JOM Call for papers

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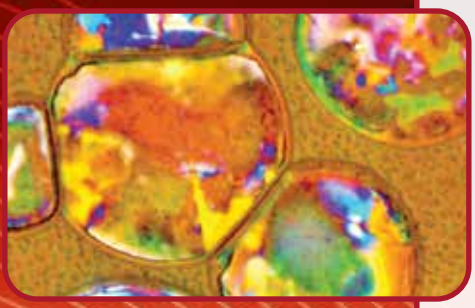

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Machine Learning and New Paradigms in Computational Materials Research

The field of computational materials science has been applying essential concepts of machine learning such as iteratively optimizing solutions, interpolating functions in high-dimensional space, and manipulating patterns in data, effectively since its inception. Recent developments in learning theory and practice, along with the proliferation of data and cheap computing, have resulted in promising new methods and enhanced embodiments of established techniques. This topic aims to showcase and review some of these developments.

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: **Modeling and Simulation; Machine Learning; High-throughput Framework; Artificial Intelligence; Integrated computational materials engineering**

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Please note that all submissions will be subject to peer review. Submission does not guarantee acceptance.

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