

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

Electrode Technology for Aluminum Production

The Electrode Technology for Aluminum Production Symposium is part of the Light Metals program at TMS2023. This is an excellent opportunity to interact with experts from the light metals industry and academia from all over the world and get the latest updates on key issues in the industry. The importance of changes in anode coke supply, increased cell size with larger anodes and cathodes, and cathode wear issues are just some of the issues facing the industry.

You are invited to submit papers of fundamental and applied research in the following subject areas:

- Upstream production of anode and cathode carbon materials
- Production and properties of anode and cathode raw materials
- Anode cover materials
- Pitch and coke mixing, anode forming, and anode baking
- Anode characterization
- Paste plant design and operation
- Baking furnace design and operation
- Mathematical modelling
- Application of Industry 4.0 and big data analysis
- Effects of sulfur and impurities in anodes
- Rodding room design and operation
- Anode quality and performance
- Solutions for carbon plant
- Environmental issues and safety
- Cathode materials and cathode production
- Cell preheating and startup (as related to electrode life)
- Cathode wear and wear mechanisms
- Spent potlining, 1st and 2nd Cut (joint session with Aluminum Reduction)
- Anode butts, handling and properties
- Inert anode and cathode materials, fabrication and performance

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

Roy Cahill, Rio Tinto
Stephan Broek, Boston Metal

SYMPOSIUM SPONSORS

TMS Light Metals Division
TMS Aluminum Committee

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QUESTIONS?
Contact programming@tms.org