Special Issue

Aerodynamic Parameter Identification, Actuator Fault Diagnosis and Intelligent Control of UAV

Message from the Guest Editors

We are pleased to invite you to submit original manuscripts to the Special Issue of the MDPI journal *Drones* on "Aerodynamic parameter identification, actuator fault diagnosis and intelligent control of UAV". The actuator failures during the flight of the UAV will lead to the decline of the attitude stabilization control ability, reducing the reliability of the UAV system and imperiling flight safety. Although many scholars have carried out substantial research work on the fault-tolerant control of aircraft, the problem of rapid diagnosis and fault-tolerant control of sudden faults during the UAV flight has not been well solved. A promising way to solve this problem is the combination of fault diagnosis, online aerodynamic identification, and intelligent flight control, which is required to be fast and reliable. The Special Issue is intended to present an overview of the latest advances in UAV fault diagnosis, online aerodynamic identification, and intelligent flight control. The Special Issue expects to provide some worthful contributions to the research on fault diagnosis and autonomous learning control in the case of aircraft failures.

Guest Editors

Prof. Dr. Kai Liu

Prof. Dr. Yongji Wang

Assoc. Prof. Dr. Jia Song

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Deadline for manuscript submissions

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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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