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TMS 2017
146th Annual Meeting & Exhibition



February 26 – March 2, 2017
San Diego, California, USA

ELECTRODE TECHNOLOGY

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 symposium provides 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, first and second cut
- Anode butts, handling and properties
- Inert anode and cathode materials, fabrication and performance

ORGANIZER

Houshang Alamdari, Laval University, Canada

PROCEEDINGS PLANS

Papers from this symposium will be a part of the *Light Metals 2017* proceedings volume. Manuscripts for accepted abstracts are due September 1.

SYMPOSIUM SPONSOR

TMS Aluminum Committee



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