

# Special Issue

## Computer Vision and Pattern Recognition

### Message from the Guest Editor

In recent years, computer vision and pattern recognition have received a great deal of attention and on a wide range of topics, in order to extract structures or answers from video and image data, both spatially and temporally. Building mathematical models to data to describe relevant patterns to be localized and recognized.

The intent of this Special Issue is to collect the experiences of leading scientists, but also to serve as an assessment tool for people who are new to the world of computer vision and pattern recognition.

This Special Issue is intended to covering the following topics, but is not limited to them:

Deep learning techniques for object detection and classification

Human behavior analysis

Video surveillance and technologies homeland security

Medical imaging

Nondestructive testing

Visual question answering

Human/computer and human/robot interaction

Robot vision

Assistive computer vision technologies

---

### Guest Editor

Prof. Dr. Cosimo Distante

Institute of Applied Sciences and Intelligent Systems "ScienceApp",  
Consiglio Nazionale delle Ricerche, c/o Dhitech Campus Universitario  
Ecotekne, Via Monteroni s/n, 73100 Lecce, Italy

---

### Deadline for manuscript submissions

closed (30 September 2017)



## Journal of Imaging

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 6.7  
Indexed in PubMed



[mdpi.com/si/8809](https://mdpi.com/si/8809)

*Journal of Imaging*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[jimaging@mdpi.com](mailto:jimaging@mdpi.com)

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

[jimaging](https://jimaging.mdpi.com)





# Journal of Imaging

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 6.7  
Indexed in PubMed



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



## About the Journal

### Message from the Editor-in-Chief

The imaging term, specific with journal, is to be considered in its broadest sense. Image processing, image understanding and computer vision are all terms related to imaging acquisition, its processing and the extraction of relevant information from the scene to obtain the underlying knowledge. All tasks related to the above items are oriented toward specific applications in a broad range of areas and topics. The *Journal of Imaging* is conceived as an efficient vehicle in the scientific community for the communication and transmission of the progress and research results in the topics covered.

---

### Editor-in-Chief

Prof. Dr. Raimondo Schettini

Department of Informatics, Systems and Communication, University of  
Milano-Bicocca, viale Sarca, 336, 20126 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, ESCI (Web of Science), PubMed, PMC, dblp, Inspec, Ei Compendex, and other databases.

#### Journal Rank:

JCR - Q2 (Imaging Science and Photographic Technology)  
/ CiteScore - Q1 (Radiology, Nuclear Medicine and Imaging)