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TMS 2024

153rd Annual Meeting & Exhibition

MARCH 3–7, 2024
HYATT REGENCY ORLANDO
ORLANDO, FLORIDA, USA
#TMSAnnualMeeting

SUBMIT AN ABSTRACT FOR THE FOLLOWING TMS2024 SYMPOSIUM:

LIGHT METALS

ADVANCES IN TITANIUM TECHNOLOGY

This will be the yearly signature symposium for the TMS Titanium Committee and will gather titanium experts and researchers from all over the world. This symposium will address recent advances in titanium technology and serve as an international forum for scientists, engineers, and technologists from industry, academia, and research laboratories to share the latest progress and exchange ideas on the state-of-the-art in processing-microstructure-property relationships of titanium and titanium alloys. The symposium will cover all aspects of the physical and mechanical metallurgy of titanium and titanium alloys, processing techniques, product development, alloys design, microstructure exploration, and performance evaluation.

The topics of choice include, but are not limited to:

- Titanium and titanium alloys, including near alpha alloys, alpha+beta alloys, metastable beta alloys, intermetallic alloys, and titanium matrix composites
- Processing of titanium and titanium alloys using advanced techniques
- Phase transformations and microstructural evolution in titanium and titanium alloys
- Mechanical behavior and performance of titanium and titanium alloys

The special topics focused on this year will include:

- Additive manufacturing of titanium alloys
- The application of data science in advancing titanium technology
- Advances related to the application of three-dimensional characterization in titanium metallurgy
- Development and deployment of titanium alloys for harsh-environment applications.

ORGANIZERS

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SYMPOSIUM SPONSORS

TMS Structural Materials Division
TMS Titanium Committee

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QUESTIONS?

Contact programming@tms.org