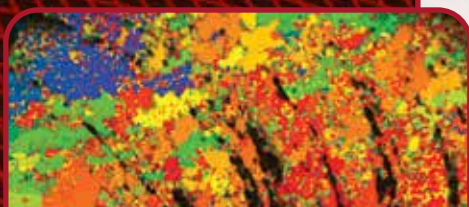
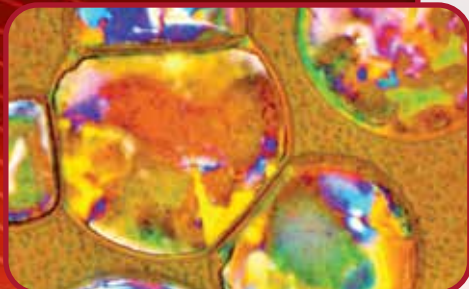


JOM Call for papers

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Manuscript Deadline: *February 1, 2025*

Process Intensification and Coproduction of Materials

This special topic seeks to elucidate innovative approaches toward streamlining unit operations, increasing feedstock flexibility, valorizing byproducts, and reducing waste in the production of materials. Manuscripts focusing on process intensification or coproduction of materials in the fields of mining, extractive metallurgy, chemical metallurgy, pyrometallurgy, additive manufacturing, and concrete will be considered in scope. Articles leveraging state of the art thermodynamic, kinetic, mass transport, thermophysical, and experimental frameworks to design and demonstrate related production approaches are encouraged. Studies addressing scale-up and piloting of novel unit operations, reactor designs, and pathways for process intensification or coproduction of materials are especially welcome.

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: Additive Manufacturing; Extraction and Processing; Manufacturing and Markets; Process Mineralogy; Recycling and Secondary Recovery

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Committee Sponsor(s): Process Technology and Modeling

If you are interested in submitting a paper, upload your manuscript at
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Please note that all submissions will be subject to peer review. Submission does not guarantee acceptance.

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