

Special Issue

Laser Micromachining of Metals

Message from the Guest Editor

The development of micromanufacturing processes and systems over the past ten years has seen phenomenal advances in the theory and practice of using lasers to produce highly functional surfaces in metals. The processing of metals using laser beams is a fast and efficient method of producing high value products, but is not without its limitations. This Special Issue is dedicated to understanding the application and use of lasers to machine metals at the microscale and focuses on the successes and the challenges of processing metals in a sustainable manner that preserves the earth's natural resources and extends the life of functional systems. Original research articles and reviews are solicited for this Special Issue of *Metals* that provides a view of the current state-of-the-art or a projected view of the future for laser micromachining of metals. Case studies of industrial use of lasers to machine metals are also solicited so that the reader of this special issue can appreciate how lasers are used to machine a variety of metals for specific industrial applications.

Guest Editor

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About the Journal

Message from the Editorial Board

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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