# **Special Issue**

# New Directions and Challenges in Ultrafast Laser Machining and Processes

# Message from the Guest Editor

Laser machining and processes have been regarded as an ideal method in cutting difficult-machining material or fabricating micro-nano structures with specific shapes and performances. Although lots of researchers have contributed to phenomenon or theory during laser machining, there is still a large amount of information to be provided and discussed in detail. Current knowledge on the interaction mechanism of laser and material is still quite limited. Some phenomenon or conclusions need be elucidated or verified by new models or experiments. New methods need be provided to resolve the already existing lots of processing problems, such as different kinds of ablation defects.

This Special Issue aims to collate the innovative work of laser machining and corresponding applications. Topics include but are not limited to, the use numerical modelling to optimize processing performance or novel experimental methods, or the application of laser machining on new material or new field.

### **Guest Editor**

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# Deadline for manuscript submissions

closed (25 June 2025)



# Applied Sciences

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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.

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