_Environments)

---

### Guest Editors

Dr. Ljiljana Seric  
Prof. Dr. Jialie Shen  
Dr. Maja Braović

---

### Deadline for manuscript submissions

closed (31 August 2022)



## Electronics

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 6.1



[mdpi.com/si/93474](https://www.mdpi.com/si/93474)

*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://www.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).