

Special Issue

Surface Integrity in Metals Machining

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

Guest Editors

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

Journal of Manufacturing and Materials Processing (JMMP) (ISSN 2504-4494) is a new MDPI peer-reviewed, open access venue with a focus on the scientific fundamentals and engineering methodologies of manufacturing and materials processing. We offer an online platform facilitating effective exchange of innovative scientific and engineering ideas and the dissemination of recent, original, and significant research and developmental findings. On behalf of the Editorial Board, I extend an invitation to our scientific and engineering colleagues to contribute high-quality, innovative, and ground-breaking research articles to *JMMP*.

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