



Convolutional Neural Networks Application in Remote Sensing, Volume II

Guest Editors:

Dr. Dimitrios Konstantinidis

Information Technologies
Institute, Centre for Research and
Technology Hellas, 57001
Thessaloniki, Greece

Dr. Kosmas Dimitropoulos

Information Technologies
Institute, Centre for Research and
Technology Hellas, 57001
Thessaloniki, Greece

Deadline for manuscript
submissions:

closed (31 March 2024)

Message from the Guest Editors

Remote sensing is crucial in a plethora of applications ranging from detecting land use and cover to observing climate and urban changes and from controlling forest fires to identifying crop production and damage. Remote sensing began in the 1960s and 1970s with the development of image processing of satellite imagery, but it greatly benefited from the advances in machine and deep learning. Today, convolutional neural networks can process remote sensing images with high speed and achieve impeccable accuracy and robustness in several applications. However, technological breakthroughs are still needed to enhance the performance of remote sensing applications and facilitate their use in real life.

This Special Issue of the Journal of Imaging aims to feature reports of recent advances in remote sensing technology, novel deep network architectures to enhance the accuracy and robustness of remote sensing applications, such as object segmentation and change detection, and innovative real-time applications that can be employed in real life to cover important needs in remote sensing.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Raimondo Schettini

Department of Informatics,
Systems and Communication,
University of Milano-Bicocca,
viale Sarca, 336, 20126 Milan, Italy

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.

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: CiteScore - Q2 (*Computer Graphics and Computer-Aided Design*)

Contact Us

Journal of Imaging Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/jimaging
jimaging@mdpi.com
[X@J_Imaging_MDPI](https://twitter.com/J_Imaging_MDPI)