Special Issue

Precision Manufacturing and Intelligent Machine Tools

Message from the Guest Editors

Precision manufacturing and intelligent machine tools are of great importance in current and future industries. Precision manufacturing is an advanced manufacturing technique that can be used to produce parts composed of a variety of materials with high accuracy and surface/subsurface integrity to meet the requirements of astronomy, semiconductor, biomedicine, precision optics, etc.

The integration of manufacturing processes with intelligent sensors, software, and even intelligent algorithms, which form the basis for intelligent machine tools, provides the possibility of developing manufacturing processes with improved productivity and process capability. This developing trend has continuously enriched precision manufacturing. This Special Issue of Applied Sciences will consider papers that present new technologies and significant contributions for the promotion of precision manufacturing and intelligent machine tools.

Click on the link below or scan the QR code on the left, you could find more details on this issue:
applsci/special_issues/Precision_Manufacturing_Machine

Guest Editors

Prof. Dr. Yuanliu Chen

State Key Laboratory of Fluid Power and Mechatronic Systems, Zhejiang University, Hangzhou 310027, China

Dr. Yang Zhang

Department of Mechanical Engineering, Technical University of Denmark, Produktionstorvet, 427A, 2800 Kgs. Lyngby, Denmark

Deadline for manuscript submissions

closed (30 September 2022)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/95444

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

mdpi.com/journal/applsci

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/journal/applsci

MDPI

About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)