metals

an Open Access Journal by MDPI

IMPACT FACTOR 2.9

CITESCORE 4.4

Laser Micromachining of Metals

Guest Editor:

Prof. Dr. Mark J. Jackson
School of Interdisciplinary Studies, College of Technology and Aviation, Kansas State University, Aerospace and Technology Campus, Salina, KS 67401, USA

Deadline for manuscript submissions:
closed (20 October 2019)

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.

metals

IMPACT FACTOR 2.9

CITESCORE 4.4

an Open Access Journal by MDPI

Editors-in-Chief

Prof. Dr. Hugo F. Lopez
Department of Materials Science and Engineering, College of Engineering & Applied Science, University of Wisconsin-Milwaukee, 3200 N. Cramer Street, Milwaukee, WI 53211, USA

Prof. Dr. Yong Zhang
Beijing Advanced Innovation Center of Materials Genome Engineering, State Key Laboratory for Advanced Metals and Materials, University of Science and Technology Beijing, 30 Xueyuan Road, Beijing 100083, China

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.
Journal Rank: JCR - Q2 (*Metallurgy & Metallurgical Engineering*) / CiteScore - Q1 (*Metals and Alloys*)

Contact Us

Metals Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/metals
metals@mdpi.com
𝕏@Metals_MDPI