

CALL FOR ABSTRACTS

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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

# ELECTRODE TECHNOLOGY SYMPOSIUM FOR ALUMINUM PRODUCTION

The Electrode Technology Symposium for Aluminum Production, along with Aluminum Reduction Technology, Alumina and Bauxite, Cast Shop for Aluminum Production, and Aluminum Alloys, Processing and Characterization collectively form the Light Metals Symposium. 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
- Properties of carbon anode coke, cathode carbon materials and pitch
- Pitch and coke mixing, anode forming and anode baking
- Paste plant design and operation
- Baking furnace design and operation
- 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 pot life)
- Cathode wear and wear mechanisms
- Spent potlining, 1st and 2nd Cut
- Anode butts, handling and properties
- Inert anode and cathode materials, fabrication, and performance

## ORGANIZERS

Xianan Liao, Elkem Carbon, Canada

## SPONSORS

TMS Light Metals Division  
TMS Aluminum Committee

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

**QUESTIONS? CONTACT [programming@tms.org](mailto:programming@tms.org)**