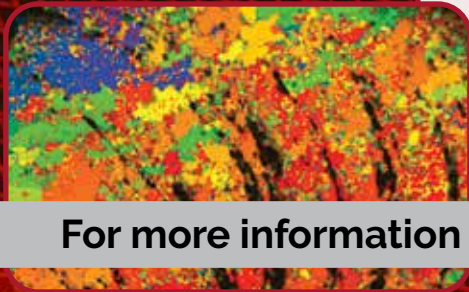
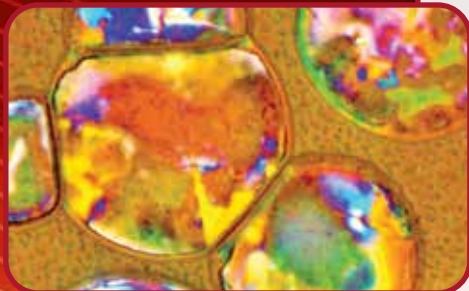


# JOM Call for papers

An official publication of The Minerals, Metals & Materials Society



Publication Date: *April 2025*

Manuscript Deadline: *October 1, 2024*

## ***Diffusionless Phase Transformations in Engineering Alloys***

Diffusionless/martensitic phase transformations can have a profound influence on the properties and behavior of engineering materials. For example, in metallic alloys they are involved in quench hardening, transformation plasticity, and superelastic or shape-memory effects. Recent developments in the understanding of factors that affect such transformations have had a profound impact upon alloy and process design. The objective of this special topic is to bring together contributions from researchers working on both the fundamental mechanisms and practical consequences of diffusionless transformations in engineering alloys.

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:** Alloy Phases; Characterization; Mechanical Properties; Phase Transformations

**Guest Editor(s):** Mark Aindow and Ashley Paz y Puente:  
[m.aindow@uconn.edu](mailto:m.aindow@uconn.edu); [pazypuae@ucmail.uc.edu](mailto:pazypuae@ucmail.uc.edu)

**Committee Sponsor(s):** Phase Transformations

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.

For more information on JOM, please visit [jom.tms.org](http://jom.tms.org)