

**JOIN US AT:**

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**TMS 2017**  
146<sup>th</sup> Annual Meeting & Exhibition



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

## **PHASE TRANSFORMATIONS AND MICROSTRUCTURAL EVOLUTION**

Phase transformation is still one of the most effective and efficient means to produce desired microstructures in materials for various applications. This symposium is the third in a series of annual TMS symposia focusing on phase transformations and microstructural evolution in materials during processing and in service. It intends to bring together theoretical, experimental, and computational experts to assess the current status of theories of phase transformations and microstructure evolution in solid states. In addition to fundamental understanding of the mechanisms underlying phase transformations and microstructure evolution, attention will also be given to the utilization of unique transformation pathways to develop novel microstructures for advanced structural and functional materials.

Topics of choice for this year, include:

- Phase stability and transformations in high entropy/complex concentrated alloys
- Phase transformations in magnetic materials
- Phase transformations during additive manufacturing of metals and alloy
- Phase transformations involved in shape memory alloys

### **ORGANIZERS**

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### **SYMPOSIUM SPONSOR**

TMS Phase Transformations Committee

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