THE WORLD COMES HERE

TMS 2026

155th Annual Meeting & Exhibition

March 15–19, 2026
San Diego Convention Center
and Hilton San Diego Bayfront
San Diego, California, USA
#TMSAnnualMeeting

SUBMIT AN ABSTRACT FOR THE FOLLOWING SYMPOSIUM

MATERIALS SYNTHESIS AND PROCESSING

Phase Transformations and Microstructural Evolution

Phase transformations play a critical role in the structure, processing, properties, and performance of materials. This symposium is a continuation of a series of annual TMS symposia focusing on phase transformations and microstructural evolution during materials processing or under service conditions. The goal of this symposium is to assess the status of phase transformation theories and discuss innovations and new insights from experiments, theory, and computational modeling.

The topics of choice for this year include but are not limited to:

1. Phase transformations and microstructure evolution in metals and alloys for structural, magnetic, and hydrogen storage applications.
2. Solidification and subsequent solid-state phase transformations in advanced manufacturing processes.
3. Microstructural evolution under far-from-equilibrium processing conditions or complex thermomechanical history.
4. Advanced defect engineering techniques assisted by phase transformations.
5. Engineering metastability for improved properties.

SPONSORED BY:
TMS Materials Processing & Manufacturing Division; TMS Phase Transformations Committee

ORGANIZED BY:

- **Sriswaroop Dasari,** University of Texas at El Paso
- **Michael Haines,** National Institute of Standards and Technology
- **Adriana Eres-Castellanos,** Los Alamos National Laboratory
- **Abhishek Sharma,** University of North Texas
- **Hui-Chia Yu,** Michigan State University
- **Ashley Paz y Puente,** University of Cincinnati
- **Sophie Primig,** University of New South Wales