THE WORLD COMES HERE.

TMS 2025

154th Annual Meeting & Exhibition

March 23–27, 2025
MGM Grand Las Vegas
Hotel & Casino
Las Vegas, Nevada, USA
#TMSAnnualMeeting

SUBMIT AN ABSTRACT FOR THE FOLLOWING TMS2025 SYMPOSIUM:

SPECIAL TOPICS

Looking Outside Materials Science: Lessons Learned for and from Materials Discovery - A Student-Led Symposium

Presentations by invitation only. Materials science stands as a cornerstone of advancement, opening myriad pathways for innovation. In a rapidly evolving technological landscape, we recognize that industries are increasingly reliant on computational tools. It is also important to acknowledge other research areas and fields that have developed tools that may be leveraged for materials exploration. Such interdisciplinary collaborations and opportunities for convergence research are essential, particularly where materials design and development are critical. This symposium will spotlight the exchange of tools between materials science and a set of diverse and sometimes unlikely partners or industries. Some examples may include geological research methodologies, the field of nanomaterials for precise drug delivery, medical image processing techniques, and additive manufacturing of advanced biomaterials. We aim to illuminate these collaborations and innovative approaches using materials science as a versatile tool for shaping the future across various domains.

This year's symposium focuses on the following areas:
- Experimental and/or computational tools from material science being modified for use in other fields and industries.
- How tools in other fields can be modified and leveraged for materials design and discovery.

ORGANIZERS
Katelyn Jones, Carnegie Mellon University**; Robert Daniel Moore,** Lehigh University**; Yasir Mahmood,** Clemson University**; Ashley Spear,** University of Utah**; Natasha Vermaak,** Lehigh University

SYMPOSIUM SPONSORS
TMS Materials Processing & Manufacturing Division, TMS Computational Materials Science and Engineering Committee