

Special Issue

Applications of Video, Digital Image Processing and Deep Learning

Message from the Guest Editors

Image and video processing are two research areas of great interest to academics as well as industry professionals worldwide. Their wide-ranging applications include but are not limited to the medical field, robotic vision, autonomous driving, industrial applications, forensics, security, and biometrics, just to name a few. On the other hand, machine learning and, in particular, deep learning have taken the research community by storm, with a wide range of different deep learning networks and architectures being applied to a great number of computer vision or image processing problems. The aim of this Special Issue, "Advances and Applications of Video and Digital Image Processing and Deep Learning", is to bring together the shared ideas of professionals from academia, research and industry about problems and solutions relating to the multifaceted aspects of these disciplines. This Special Issue aims to provide a venue for a wide and diverse audience to survey recent research advances and challenges in deep learning for applications in image and video processing by presenting novel, optimized, high-performance, and hybrid deep-learning-based approaches.

Guest Editors

Dr. Athanasios Koutras

Electrical and Computer Engineering Department, University of Peloponnese, 221 00 Tripoli, Greece

Dr. Stavros Karkanis

Department of Mathematics, University of Thessaly, 351 00 Lamia, Greece

Deadline for manuscript submissions

closed (30 October 2023)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/143962

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

mdpi.com/journal/

[applsci](https://mdpi.com/journal/applsci)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



About the Journal

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.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)