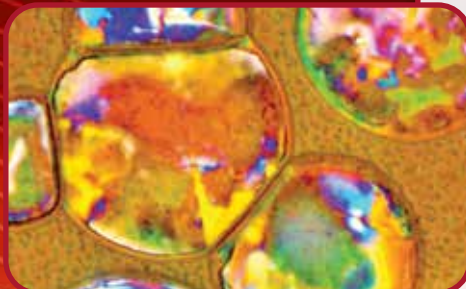


JOM Call for papers

An official publication of The Minerals, Metals & Materials Society



Publication Date: *April 2023*

Manuscript Deadline: *October 1, 2022*

Advances and Applications of Machine Learning in Materials Research

Machine learning (ML) is impacting all disciplines of science and engineering. This topic will cover the impact of ML on experimental and computational materials science with interest in both algorithm advancements and examples of application. Specific topics of interest include advances in machine learning force fields, high- and medium-throughput computational frameworks, computational and experimental databases, feature/descriptor engineering, uncertainty quantification, data-driven model calibration and validation, and machine learning approaches to bridging length and time scales.

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: **Computational Materials Science & Engineering; Cyber Infrastructure; ICME; Modeling and Simulation; Machine Learning**

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Committee Sponsor(s): **Computational Materials Science and Engineering**

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