



Intelligent Processing Technology of Materials

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Deadline for manuscript
submissions:

closed (20 November 2025)

Message from the Guest Editor

Dear Colleagues,

The intelligent processing technology of materials is a valuable and interesting methodology used for simulating and controlling the processing of materials, which requires strong power to achieve the precise and efficient processing of high-performance components.

The main purpose of this Special Issue “Intelligent Processing Technology of Materials” is to showcase the benefits of applying artificial intelligence, machine/deep learning, intelligent algorithms, and intelligent monitoring technology to the processing of materials. Different processing technologies of materials, such as high-precision machining, non-traditional machining, additive manufacturing, forming, and so on are all welcome. Potential research areas may include (but are not limited to) the following:

- Intelligent control systems;
- Model-based intelligent process optimizations;
- Machine/deep learning methods applied to the processing of materials;
- Intelligent monitoring and feedback technology;
- The intelligent optimization of processing parameters;
- Big data and cloud-based processing.





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