



Surface Integrity in Metals Machining

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Message from the Guest Editors

With the increasing requirement of component quality in industry applications, surface integrity has become essential for the machined workpiece working in harsh environments, and attracted growing attention from both academic and industrial researchers. This Special Issue will focus on surface integrity in metal machining, aiming to make a fundamental contribution to exploring metal surface generation, as well as component functional performances.

We are particularly interested in (but not limited to) topics:

- Special mechanism in metal machining and deformation
- Surface and subsurface generation
- Material removal principle of non-conventional machining processes
- Surface and subsurface properties after machining, e.g., microstructure alternations, chemical variation, mechanical properties changing
- Surface integrity improvement and modification strategy
- Novel metal machining methods
- New surface integrity predication methods
- Influence of surface integrity on component functional performance
- Advanced surface integrity characterization methods
- Relationships of structure–process–surface integrity–performance



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Message from the Editor-in-Chief

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