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

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Deadline for manuscript submissions:
closed (31 December 2020)

Message from the Guest Editors

Dear Colleagues,

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.
Prof. Dr. Hungsun Son
Prof. Dr. Shaohui Foong
Guest Editors

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Message from the Editor-in-Chief

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