

# JOM Call for papers

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**Manuscript Deadline:** *March 1, 2018*

**The Integrated Computational Materials Engineering Committee is seeking papers on the topic of**

***Multiscale Computational Strategies for Heterogeneous Materials with Defects***

Multiscale modeling is a familiar theme, integral to heterogeneous materials. Challenges are encountered in the presence of evolving defects at multiple scales leading to extreme behavior. Such complexities may be addressed by a combination of hierarchical (bottom-up) and concurrent (top-down coupling) strategies. The models should be motivated and validated by experiments and characterization at relevant scales. Material heterogeneity also calls for uncertainty quantification in the treatments. This topic is devoted to approaches addressing these issues.

Original research papers should be 3,000-6,000 words with up to 8 figures maximum; review papers should be 6,000-10,000 words with up to 15 figures maximum.

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

**Keywords for this topic:**

**Characterization, composites, computational materials science and engineering, experimental methods, ICME, mechanical properties, modeling and simulation**

**Guest Editors for the JOM topic are Somnath Ghosh and David McDowell:**

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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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