

# JOM Call for papers

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**Manuscript Deadline:** *November 1, 2017*

**The Phase Transformations Committee is seeking papers on the topic of *Liquid->Solid->Solid Phase Transformations: Characterization and Modeling***

Microstructure evolution in additive manufacturing occurs during repeated heating and cooling that involve both liquid->solid and solid->solid phase transitions. As a result, there is a need to understand phase and interface stability under large thermal gradients and thermomechanical reversals. Validity of theories developed for casting, heat treatment, and welding will be evaluated. In this issue, researchers addressing these issues through in-situ and ex-situ characterization and modeling are invited to submit papers to this topic.

Typical paper length is 5,000 to 6,500 words for review papers, and 2,400 to 4,000 words for original papers.

Detailed author instructions are available at:

<http://www.tms.org/AuthorTools/>

**Guest Editor for this JOM topic is Babu Sudarsanam:**  
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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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