Special Issue

Large-Scale Metal Additive Manufacturing

Message from the Guest Editor

The field of large-scale metal additive manufacturing (AM) has witnessed remarkable advancements in recent years, driven by the increasing demand for the rapid and cost-effective production of large-scale metal components across various industries, including aerospace, automotive, energy, and construction. While the AM of large components was initially predominantly used for prototyping, the technology has now expanded its applications to include playing a direct part in production, in a process known as “Rapid Manufacturing”. This transition has been facilitated by advancements in the automation and scalability of metal AM systems, which caused the development of AM setups with high deposition rates and the concept of multi-wire and/or multi-robot printing. However, the reliability and performance of the relatively large components are still unclear. This Special Issue of the *Journal of Manufacturing and Materials Processing* focuses on the recent advancements and ongoing research in large-scale metal additive manufacturing. We invite contributions that explore the latest developments in materials, processes, and applications of this rapidly evolving field.

Guest Editor

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Deadline for manuscript submissions

31 August 2025

Journal of Manufacturing and Materials Processing

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 5.2

mdpi.com/si/215043

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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.*

Editor-in-Chief

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