Special Issue

State Estimation, Control, and Motion Planning of Unmanned Aircraft Systems (UASs)

Message from the Guest Editors

Unmanned aircraft systems are developing rapidly. Several control algorithms are being tested for use on-board UASs. Additionally, the use of data fusion and virtual sensor algorithms offers several new possibilities. Another important topic is autonomous navigation and autonomous flight plan change. This Special Issue of *Applied Sciences* on "State Estimation, Control and Motion Planning of Unmanned Aircraft Systems (UASs)" focuses on the broad topic of UAV state estimation, control algorithms and motion planning. Theoretical and empirical articles related to unmanned flying systems (all configurations, including but not limited to fixed-wing aircraft and rotorcraft) are welcome. **Keywords:** UAS control algorithms; measurement systems; data estimation; virtual sensors; data fusion; autonomous navigation; artificial intelligence in UAS

Guest Editors

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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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