THE WORLD COMES HERE.

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 Programming

LIGHT METALS

MAGNESIUM TECHNOLOGY 2024

This symposium is one of the largest yearly gatherings of magnesium specialists in the world. Papers are presented on all aspects of magnesium technology, ranging from primary production to applications and recycling, as well as from basic research to industrialization. The symposium will cover, but is not limited to, the following topics:

- Novel extraction techniques
- Primary production
- Alloys and their production
- Integrated Computational Materials Engineering
- Thermodynamics and kinetics
- Plasticity mechanisms
- Cast products/processing (high-pressure die casting, semi-solid processing, etc.)
- Wrought products/processing (feedstock manufacturing, rolling, extrusion, forging, etc.)
- Forming, joining, machining
- In-situ methods/micro-CT analysis
- Corrosion (protection) and surface finishing
- Fatigue and fracture
- Dynamic response
- Structural applications (automotive, aerospace, etc.)
- Degradation and biomedical applications
- Emerging applications (batteries, hydrogen storage energy material, fracking)
- Additive manufacturing of powders
- Recycling/ecological issues/life cycle analysis

A NOTE REGARDING PUBLICATION:

In keeping with the long-standing tradition of presenting the most recent and highest quality work on magnesium, this symposium features a collection of manuscripts in an edited book entitled *Magnesium Technology 2024*. This book features the finest and latest breaking articles in magnesium research from the past year and is listed with the main indexing services, including Elsevier Engineering Index and Thomas Reuters Conference Proceedings Citation Index, as well as published as a Google eBook online, making its articles readily searchable and available on the web and citable. A condition of delivering an oral presentation is submitting a paper or an extended abstract, consisting of at least 500 words and one figure as well as appropriate references, for inclusion in the *Magnesium Technology 2024* book. Full manuscripts are encouraged. Exemptions are only permissible if: (1) publishing in TMS journals, specifically *Metallurgical and Materials Transactions A* or *B*, *Integrating Materials and Manufacturing Innovation*, *JOM*, or other TMS-sponsored journals by the same group of authors in the same year. Exemptions will only be provided to those furnishing an AUTHORS COPY of their manuscript, letter of acceptance from the editor, or similar document illustrating that the manuscript was accepted by a TMS-sponsored journal by the deadline of SEPTEMBER 10, 2023. (2) It is not required to submit a manuscript if you are planning to make a poster presentation. Therefore, you may still submit an abstract to the Magnesium Technology 2024 symposium for a poster presentation. Please ensure your paper is submitted on time, and thank you for your interest in the Magnesium Technology 2024 Symposium.

ORGANIZERS

Aeriel Murphy-Leonard, Ohio State University, USA
Steven Barela, Terves, Inc, USA
Neale Neelameggham, IND LLC, USA
Victoria Miller, University of Florida, USA

SYMPOSIUM SPONSORS

TMS Light Metals Division
TMS Magnesium Committee

www.tms.org/TMS2024

QUESTIONS?
Contact programming@tms.org