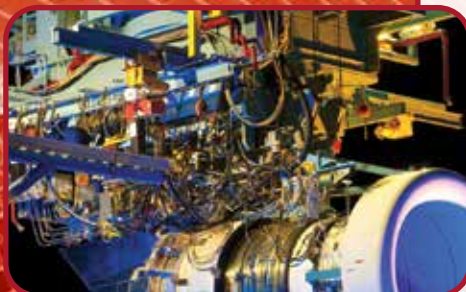
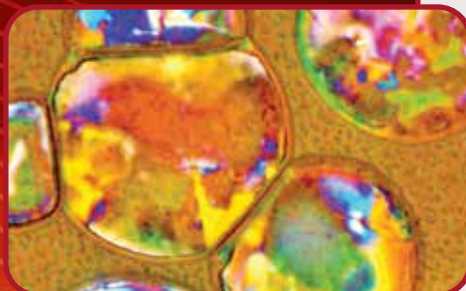


JOM Call for papers

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Manuscript Deadline: *February 1, 2022*

Applications of Autonomous Data Collection and Active Learning

Recent advances in data processing and robotics have expanded the possibilities for real-time data feedback to improve in situ monitoring of characterization and manufacturing processes. This special topic will focus on experimental methodologies that employ automatic data collection routines for materials characterization, with an emphasis on utilizing these data to enable closed loop controls. Papers that focus on automated data collection or experimental design using active or adaptive learning approaches are also invited.

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; Computer Applications and Process Control; Experimental Methods*

Guest Editor(s): *Andrew Polonsky and Amit Pandey:*
apolon@sandia.gov; dramitpandey@gmail.com

Committee Sponsor(s): *Advanced Characterization, Testing, and Simulation*

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