

Special Issue

Unmanned Aerial Vehicles (UAVs)

Message from the Guest Editors

Unmanned Aerial Vehicle (UAV) services such as sensing, mapping, goods and equipment delivery, inspection, and monitoring have started to grow rapidly with the rapidly falling prices of both drones and the sensors mounted on them. Many of these services involve the gathering of data and its processing with complex algorithms either in real time or on the cloud, and precise navigation and path-planning of the drones. We invite articles on all aspects of these problems involving UAV services including data processing and sensor fusion, obstacle and collision avoidance, trajectory generation single UAVs or groups of UAVs, communications and networks among UAVs, mission planning for various purposes, and so on. Articles may be submitted in all the areas that currently abound in the news: inspection of farms, vineyards, ranch animals, and battlefields; delivery of pesticides and herbicides; the cutting edge of photography; the mapping of various fields—optical. Most of these applications are performed by single UAVs till now, though use of a multiplicity of UAVs can significantly improve performance.

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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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