

Special Issue

Recent Advances and Applications of Autonomous Aerial Vehicles

Message from the Guest Editor

In recent years, Autonomous Aerial Vehicles (UAVs) have garnered considerable attention due to their ability to perform a wide range of tasks that are beyond human capability, with UAVs offering versatility and efficiency in missions. These factors have attracted the attention of the scientific community in recent decades, with many research contributions addressing the associated challenges in order to increase the flight autonomy, robustness and design of UAVs. These factors are crucial for staying up to date with the latest developments and research on the application of UAVs. This Special Issue, entitled “Recent Advances and Applications of Autonomous Aerial Vehicles”, welcomes the submission of recent research on the application of UAVs in environment and conservation monitoring, advances in artificial intelligence algorithms, communications, autonomous navigation, network architectures, sensors and perception, multiagent and cooperative control, human interaction, open software and hardware, energy generation, urban mobility, long-range navigation, slung payload, human interactions and machine learning.

Guest Editor

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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.

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