

Special Issue

Future Autonomous Drones II

Message from the Guest Editor

Drones, a new era of robots that can autonomously fly in natural or human-made environments, have been widely used in the modern world. Drones have played an irreplaceable role both in civilian and military applications, such as in inspecting power lines, railways, and roads and in the forecasting of disasters, environmental monitoring, and agriculture. This Special Issue aims to collect new research highlighting future autonomous drone technologies, especially in threats, changes, and trends. We welcome submissions and contributions that include but are not limited to the following topics:

- Autonomous drone navigation and landing on cables
- Energy-harvesting techniques for drone applications
- Object recognition and AI
- Fault detection
- Drone path planning and control
- Collaborative drone swarm system
- Secure communication between the drone and the ground networks

Guest Editor

Dr. Emad Samuel Malki Ebeid

The Mærsk Mc-Kinney Møller Institute, University of Southern Denmark,
Campusvej 55, 5230 Odense M, Denmark

Deadline for manuscript submissions

closed (30 July 2023)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/127611

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

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





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



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



About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)