JOM Call for papers

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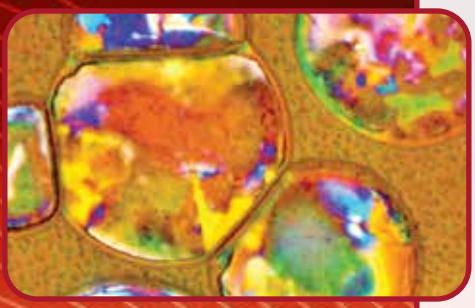

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Manuscript Deadline: *December 1, 2022*

In Situ Methods to Study Deformation Induced Microstructural Evolution during Solid Phase Processing

Optimization of solid-phase processing methods that employ deformation in the solid state without any melting of constituent elements, there is a critical need to understand the microstructural evolution mechanisms with in situ methods. This special topic is focused on probing deformation-induced microstructural evolution relevant to solid-phase processing through in situ approaches such as 1) synchrotron-based x-ray diffraction 2) neutron diffraction 3) in situ transmission electron microscopy 4) in situ scanning electron microscopy and other methods.

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; Characterization; Experimental Methods; Joining; Shaping and Forming**

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Committee Sponsor(s): **Shaping and Forming**

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