

Special Issue

Innovative Applications and Challenges of Intelligent Automation and Control in Smart Machines

Message from the Guest Editors

The increasing complexity of modern machines demands advanced control strategies to ensure optimal performance, robustness, and adaptability. This Special Issue focuses on nonlinear and adaptive control methods for smart machines, addressing challenges in stability, efficiency, and real-time adaptability. This Special Issue invites contributions to nonlinear control methods, adaptive algorithms, fault-tolerant control, and the real-time implementation of nonlinear control. We welcome original research and review articles addressing theoretical advancements, practical applications, and emerging trends in controlling smart machines, including robotics, UAVs, industrial automation, and autonomous vehicles. This Special Issue aims to advance control methodologies for next-generation smart machines, fostering innovation in intelligent automation.

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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.

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