

JOM Call for papers

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Advanced Manufacturing of Titanium-Based Alloys

This special topic focuses on understanding the complexities associated with advanced manufacturing of Titanium based alloys in comparison to their conventionally processed counterparts. The extreme thermo-kinetic and thermo-mechanical processing conditions associated with these processes often result in microstructure-property combinations not routinely observed. The topic will explore all aspects of processing-microstructure-property relationships emanating from such techniques in case of Titanium alloys processed through additive manufacturing routes, both solid-state as well as fusion-based, for example LPBF, DED, EBAM, WAAM, binder jetting, cold spraying, friction stir additive, sinter-based AM, etc.

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; Lightweight Materials; Phase Transformations; Titanium

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Committee Sponsor(s): Titanium

If you are interested in submitting a paper, upload your manuscript at
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Please note that all submissions will be subject to peer review. Submission does not guarantee acceptance.

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