Special Issue

Advanced and Smart Manufacturing Processes and Machine Tool Technologies

Message from the Guest Editors

The improvement of existing and development of new advanced and intelligent manufacturing processes, including the wide-ranging modernisation of production, are now essential conditions for economic and social development.

Advanced manufacturing processes include, in particular, multi-axis machining and difficult-to-cut materials with various applications in different industries. This contributes to the development of increasingly precise machinery and manufacturing processes, including technology.

This Special Issue will provide an overview of the latest developments in precision machining, with a particular focus on multi-axis milling and intelligent manufacturing. This Special Issue will also contribute to scientific and technological advances that will underpin improvements in the precision, efficiency and reliability of machining and machine technology.

Potential topics include, but are not limited to, the following: digital twin in a smart production line, CAD/CAM design and manufacturing, analysis of CNC machine tools and part manufacturing systems with technology, and precision machining (including multi-axis machining, tool wear, and precision assembly).

Guest Editors

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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

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