



Advances and Applications in Unmanned Aerial Vehicles

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submissions:

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Message from the Guest Editors

The objective of this Special Issue is to address the recent advances and applications in unmanned aerial vehicles, considering both theory and experiments for fixed-wing, multirotor, and non-conventional (convertible) vehicles. Manuscripts related but not limited to virtual simulations, computational fluid dynamics (CFD), wind tunnel testing, and ground testing of UAVs are welcome. We invite researchers and engineers to contribute their original unpublished works, focusing on (but not limited to) the topics listed below:

- Modeling and simulation
- Design and development
- Guidance, navigation, and control (GNC)
- Formation flight and coordination of multiple UAVs
- Path planning
- Sensing and avoiding algorithms
- Artificial intelligence for UAVs
- Convertible UAVs (non-conventional configurations)
- Real-time autopilots and embedded control for UAVs
- Real-time applications: agriculture, infrastructure and mining





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Message from the Editor-in-Chief

Machines is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications.

Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided.

There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

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