



Advances in Geometrical Product Specification and Verification in the Era of Industry 4.0

Guest Editor:

Dr. George Kaisarlis

Department of Mechanical
Design & Automatic Control,
School of Mechanical
Engineering, National Technical
University of Athens(NTUA),
Athens, Greece

Deadline for manuscript
submissions:

closed (31 August 2025)

Message from the Guest Editor

Dear Colleagues,

In the highly demanding and fast-paced marketplace of today, the competitiveness and sustainability of industrial manufacturing companies are strongly connected with their digital transformation. In the era of Industry 4.0, widely adopted terms such as smart manufacturing and digital twin conceptualize the next-generation manufacturing framework.

This Special Issue aims to collect a broad spectrum of original research and review studies that are addressing the strong industrial need for robust geometrical product specification and verification tools and methods. Submissions are particularly welcomed in the areas of dimensional and geometrical tolerancing, coordinate and production metrology, uncertainty management in geometrical product specification and verification and related subjects. The submission of papers on case studies and original solutions as part of industrial activities are also of particular interest for this Special Issue.

Dr. George Kaisarlis
Guest Editor





an Open Access Journal by MDPI

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

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

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

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

Contact Us

Machines Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/machines
machines@mdpi.com
[X@Machines_MDPI](https://twitter.com/Machines_MDPI)