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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:

LIGHT METALS Programming

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 aluminum scandium alloy systems and applications are also required. Session topics will include:

- Scandium extraction from byproducts
- Aluminum scandium alloys (joint session with Aluminum Alloys symposium)
- Aluminum scandium alloys additive manufacture
- Master alloy production

A NOTE REGARDING PUBLICATION:

Authors seeking an oral presentation opportunity must submit a manuscript for the *Light Metals 2024* proceedings or be accepted for publication in a TMS journal.

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Timothy Langan, Sunrise Energy Metals, USA

Frank Palm, Airbus, Germany

Thomas Dorin, Deakin University, Australia

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Henk Vander Laan, V.I.C. Van der Laan International Consultancy BV, Netherlands

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