

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.

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/>

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

eisenlohr@egr.msu.edu; arun.devaraj@gmail.com

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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