

Special Issue

Feature Review Papers on Automation Systems

Message from the Guest Editors

Automation systems play a very important role in the field of mechanical engineering, which includes the use of various equipment and control systems such as machinery, processes in factories, boilers, heat-treating ovens, and the steering and stabilization of ships, aircraft, vehicles and other applications. The goal of this Special Issue is to explore current trends in automation systems in mechanical engineering by collecting feature reviews by leading scientists and industrial experts.

Topics of interest include, but are not limited to:

- AI/robotics/autonomous systems;
- Intelligent mechatronics devices;
- Vehicle control applications;
- Industrial automation;
- Electronic automation;
- Control theory and application;
- Smart manufacturing systems;
- Industrial informatics and digital twins;
- Methodologies for digital twins of automation systems;
- Digital-twin-driven approaches for automation systems;
- Compliant mechanisms.

Guest Editors

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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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.5 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2024).