



## Future Autonomous Drones II

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)**

### 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





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](http://www.mdpi.com)

[mdpi.com/journal/applsci](http://mdpi.com/journal/applsci)  
[applsci@mdpi.com](mailto:applsci@mdpi.com)  
X@Applsci