



## Unmanned Aerial Vehicles

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### Message from the Guest Editors

Dear Colleagues,

Unmanned aerial vehicles (UAVs) are now recognized as very useful tools to replace, help, or assist humans in various missions, such as inspection and monitoring, surveillance, search and rescue, exploration, logistics and transportation, etc. Practical uses for such missions in both civilian and defense contexts have experienced a significant growth thanks to recent technological progresses. Nevertheless, some challenges and open issues remain to ensure the full operational use of UAVs.

This Special Issue aims to present recent advances in technologies and algorithms to improve the levels of autonomy, reliability, and safety of UAVs. Topics of interest include but are not limited to: advanced guidance, navigation, and control algorithms; autonomy and decision-making; perception and multi-sensor fusion for robust navigation; networked swarms; unmanned aerial system traffic management (UTM); new vehicle concepts and designs; smart sensors for UAVs; new applications and field experiments; reliability, safety, and risk assessment.





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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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