

# JOM Call for papers

An official publication of The Minerals, Metals & Materials Society

**Publication Date:** *February 2018*

**Manuscript Deadline:** *September 1, 2017*

**The Nuclear Materials Committee is seeking papers on the topic of**  
***Accident Tolerant Nuclear Fuels and Cladding Materials***

Following the Fukushima-Daiichi nuclear incident in Japan, a focused effort was initiated in the United States bringing together relevant national laboratories, academia, and industries for developing accident-tolerant nuclear fuel and cladding forms for light water reactors. Several accident-tolerant fuel-cladding concepts such as SiC composites, aluminum-bearing ferritic steels, and coated zirconium alloys, among others, are being investigated. Uranium silicide fuels with high thermal conductivity are being studied as alternatives to currently used uranium dioxide.

Typical paper length is 5,000 to 6,500 words for review papers, and 2,400 to 4,000 words for original papers.

Detailed author instructions are available at:

<http://www.tms.org/AuthorTools/>

**Keywords for this topic:**

**Nuclear materials, accident tolerance, fuels, fuel cladding, light water reactors**

**Guest Editor for this JOM topic is Indrajit Charit:**

[icharit@uidaho.edu](mailto:icharit@uidaho.edu)

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)**