machines

an Open Access Journal by MDPI

IMPACT FACTOR 2.5

CITESCORE 4.7

On the Design and the Digital Implementation of Controllers for Unmanned Vehicles

Guest Editors:

Dr. Domenico Bianchi
Department of Information Engineering, Computer Science and Mathematics (DISIM), University of L'Aquila, Via Vetoio, 67100 L'Aquila, Italy

Dr. Mario Di Ferdinando
Department of Information Engineering, Computer Science and Mathematics (DISIM), University of L'Aquila, Via Vetoio, 67100 L'Aquila, Italy

Deadline for manuscript submissions:
closed (30 November 2023)

Message from the Guest Editors

In the last decade, there has been an increasing research interest in developing control techniques for Unmanned Vehicles (UVs), thanks to their capability to perform complex tasks in dangerous situations where human intervention is prevented. More recently, great attention has been also focused on the use of multiple UVs as an organized swarm that can significantly increase the performances of a single UV, as well as of an overall group. As a matter of fact, the use of UVs is recently growing in several fields, ranging from military and rescue missions, remote sensing, and environmental surveillance to meteorology, logistics, and farming. For this reason, the study of UV control problems is, nowadays, of great appeal for researchers and companies.

The research on such topics and the related application to the control problems of UVs are of great interest and is the objective of the present Special Issue. Submitted contributions, in the form of full-length articles or short communications, are expected to provide theoretical and practical results on the design of control strategies for UVs and their practical implementation on digital devices.

machines

IMPACT FACTOR 2.5

CITESCORE 4.7

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Antonio J. Marques Cardoso
CISE—Electromechatronic Systems Research Centre, University of Beira Interior, Calçada Fonte do Lameiro, P-6201-001 Covilhã, Portugal

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.

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, and other databases.
Journal Rank: JCR - Q2 (Engineering, Mechanical) / CiteScore - Q1 (Control and Optimization)

Contact Us

Machines Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/machines
machines@mdpi.com
𝕏@Machines_MDPI