Special Issue

UAV Path Planning and Navigation

Message from the Guest Editors

In the last decade, unmanned aerial vehicles (UAVs) have gained popularity in many application fields, due to their flexibility, level of automation/autonomy and relatively low cost. Their potential can be exploited to perform several missions, reducing the need for human efforts in risky operations. Nowadays, UAVs are key tools in several applications, such as monitoring, inspection and surveillance. Moreover, brand-new applications are envisaged to be carried out autonomously by drones in the near future, including the transportation of people for relatively short distances and in environments not served by traditional aviation. Mission safety and effectiveness are key to fully unleashing UAVs' potential. Several solutions and technological advances are being developed by the scientific community in this direction to expand UAVs' capabilities and enable missions to be autonomously carried out by these platforms. To this aim, both autonomous planning and navigation functionality should be guaranteed. The first allows a UAV to design its trajectory and confers decision-making capabilities to help UAVs counteract any unexpected event.

Guest Editors

Dr. Flavia Causa

Department of Industrial Engineering, University of Naples Federico II, Piazzale Tecchio 80, 80125 Naples, Italy

Dr. Giancarmine Fasano

Department of Industrial Engineering, University of Naples "Federico II", P.le Tecchio 80, 80125 Naples, Italy

Deadline for manuscript submissions

closed (31 May 2024)

Aerospace

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 4.0

mdpi.com/si/152540

Aerospace
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
aerospace@mdpi.com

mdpi.com/journal/aerospace

Aerospace

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 4.0

mdpi.com/journal/aerospace

About the Journal

Message from the Editor-in-Chief

You are welcome to contribute a research article or a comprehensive review for consideration and publication in *Aerospace* (ISSN 2226-4310), an on-line, open access journal.
Aerospace adheres to rigorous peer-review as well as editorial processes and publishes high quality manuscripts that address both the fundamentals and applications of aeronautics and astronautics. Our goal is to enable rapid dissemination of high impact works to the scientific community.

Editor-in-Chief

Prof. Dr. Konstantinos Kontis
School of Engineering, University of Glasgow, James Watt Building South, University Avenue, Glasgow G12 8QQ, UK

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, Ei Compendex, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Aerospace) / CiteScore - Q2 (Aerospace Engineering)

MDPI