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Advanced Control and Path Planning of Unmanned Aerial Vehicles (UAVs)

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Deadline for manuscript submissions:
15 August 2024

Message from the Guest Editors

Dear Colleagues,

We are pleased to announce a special issue of our esteemed scientific journal focused on the advancements and challenges in Unmanned Aerial Vehicles (UAVs). UAVs have emerged as indispensable tools in various fields, offering remote-controlled or onboard computer-piloted aircraft capabilities. Particularly noteworthy is their ability to safely and securely conduct inspections in high or confined spaces.

However, ensuring the safe and optimal operation of UAVs requires high-quality sensors and advanced control technology. Without these crucial components, UAVs may fail to detect potential collisions and navigate past them. Therefore, the accurate control and optimization of UAVs' paths remain key challenges in this field. As a result, research efforts have rapidly increased to enhance the accuracy and performance of UAVs.

The scope of this Special Issue encompasses various aspects, including aircraft control, path planning, trajectory optimization, target tracking, among others. We invite submissions of original research articles and reviews, as we believe they will serve as valuable resources for researchers in the future.

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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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