Special Issue

Deep Learning for Multimedia Processing

Message from the Guest Editors

Deep learning (DL) technologies have become one of the core technologies in artificial intelligence for multimedia data analysis. In recent years, DL has been successfully explored in various multimedia applications such as natural language processing, visual data analytics, speech recognition, etc. DL inspired from the neuroscience field, building neural networks (NN) structured in a way that resembles the human brain. Considering multimedia data are characterized as large, unstructured, and heterogeneous, DL has the potential to overcome these issues by allowing computers to easily and automatically extract features from unstructured data without the need to rely on human intervention. The convergence of big annotated data and affordable CPU/GPU hardware has allowed the training of neural networks for multimedia analysis. However, there are a lot of critical aspects in multimedia DL: (1) multimedia big data efficient management; (2) utilization of different data modalities exploiting DL; and (3) explainability, insight view and understanding of the DL decision-making mechanisms.

Guest Editors

Prof. Dr. Vassilios Chatzis

Department of Management Science and Technology, International Hellenic University, 65404 Kavala, Greece

Dr. Stelios Krinidis

Management Science and Technology, Democritus University of Thrace, 65201 Kavala, Greece

Deadline for manuscript submissions

closed (15 August 2023)

Electronics

an Open Access Journal by MDPI

Impact Factor 2.6
CiteScore 6.1

mdpi.com/si/125535

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

mdpi.com/journal/electronics

Electronics

an Open Access Journal by MDPI

Impact Factor 2.6
CiteScore 6.1

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 16.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).

MDPI