

Call for Papers**Space and Aerospace Exploration Revolution: Metal Additive
Manufacturing****Editor-in-Chief**
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Additive manufacturing (AM) has been experiencing significant growth in both industry and academia and is widely recognized as a major disruptive technology for the future. Following the successful publication of the first special issue in August 2022, ASM International's *Journal of Materials Engineering and Performance (JMEP)* will release a second special issue focused on Metal Additive Manufacturing (MAM) in conjunction with the [2025 ASTM International Conference on Advanced Manufacturing \(ICAM 2025\)](#). This edition will emphasize its applications in aerospace vehicles, rockets, satellite systems, and space exploration.

Topics to be considered in this issue include (but not limited to): metal 3D printing in microgravity; metal additive manufacturing processes and methods; metallurgical design optimization and simulation; recent developments of AM-specific metallic materials/metallic-based composites; application, service performance, and failure analysis and prevention; post-processing treatments; and alloy design and adaptation.

Prospective authors are invited to submit manuscripts for review and potential publication in this special issue. The journal publishes only original research of high technical value and is focused on materials. Submitted manuscripts will be subject to the journal's normal rigorous peer review process and must be accepted by the reviewers and editors to be included in this special issue.

Guest Editors:

Shahrooz Nafisi, Rocket Lab (USA)
Douglas Hofmann, NASA Jet Propulsion Laboratory/California Institute of Technology (USA)
Paul Gradl, NASA Marshall Space Flight Center (USA)

Potential authors are highly encouraged to submit an abstract to Dr. Shahrooz Nafisi (shahrooznafisi@gmail.com) for consideration and comment prior to preparation of a full manuscript.

Abstract submission deadline: April 25, 2025
Manuscript submission deadline: December 5, 2025

JMEP submission procedures and advice on preparing your manuscript can be found under the heading "Submission Guidelines" using the following link:

<http://www.springer.com/materials/characterization+%26+evaluation/journal/11665>

Please indicate in your cover letter that you are submitting a contribution to the special issue on "Metal Additive Manufacturing."

For further information please contact:

Shahrooz Nafisi

Guest Editor

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