

THE WORLD COMES HERE  
**TMS2019**  
148<sup>th</sup> Annual Meeting & Exhibition

**REGISTER  
TODAY!**

March 10–14, 2019  
San Antonio, Texas, USA

**JOIN US FOR THIS TMS2019 SYMPOSIUM:**

**MATERIALS PROCESSING**

**Ultrasonic Processing of Liquid and Solidifying Alloys**

This symposium will provide a platform for worldwide academic and industrial researchers in the field of solidification, casting, and molten metal processing to present the very recent advances concerning the fundamental and applied research in ultrasonic processing of liquid and solidifying alloys, and its applications in industry.

For example, the improvement of quality, structure, and properties of aluminum, magnesium alloys, and many other advanced metallic alloys and composites through application of ultrasonic cavitation and mixing gained a lot of interest in the last 15 years, and is now spreading into industrial applications.

Symposium topics will cover, but are not limited to:

- modelling
- advanced in-situ studies
- experimental studies and physical simulations
- technology development
- industrial applications

**ORGANIZERS**

**Dmitry G. Eskin**, Brunel University, United Kingdom

**Laurentiu Nastac**, The University of Alabama, USA

**Iakovos Tzanakis**, Oxford Brookes University, United Kingdom

**Koulis Pericleous**, University of Greenwich, United Kingdom

Nearly 4,000 presentations are planned  
at more than 80 symposia at TMS2019.

Visit [www.tms.org/TMS2019](http://www.tms.org/TMS2019)  
today to register and book housing.