

Special Issue

Fault-Tolerant Control of Multirotor Unmanned Aerial Vehicles (UAVs)

Message from the Guest Editors

Recently, multirotor unmanned aerial vehicles (MUAVs) have become popular for both civil and military applications. MUAVs have been utilized in a number of research areas owing to their diverse capabilities and maneuverability, such as tracking control, collision avoidance, aerial manipulator, swarm systems, image processing, and deep learning. The performance of MUAVs has been studied and improved across wide research fields. This Special Issue is dedicated to presenting new methods to diagnose faults in components of MUAVs, sensing and sensor fusion to identify faults, as well as fault-tolerant control of cyberphysical systems and robust control to maintain control and stability of the UAV when any failure occurs. In addition, contributions possibly designing hardware and software and algorithms with experimental validation are especially welcome.

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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