



Future Autonomous Drones

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 (31 December 2021)

Message from the Guest Editor

Drones, a new era of robots that can autonomously fly in natural or man-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, roads and in forecasting disasters, environmental monitoring, and agricultures.

This Special Issue aims at collecting 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





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

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.

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

Journal Rank: JCR - Q2 (*Engineering, Multidisciplinary*) / CiteScore - Q1 (*General Engineering*)

Contact Us

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

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

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](https://twitter.com/Applsci)