

Special Issue

Recent Trends in Explainable Artificial Intelligence (XAI) for Computer Vision

Message from the Guest Editors

Explainable artificial intelligence (XAI) refers to a set of algorithms, processes and methods that enable human users to understand and appropriately trust the predictive results or outputs evaluated via machine learning algorithms. Explainable AI has been found to solve complex black-box problems to interpret the system processes, and helps to rectify the bugs. XAI is used to envision the concept of why a system has generated the wrong results or identify the major reasons for incorrect predictions. Deep neural networks (DNNs) are associated with multimodal data analytics in computer vision, and offer the best solutions in various domains such as facial cues detection, biometrics, healthcare, manufacturing, smart homes, smart agriculture, and cloud computing, to name a few. This Special Issue on explainable AI aims to publish papers addressing various current research areas, such as semantic segmentation, object detection, tracking, reconstruction, synthesis, prediction, perception, and classification. *You are welcome to contribute!!!*

Guest Editors

Dr. Mohit Mittal

Dr. Rocío Pérez de Prado

Prof. Dr. Valentina E. Balas

Deadline for manuscript submissions

closed (15 December 2023)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/144543

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

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





Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



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



About the Journal

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 guestedited by leading experts in selected topics of interest.

Editor-in-Chief

Prof. Dr. Flavio Canavero

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

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, Inspec, Ei Compendex and other databases.

Journal Rank:

JCR - Q2 (Engineering, Electrical and Electronic) /
CiteScore - Q1 (Electrical and Electronic Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.4 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).