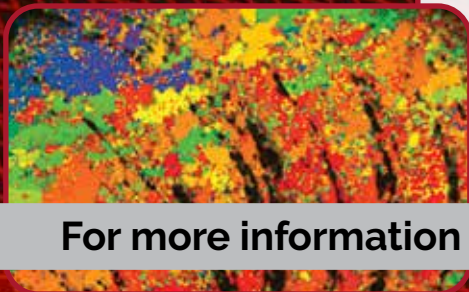
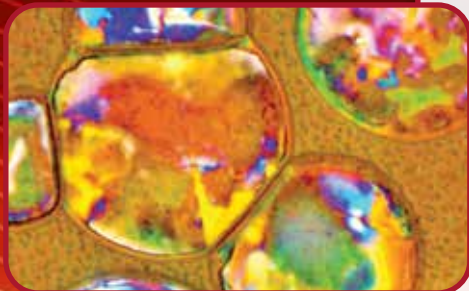


# JOM Call for papers

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**Manuscript Deadline:** *January 1, 2024*

## ***Thermo-mechanical Processing of Steels for Sustainable Energy Utilization***

The steel industry in recent years has concentrated its efforts on sustainability via modifying steel-making processes, as well as by adapting its applications. Among the impact areas, energy applications, e.g., power generation from renewable sources, latest generation fossil-based/nuclear power plants, and fuel transportation are critical. Coupled with chemistry optimization, thermally or thermo-mechanically treating steels has demonstrated significant improvements. In this context, this special topic aims to publish original, state of the art research related to all aspects of microstructural optimization through computationally or experimentally based design, for steels relevant to energy applications.

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 Processing; Computational Materials Science & Engineering; Energy; Iron and Steel; Nuclear Materials*

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