



Metal Additive Manufacturing Technologies

Guest Editor:

Dr. Chun Guo

College of Mechanical
Engineering, Anhui Science and
Technology University, Bengbu
233100, China

Deadline for manuscript
submissions:

closed (31 August 2023)

Message from the Guest Editor

Additive manufacturing (AM) technology has developed into a core technology for improving the design and manufacture of high-performance complex components, with constantly advancing engineering applications in aerospace, biomedical, energy, transportation, national defense and other fields. In the process of innovation and leapfrog development of AM technology, there are many key scientific and technical problems that require further research and breakthroughs. These problems include, but are not limited to: material design and interface control problems in the transition from single-material printing to multimaterial printing and from simple structure printing to multifunctional complex overall structure printing; structural design and print quality control problems; traditional trial-and-error process development and precise process control problems intelligent printing. Progress in the innovative development, technological progress and large-scale industrial application of AM technology necessitates a series of new principles, methods, materials, processes and technologies.





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 and Metallurgical Engineering*) / CiteScore - Q1 (Metals and Alloys)

Contact Us

Metals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/metals
metals@mdpi.com
[X@Metals_MDPI](https://twitter.com/Metals_MDPI)