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**TMS 2018**  
147<sup>th</sup> Annual Meeting & Exhibition



**MARCH 11 – 15, 2018**  
**PHOENIX, ARIZONA**

**SUBMIT AN ABSTRACT TO:**

## PHYSICAL METALLURGY

# FRONTIERS IN SOLIDIFICATION SCIENCE AND ENGINEERING

This symposium is focused on providing a forum for emerging developments in experimental, analytical, and computational solidification science and engineering. The objective is to bring together leading researchers in the field of solidification to discuss new advances within solidification science and methodologies for translating this new knowledge to practical applications.

Topics of interest include:

- Fundamentals of solidification (e.g. nucleation, morphological stability, and interface kinetics)
- In-situ observation
- Microstructure and defect formation and analysis
- Mushy zone dynamics
- Multi-scale phenomena
- Multi-scale computational methods
- Novel processing techniques

Contributions presenting novel characterization techniques, property measurements, and computational simulations are encouraged.

## ORGANIZERS

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**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)**