

Special Issue

Advances in Powder Bed Fusion Technologies

Message from the Guest Editor

Powder bed fusion (PBF) technology has experienced rapid development in the last decade. PBF technology has been successfully applied to a wide range of material systems, such as metals, polymers, ceramics, etc., of which the processing capabilities and quality show advantages to traditional processing routes. In the meantime, with the deepening of this research and the continuous demands of the industry, many innovative concepts have emerged, such as energy-field-assisted manufacturing, multi-material manufacturing, (laser) beam shaping, and hybrid additive/subtractive manufacturing. Besides those conceptual improvements, advances in PBF technologies are reflected in various aspects, including novel design and modeling, equipment upgrades, the expansion of applicable materials, appropriate post-processing methods, process monitoring, and quality evaluation. In this Special Issue, we aim to present a comprehensive collection of research articles, reviews, and short communications, so as to highlight recent advances with regard to powder bed fusion technologies.

Guest Editor

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About the Journal

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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