

Fluxtrol Student Research Competition

Sponsored By:



Heat Treat 2027, co-located with IMAT 2027, will feature the Young Innovative Scientists & Professionals Competition, a competition-based award and recognition program designed to encourage participation from emerging scientists and professionals in the ASM Heat Treating Society and provide valuable opportunities to engage with the worldwide thermal processing community.

We are soliciting abstract submissions focused on the thermal processing of metal and metal-containing components for consideration in this competition.

Eligibility

The competition is open to students who:

- Are currently pursuing an undergraduate or postgraduate degree at a university; **or**
- Are within one year of graduation and conducted the research while enrolled at a university; and
- Have completed an aspect of thermal processing research.

The submitted work must be presented by the student author onsite in Columbus, Ohio, USA.

Competition Format

This is a two-phase competition and award program.

Phase 1: Poster Competition

Students selected to participate will prepare a poster highlighting their research and present their work during a special poster session at Heat Treat 2027, co-located with IMAT 2027.

Posters will be evaluated by an international panel of thermal processing professionals representing both academia and industry. Based on the cumulative scores from the judges, the highest-scoring student posters will be selected as semi-finalists.

Semi-finalists will be invited to advance to Phase 2 and present their research orally during a special session at Heat Treat 2027.

Phase 2: Oral Presentation Competition

Semi-finalists selected from the poster competition will deliver an oral presentation of their research.

- **Presentation:** 7 minutes maximum
- **Questions:** 3 minutes with the judges

Each presentation will be evaluated based on originality, experimental and research results, and presentation style.

Submission

Students should follow the Heat Treat 2027 Technical Program abstract submission guidelines when preparing and submitting their abstracts.

SUBMISSION DEADLINE: August 31, 2027, at 11:59 PM Eastern

Finalists & Awards

All finalists will be required to present onsite in Columbus, Ohio, USA, and register to attend Heat Treat 2027.

The competition winner will be announced at the conclusion of the Phase 2 oral presentation session.

Awards, courtesy of Fluxtrol:

- **1st Place:** \$2,500
- **2nd Place:** \$1,000
- **3rd Place:** \$500