Special Issue

Challenges and Future Trends in Unmanned Aerial Vehicles: Control, Sensor Integration, Networks, Systems and Applications

Message from the Guest Editors

This Special Issue aims to showcase the latest research achievements, findings, and ideas behind smart UAVs based on enlightening inventions or current challenging applications. Researchers are invited to contribute original research and review articles that summarize the latest developments and ideas surrounding these technologies.

Potential topics include, but are not limited to, the following:

UAV applications and UAV-based systems;

Network protocols and communication systems for UAV-based solutions;

Algorithms and artificial intelligence solutions for UAV-based deployments;

Sensing solutions based on UAVs;

Machine/deep learning-based sensor fusion and environment detection;

UAV swarms and interaction between UAVs and IoT solutions;

Artificial intelligence-based fault diagnosis and failure control;

Disturbance observer and robust control for UAVs

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About the Journal

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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