

JOM Call for papers

An official publication of The Minerals, Metals & Materials Society

Publication Date: *September 2022*

Manuscript Deadline: *March 1, 2022*

High Temperature Alloys: Manufacturing, Processing, and Repair

High-temperature alloys are crucial for allowing components in power generation and propulsion systems to operate at the highest possible temperatures and in extreme environments, for maximum efficiency. This topic explores advances in manufacturing, processing, and repair of high-temperature alloys, such as Ni- and Co- based superalloys, high entropy alloys, and refractory alloys. Areas of interests include advanced processing methodologies, novel manufacturing techniques, process-microstructure-property relationships, surface modification, repair, welding, and joining techniques.

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; Advanced Processing; High-Temperature Materials; Mechanical Properties; Shaping and Forming; Repair; joining**

Guest Editor(s): Benjamin Adam:
adamb@oregonstate.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