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TMS2025
154th Annual Meeting & Exhibition



March 23–27, 2025
MGM Grand Las Vegas
Hotel & Casino
Las Vegas, Nevada, USA
#TMSAnnualMeeting



SUBMIT AN ABSTRACT FOR THE FOLLOWING TMS2025 SYMPOSIUM:

LIGHT METALS

Scandium Extraction and Use in Aluminum Alloys

Scandium is a high-impact alloying addition to aluminum having beneficial effects on several properties and in many aluminum alloy systems. However, the use of aluminum scandium alloys has been limited to low volume, special applications due to the high price of scandium. New sources of scandium are emerging with potentially lower costs in the form of new mines, red mud extraction, extraction from nickel ores and as a by-product of titanium pigment and slag production. Papers on scandium extraction and use in aluminum alloy systems are sought for this symposium. Papers on the metallurgy of aluminium scandium alloy systems and applications are also required.

Session topics will include:

- Scandium extraction from by products
- Aluminum scandium alloys (joint session with aluminum alloys symposium)
- Aluminum scandium alloys additive manufacture. Master alloy production.

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

ORGANIZERS

Timothy Langan, Sunrise Energy Metals; **Les Edwards**, Rain Carbon Inc.

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