



Aerial Robotics and Vehicles: Control and Mechanical Design

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Message from the Guest Editors

Aerial robotics has been an active area of research for several decades. The development of sophisticated auto-pilot systems for manned and unmanned vehicles, intelligent autonomous navigation systems, novel materials and microelectromechanical systems for biomimetic aerial robots and aerial manipulators have seen a large range of applications.

The main goal of this Special Issue is to collect recent results on aerial robotics, especially those that are concerned with practical and theoretical problems, efficient implementations in applications, as well as novel designs whose advantages can be proven by simulations.

The topics of this Special Issue cover a wide range of important applications in aerial robotics, such as:

- Modeling;
- Control design;
- Attitude estimation;
- Visual feedback;
- Real-time embedded system;
- Practical challenges in implementation;
- Aerial manipulation;
- Mechanical design;
- Bio-inspired aerial robot;
- Mathematical modeling;
- Simulation.

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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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