electronics

an Open Access Journal by MDPI

IMPACT FACTOR 2.9

CITESCORE 4.7

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

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)

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.

mdpi.com/si/76545

Special Issue

electronics

IMPACT FACTOR 2.9

CITESCORE 4.7

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Flavio Canavero
Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, Inspec, and other databases.
Journal Rank: JCR - Q2(*Electrical and Electronic Engineering*) CiteScore - Q2 (*Electrical and Electronic Engineering*)

Contact Us

Electronics Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/electronics
electronics@mdpi.com
𝕏@electronicsMDPI