

JOM Call for papers

An official publication of The Minerals, Metals & Materials Society

Publication Date: *October 2023*

Manuscript Deadline: *April 1, 2023*

Degradation of High Temperature Alloys During Long Term Service in Harsh Environments

High temperature alloys are crucial for structural components in power generation, aerospace propulsion systems and chemical processing industries. Understanding of mechanisms occurring during exposure to static and/or dynamic mechanical loads, elevated temperature, and aggressive environments is critical. Areas of interest are, but not limited to: Modeling and simulation of degradation during long term service; testing methodologies to accelerate degradation in support of alloy development and qualification; advanced characterization of microstructure and properties evolutions during long term service.

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: **Advanced Materials; Characterization; Environmental Effects; High-Temperature Materials; Modeling and Simulation**

Guest Editor(s): Benjamin Adam and Jonah Klemm-Toole:
benjamin.adam@oregonstate.edu; jklemmto@mines.edu

Committee Sponsor(s): **High Temperature Alloys**

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