



Trends and Prospects in Computer Vision and Pattern Recognition Technology

Guest Editors:

Prof. Dr. Vladimir A. Golovko

Prof. Dr. Kurosh Madani

Prof. Dr. Anatoliy A. Sachenko

Deadline for manuscript
submissions:
closed (20 January 2025)

Message from the Guest Editors

Computer vision and pattern recognition technology are great of importance for the evolution of artificial intelligence, as well as for the development of applications in various areas, including medical diagnosis, robotics, autonomous driving, 3D reconstruction, sentiment and emotion analysis, decision-making systems and many other domains.

This Special Issue aims to present and discuss the recent advancements, trends and applications in the broad field of computer vision and pattern recognition, as well as to review our present perspectives. It will cover fundamental and applied aspects of this topic.

We invite researchers from various fields to contribute to this Special Issue. We aim to inspire new approaches and applications of computer vision and pattern recognition.

In this Special Issue, we will publish high-quality papers in the overlapping fields of:

- Medical image processing;
- Machine learning theory;
- 3D reconstruction;
- Object detection and image segmentation;
- Video processing;
- Robotics;
- Decision-making systems;
- Semantic analysis.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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), Ei Compendex, Inspec, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (Fluid Flow and Transfer Processes)

Contact Us

Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
X@Applsci