

## Special Issue

# Advanced Manufacturing and Quality Control for Engines

### Message from the Guest Editor

The main objective of this Special Issue is to create a platform for scientists, engineers, and practitioners through which they can share their latest theoretical and technological results and discuss several issues to be considered as directions for future research in the field of error modeling and in the quality improvement of different kinds of engines, especially vehicle engines and aircraft engines. The papers to be published in this Special Issue are expected to provide recent results in advanced tolerance analysis, error modeling, and quality control, especially for cross-fertilizations between the fields of advanced error modeling and quality improvement. Papers containing comparative results on advanced error modeling and quality improvement are particularly welcome.

### Guest Editor

Prof. Dr. Sun Jin

Institute of Manufacturing for Thin-walled Structures, Shanghai  
Jiaotong University, Shanghai 200241, China

### Deadline for manuscript submissions

closed (30 April 2023)



## Machines

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 4.7



[mdpi.com/si/123960](https://mdpi.com/si/123960)

*Machines*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[machines@mdpi.com](mailto:machines@mdpi.com)

[mdpi.com/journal/  
machines](https://mdpi.com/journal/machines)





# Machines

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 4.7



[mdpi.com/journal/  
machines](https://mdpi.com/journal/machines)



## 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

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

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, and other databases.

#### Journal Rank:

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

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.9 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).