Special Issue

Novel Analysis of Tribological Characterization in Machining Processes

Message from the Guest Editors

In machining technologies, friction between the cutting tool and the chip is a key parameter that influences the productivity and quality of the machined part. Despite this, obtaining realistic friction input data for simulation-based analysis and optimization methodologies remains an issue.

This Special Issue will focus on the latest advances in machining tribology related to the development of new experimental techniques and comprehensive theoretical models to support the effective simulation of the chip formation mechanics. Review articles and novel research papers are invited. Keywords

- machining
- metal cutting
- tribology
- friction
- lubrication
- wear
- dry sliding
- surface roughness
- tribo-oxidation
- stick–slip

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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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