



## SUBMIT AN ABSTRACT FOR THE FOLLOWING SYMPOSIUM

### ELECTRONIC, MAGNETIC, AND ENERGY MATERIALS

## Alloys and Compounds for Thermoelectric and Solar Cell Applications XIV

We are pleased to announce the Call for Papers for the symposium “Alloys and Compounds for Thermoelectric and Solar Cell Applications XIV,” which will be held during the 2026 TMS Annual Meeting in San Diego, California. This symposium will provide a dynamic platform for researchers, scientists, and industry professionals to present and discuss the latest advancements in thermoelectric and solar cell materials.

#### Symposium Scope

The symposium will focus on various topics related to alloys and compounds used in thermoelectric and solar cell devices. Emphasis will be placed on the following areas:

#### Synthesis and Fabrication:

- Development of novel synthesis techniques for thermoelectric and photovoltaic materials.
- Scalable and cost-effective production methods for large-scale applications.

#### Transport Properties:

- Electrical, thermal, and optical transport properties of thermoelectric and solar cell materials.
- Correlations between microstructural characteristics and transport behavior.

#### Phase Stability and Transformation:

- Investigations of phase stability under varying environmental conditions.
- Phase transformation mechanisms affecting device performance.

#### Advanced Characterization:

- Use of state-of-the-art techniques to characterize material properties.
- Real-time analysis of materials under operational conditions.

#### Materials of Interest:

- Established materials such as skutterudites, superlattices, half-Heusler alloys, CdTe, CIS, CIGS, and CZTS.
- Emerging materials and compounds tailored for next-generation thermoelectric and photovoltaic applications.

#### SPONSORED BY:

TMS Functional Materials Division; TMS Alloy Phases Committee

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**QUESTIONS?**

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