



Advances in Precision Machining Processes

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Message from the Guest Editors

Precision machining is required for producing high-quality components with tight tolerances, but it can be technically challenging for complex structures, non-conventional materials, and large volume production. Advances in different aspects, such as machine tools, metrology, and control, are keys to the next generation of precision machining technology. In this Special Issue of *JMMP*, we are looking for new findings, concepts, or tools that can potentially advance state-of-the-art precision machining technologies. The topics of interest include but are not limited to the following:

- Precision machining processes, such as micro/nano machining, machining of difficult-to-machine or non-traditional materials, and development of novel machining methods;
- Novel measurement techniques, such as in situ/on-machine metrology and non-destructive inspection;
- Data-driven processes, such as feedback and control algorithms, machining diagnostics and prognostics, and model-based machining strategies.



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Message from the Editor-in-Chief

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