Special Issue

Nonlinear and Optimal, Real-Time Control of UAV

Message from the Guest Editors

The rapid development and growth in the field of UAVs as a versatile tool for monitoring, last-centimeter delivery systems, inspection, interception, photography systems, and advances in the miniaturization of their instrumentation, have given rise to widespread deployment in virtually all areas of science. This Special Issue is seeking submissions that highlight advances in the development and use of nonlinear and optimal real-time control of UAVs. We invite articles concerning all aspects of problems involving UAV services, including data processing and sensor fusion for control purposes, obstacle and collision avoidance, trajectory generation for single UAVs or swarms of UAVs, communications and networks among UAVs, and mission planning. This topic is coherent with the scope of *Machines*, as it covers applications of automation, systems and control engineering, computer or mechanical engineering issues, and robotics.

Guest Editors

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Prof. Dr. Dariusz Horla

Dr. Wojciech Giernacki

Deadline for manuscript submissions

closed (31 January 2022)

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About the Journal

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.

Editor-in-Chief

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