

TMS2016

145th Annual Meeting & Exhibition

FEBRUARY 14-18 DOWNTOWN NASHVILLE,
TENNESSEE MUSIC CITY CENTER

Connecting the Global Minerals, Metals, and Materials Community.



Aluminum Alloys, Processing, and Characterization

This symposium is part of the Light Metals Symposium and covers all aspects of the physical and mechanical metallurgy of aluminum alloys, as well as processing methods applied to solid aluminum. It addresses fundamental and applied research as well as product development, testing, and implementation of aluminum foil, sheet, plate, extrusions, forgings, and composites for end applications, including transportation (automotive, aerospace, and marine), packaging, and other key product segments. It also addresses the main thermo-mechanical downstream processing routes used to fabricate these products, including hot and cold rolling, strip casting, extrusion, forging, and drawing. The symposium will consist of invited as well as contributed papers.

Topics include the following and related areas:

- Alloy Development
- Process Innovation
- Microstructure Evolution and Characterization
- Mechanical Behavior
- Failure Analysis
- Material Modeling and Simulation
- Machine Design
- Process Control
- Measurement Technology
- Process Modeling
- Heat Transfer
- Surface Generation
- Defect Measurement and Control

It is intended to run dedicated sessions for the specific areas and processes.

Organizers include:

Steven Long, Kaiser Aluminum Corporation (USA)

Learn More

at www.tms.org/TMS2016