

THE WORLD COMES HERE.
TMS 2023
152nd Annual Meeting & Exhibition

MARCH 19–23, 2023
SAN DIEGO CONVENTION CENTER &
HILTON SAN DIEGO BAYFRONT
SAN DIEGO, CALIFORNIA, USA
#TMSANNUALMEETING



SUBMIT AN ABSTRACT BY JULY 1 FOR THE FOLLOWING TMS2023 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 byproducts
- 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
Samuel Wagstaff, Oculatus
Phil Chataigneau, Imperial Mining Group
Efthymios Balomenos, Mytilineos SA
Andrey Panov, Rusal
Thomas Dorin, Deakin University
M. Akbar Rhamdhani, Swinburne University of Technology
Dimitrios Filippou, Rio Tinto Iron & Titanium
Trevor Abbott, RMIT University
Stephan Broek, Boston Metal

SYMPOSIUM SPONSORS

TMS Light Metals Division
TMS Aluminum Committee

www.tms.org/TMS2023

QUESTIONS?
Contact programming@tms.org