# **Special Issue**

# Recent Advances in Multi-Material Metal Additive Manufacturing

# Message from the Guest Editor

Over the past 30 years, metal AM has evolved rapidly in various aspects. Many industrial sectors have started to adopt AM due to the unique capabilities. But the application space of the metal AM technologies has been limited to single-material components. On the one hand, it is the technical difficulties that have slowed down the advancement of multi-material AM; on the other hand, the lack of known applications resulted in less investments. This problem will be solved as multi-material AM becomes more accessible and the mesoscale design starts to be incorporated into the design philosophy. For this Special Issue, researchers are encouraged to submit their novel studies which address the challenges specifically in multi-material metal AM, including but not limited to:

- Design optimization;
- Feedstock delivery methods;
- Machine and laser control:
- Scan strategy optimization;
- Printing parameter optimization;
- Process monitoring;
- Characteristics of the multi-material interface:
- Post-processing treatments;
- Microstructural characteristics;
- Mechanical performance;
- Novel multi-material testing methods.

# **Guest Editor**

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# Deadline for manuscript submissions

closed (31 January 2025)



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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 .IMMP.

## Editor-in-Chief

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