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TMS2024
153rd Annual Meeting & Exhibition

MARCH 3–7, 2024
HYATT REGENCY ORLANDO
ORLANDO, FLORIDA, USA
#TMSAnnualMeeting



SUBMIT AN ABSTRACT FOR THE FOLLOWING TMS2024 SYMPOSIUM:

MATERIALS SYNTHESIS AND PROCESSING

Rare Metal Extraction & Processing

This symposium will cover extraction of rare metals from primary and secondary materials and residues, recycling of rare metals, as well as rare extraction processing techniques used in metal production.

The focus of this symposium will be on rare metals—less common metals or minor metals (those are not covered by other TMS symposia), such as antimony, bismuth, barium, beryllium, boron, calcium, chromium, gallium, germanium, hafnium, indium, lithium, manganese, molybdenum, platinum group metals, rare earth metals, rhenium, scandium, selenium, sodium, strontium, tantalum, tellurium, and tungsten.

Rare metal processing will cover bio-metallurgy, hydrometallurgy, and electro-metallurgy. Novel high-temperature processes such as microwave heating, solar-thermal reaction synthesis, and cold crucible synthesis of rare metals will be included. Design of extraction equipment used in these processes will be included from suppliers, as well as laboratory and pilot plant studies.

Note regarding publication: Authors seeking an oral or poster presentation opportunity must submit a manuscript for the proceedings or be accepted for publication in a TMS journal.

ORGANIZERS

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