

## Special Issue

# Compensation for Geometric Errors and Improvement in Accuracy Through Innovative Design and Advanced Control Strategies

### Message from the Guest Editor

This special issue focuses on cutting-edge approaches to improving machine tool accuracy and precision across various domains. We invite submissions that address geometric error compensation, advanced control systems, high-precision developments in diverse fields, and image processing techniques for accuracy control and recognition. We welcome original research articles, comprehensive reviews, and technical notes that contribute to the advancement of geometric error compensation and accuracy enhancement. Submissions should emphasize innovative designs, advanced control systems, or cutting-edge methodologies that push the boundaries of precision in their respective domains. This special issue aims to provide a platform for researchers, engineers, and practitioners to share their latest findings and foster interdisciplinary collaboration in the pursuit of ever-higher levels of accuracy and precision in modern manufacturing and measurement systems

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### Guest Editor

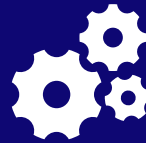
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### Deadline for manuscript submissions

closed (28 February 2026)



## Machines

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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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### 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

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JCR - Q2 (Engineering, Mechanical) / CiteScore - Q1 (Control and Optimization)

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