

# JOM Call for papers

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**The Advanced Characterization, Testing, and Simulation Committee is seeking papers on the topic of**  
***3D Nanoscale Characterization of Metals, Minerals, and Materials***

Atom probe tomography (APT) and correlative microscopy that combines APT with other characterization methods are now widely used for microstructural characterization of metals, minerals, and materials. This special topic invites papers demonstrating recent progress in utilization of APT along with correlative microscopy where the 3D nanoscale compositional information obtained using APT complements other structural or chemical state characterization or simulation results that aid understanding phase transformation mechanisms or structure–property relationships. Potential topics could include correlative microscopy approaches that are beneficial for understanding grain boundary segregation of elements, understanding nanoscale precipitation, or quantifying segregation of solutes or vacancies to crystal defects and interfaces.

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 Editors for this *JOM* topic are Philip Eisenlohr and Arun Devaraj:**

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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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