



an Open Access Journal by MDPI

# Advances in Precision Machining and Additive Manufacturing

Guest Editors:

**Dr. Xuelong Wen** 

Dr. Chongjun Wu

Dr. Guijian Xiao

Deadline for manuscript

Dr. Chen Li

submissions: 20 October 2024

### **Message from the Guest Editors**

Precision machining includes micro-machining and ultramicro machining, finishing, and other processing technologies and has been widely used in industrial robot manufacturing and machine tools and equipment.

Additive manufacturing (AM) can manufacture solid objects by stacking special metal materials, non-metal materials, and medical biomaterials layer by layer, using methods such as extrusion, sintering, melting, light curing, spraying, etc., via software and numerical control systems.

This Special Issue will focus on new ideas of precision machining methods and additive manufacturing technology. The topics discussed here will not only focus on various precision machining methods and their mechanisms, typical aspects machining machining accuracy and machining quality evaluation, and innovative new precision machining technologies but also on cuttingedge innovative research on various hot topics, such as the forming mechanisms of additive manufacturing materials, the microstructure and mechanical properties of additive manufacturing parts, and the additive manufacturing technology of new materials.



mdpi.com/si/161266







an Open Access Journal by MDPI

# **Editor-in-Chief**

### Message from the Editor-in-Chief

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

# **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, CAPlus / SciFinder, and other databases.
Journal Rank: JCR - Q2 (*Engineering, Multidisciplinary*) / CiteScore - Q1 (*General Engineering*)

# **Contact Us**

*Applied Sciences* Editorial Office MDPI, St. Alban-Anlage 66 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/applsci applsci@mdpi.com X@Applsci