# Special Issue

# Edge Computing and IoT Technologies for Drones

## Message from the Guest Editors

Edge computing systems embedded in drones play an extremely important role in their autonomous flights. Edge computing systems detect obstacles, such as camera and radar images, determine a flight path to avoid obstacles and reach the required destination, and control propellers in order to maintain a flight path. These processes require an enormous amount of computation, but due to some constraints, for example batteries, it is not practical to employ high-performance processors. Offloading heavy computation such as AI-based object detection to cloud servers through IoT technology is also effective, but safe flights must continue even if the connection becomes unstable or is lost. This Special Issue aims to publish the latest research and developments in edge computing and IoT technologies for drones. In this Special Issue, original research articles and reviews are welcome.

## Guest Editors

Prof. Dr. Hiroyuki Tomiyama

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## Deadline for manuscript submissions

closed (30 November 2023)

# Drones

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# About the Journal

### Message from the Editor-in-Chief

*Drones* is the only international open-access journal about the science, policy and technology of drones and its applications. Nowadays, the proliferation of drones is a reality for local policy makers, regulatory bodies, mapping authorities, startups and consolidated companies. There are many uses and benefits of drones: from the emergence of new sensors and the evolution of new platforms; to the development of specific software and the emergence of new applications. *Drones* publishes reviews, regular research papers, communications and short notes, without restriction on the length of papers. *Drones* seeks to provide a central forum for scholars engaged in drones' research and applications.
There is a need for high quality papers in this area and the *Drones* Editorial Board are widely recognized international leaders. *Drones* journal guarantees a serious peer review and a rapid publication across the whole discipline of drones.

### Editor-in-Chief

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