



## Deep Learning-Based Object Detection/Classification

Guest Editor:

**Dr. Kuo-Kun Tseng**

School of Computer Science and  
Technology, Harbin Institute of  
Technology, Shenzhen 518055,  
China

Deadline for manuscript  
submissions:

**15 June 2024**

### Message from the Guest Editor

Dear Colleagues,

Object detection and classification are two important tasks in computer vision, and their algorithm, architecture, system and application scope are very wide. Here are some common application scenarios:

1. Algorithm: Object detection and classification algorithms are used to identify and classify objects in images or videos.
2. Architecture: Object detection and classification architecture mainly refers to the computer system used to process images or videos.
3. System: Object detection and classification systems can be applied to many fields. For example, human-computer interaction systems can detect and classify human actions and other behaviors in images or videos; autonomous driving systems can detect and classify the objects in the road.
4. Application: Object detection and classification applications are very extensive, including but not limited to human-computer interaction, security monitoring, manufacturing and other fields.

In short, object detection and classification have broad application prospects in many fields of computer vision technology, which can help people better understand the visual world.





an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Flavio Canavero**

Department of Electronics and  
Telecommunications,  
Politecnico di Torino, 10129  
Torino, Italy

## 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.

## Author Benefits

**Open Access:** free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

**High Visibility:** indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [CAPus / SciFinder](#), [Inspec](#), and [other databases](#).

**Journal Rank:** JCR - Q2 (*Electrical and Electronic Engineering*) CiteScore - Q2 (*Electrical and Electronic Engineering*)

## Contact Us

---

*Electronics* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/electronics](http://mdpi.com/journal/electronics)  
[electronics@mdpi.com](mailto:electronics@mdpi.com)  
[X@electronicsMDPI](https://twitter.com/electronicsMDPI)