

JOM Call for papers

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Additive Manufacturing of Metals and Alloys for Extreme Environments

Additive manufacturing (AM) has great potential to advance the production of new and replacement components for applications in extreme thermal, mechanical, chemical, and nuclear environments. However, the performance of AM metals and alloys under these extreme conditions must be understood. This special topic welcomes submissions that report the following: (1) Performance of AM metals and alloys in extreme thermal, mechanical, chemical, and/or nuclear environments; (2) Microstructure evolution and associated changes or degradation in properties associated with exposure to extreme conditions; and (3) Articles that strive to understand the mechanisms responsible for properties and/or changes in properties in extreme environments.

Original research papers should be 3,000-9,000 words with up to 12 figures maximum; review papers should be 6,000-11,000 words with up to 20 figures maximum.

Detailed author instructions are available at:
<http://www.tms.org/AuthorTools/>

Keywords for this topic: **Additive Manufacturing; Energy; High-Temperature Materials; Mechanical Properties; Phase Transformations**

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Committee Sponsor(s): **Additive Manufacturing**

If you are interested in submitting a paper, upload your manuscript at <https://www.editorialmanager.com/jomj/>

Please note that all submissions will be subject to peer review. Submission does not guarantee acceptance.

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