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**TMS 2018**  
147<sup>th</sup> Annual Meeting & Exhibition



**MARCH 11 – 15, 2018**  
**PHOENIX, ARIZONA**

**SUBMIT AN ABSTRACT TO:**

## 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 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 include:

- Scandium sources and extraction
- Scandium extraction from red mud (joint session with Bauxite and Alumina Symposium)
- Aluminum scandium alloys (joint session within Aluminum Alloys Symposium)

## ORGANIZERS

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**ABSTRACT DEADLINE IS JULY 1, 2017. SUBMIT ONLINE AT [www.programmaster.org/TMS2018](http://www.programmaster.org/TMS2018).**

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