Special Issue

Green Hybrid Machining Technology for Difficult-Machining Metal Materials

Message from the Guest Editor

Dear Colleague, Difficult-to-machine metal materials exhibit excellent material properties and could effectively ensure the functional and structural integrity of product components under extreme service conditions. Green hybrid machining technologies provide novel solutions for the high-quality and high-efficiency machining of difficult-to-machine materials with environmentally friendly benefits. It is crucial to clarify the machining mechanism and related machining rules of surface integrity for the industrial application of green hybrid machining technology. This Special Issue aims to solicit research/review papers on novel green or/and hybrid machining technology for difficult-to-machine metal materials in scientific research or industry.

Guest Editor

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Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure – disciplines in the metallurgical field ranging from processing, mechanical behavior, phase transitions and microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

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