

Special Issue

Deep Learning Techniques for Manned and Unmanned Ground, Aerial and Marine Vehicles

Message from the Guest Editors

The purpose of this Special Issue is to report recent applications of deep learning approaches in manned and unmanned ground, aerial, and marine vehicles.

Topics include but are not limited to:

- Cognitive data collection;
- Data cleansing;
- Data compression;
- Multisensor data fusion;
- Vehicle localization;
- Perception systems;
- AI for automation systems;
- Object detection, localization, and tracking;
- Situation awareness;
- Vehicle control;
- Autonomous vehicles;
- Connected vehicles;
- Self-driving cars;
- Generative adversarial networks (GANs);
- Collective intelligence;
- Multiagent systems;
- Platooning, flocking, and self-organization;
- Applications: unmanned aerial vehicles (UAVs), unmanned ground vehicles (UGVs), unmanned underwater vehicles (UUVs), and unmanned surface vehicles (USVs), self-driving cars, delivery robots, search and rescue, reconnaissance, surveillance, swarm robotics, etc.

Guest Editors

Prof. Dr. Ahmad Taher Azar

Prof. Dr. Anis Koubaa

Prof. Dr. Alaa Khamis

Prof. Dr. Ibrahim A. Hameed

Dr. Gabriella Casalino

Deadline for manuscript submissions

closed (30 April 2022)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/76545

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 guest-edited 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), CAPus /
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).