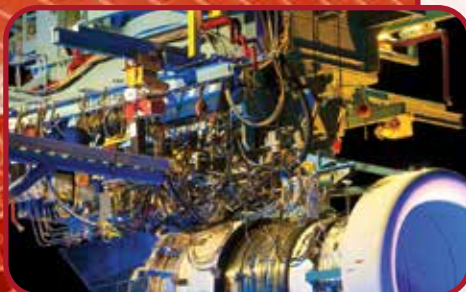
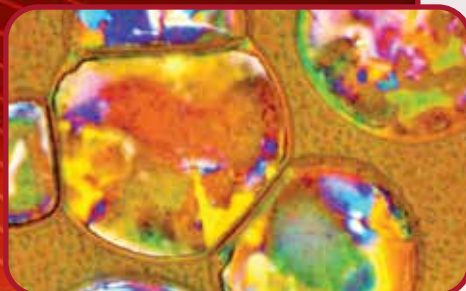


# JOM Call for papers

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**Manuscript Deadline:** *February 1, 2024*

## ***Microstructure and Defect Development During Rapid Solidification***

This special topic focuses on recent work investigating how microstructure and defects develop during rapid solidification. Research that applies fundamental solidification theories to understand and solve contemporary processing challenges will be highlighted. Investigation methods can include theory, experiments, characterization, and modelling across all relevant length scales as well as data-driven approaches. However, papers that focus solely on the downstream processing of these as-solidified microstructures and defects will be considered out of scope.

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:** **Fundamentals; Molten Metal and Solidification**

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