JOM Call for papers

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Manuscript Deadline: *August 1, 2019*

The Additive Materials Committee and the ICME Committee are seeking papers on the topic of
ICME-Based Design and Optimization of Materials for Additive Manufacturing

Papers will be solicited in the following areas:
- Machine learning and artificial intelligence enabled AM modeling techniques
- Modeling and simulation of AM process to understand the process-structure-property relationship
- Modeling of morphology evolution, phase transformation, and defect formation in AM parts
- Modeling of residual stress, distortion, plasticity/damage in AM parts
- Multiscale/multiphysics modeling strategies, including any or all of the scales associated with the spatial, temporal, and/or material domains
- CALPHAD (Calculation of Phase Diagrams)-based method for AM material informatics

Original research papers should be 3,000-6,000 words with up to 8 figures maximum; review papers should be 6,000-10,000 words with up to 15 figures maximum.

Detailed author instructions are available at:
http://www.tms.org/AuthorTools/

Keywords for this topic:
Additive manufacturing, ICME, modeling and simulation

Guest Editor for the *JOM* topic is Jing Zhang:
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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

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