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TMS 2017
146th Annual Meeting & Exhibition



February 26 – March 2, 2017
San Diego, California, USA

RARE METAL EXTRACTION & PROCESSING

This symposium will cover extraction of rare metals as well as rare extraction processing techniques used in metal production. Extraction of rare metals—less common metals or minor metals (not covered by other TMS symposia)—will be covered. This will include elements such as antimony, bismuth, barium, beryllium, boron, calcium, chromium, gallium, germanium, hafnium, indium, manganese, molybdenum, platinum group metals, rare earth metals, rhenium, scandium, selenium, sodium, strontium, tantalum, tellurium, and tungsten—rare metals of low-tonnage sales compared to high-tonnage metals such as iron, copper, nickel, lead, tin, zinc, or light metals such as aluminum, magnesium, or titanium and electronic metalloid silicon.

Rare processing will cover bio-metallurgy, hydro-metallurgy, and electro-metallurgy, as well as extraction of values from electric arc furnace dusts, and less common waste streams not discussed in recycling symposia. Rare 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.

ORGANIZERS

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