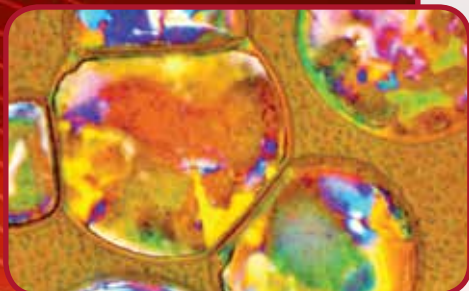


JOM Call for papers

An official publication of The Minerals, Metals & Materials Society



Publication Date: *April 2020*

Manuscript Deadline: *November 1, 2019*

Hydrogen Effects on Material Performance

Numerous energy generation and transportation systems constructed of high-performance metal alloys are routinely exposed to hydrogen. The integrity of these systems is often challenged by a variety of hydrogen degradation modes affecting both structural components and storage media. The hydrogen-material interactions that ultimately lead to degradation occur across multiple length scales. Therefore, of particular interest for this special topic are studies involving multiscale experimental and theoretical methods for probing hydrogen-materials interactions in complex materials systems.

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; environmental effects; experimental methods; hydrogen; mechanical properties*

Guest Editor(s): *Janelle Wharry and Samantha Lawrence:*
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Committee Sponsor(s): *Nanomechanical Materials Behavior*

If you are interested in submitting a paper, upload your manuscript at
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