

Fluxtrol Student Research Competition

IFHTSE World Congress 2024 will offer the young innovative scientists/professionals competition-based award and recognition program, seeking to encourage participation of young scientists in the ASM Heat Treating Society, and to provide attractive offers and opportunities in the worldwide Thermal Processing community. We are soliciting abstract submissions based on thermal processing of metal/metal containing components for this competition.

Eligibility:

Students who are currently pursuing an undergraduate or post graduate degree at a University or are within one year of graduation, but conducted the research while still enrolled at a University, having completed an aspect of thermal processing research. Submission of completed abstract must be presented by the student author onsite in Cleveland, Ohio.

Review/Format:

This is a two-phase competition/award. **Phase 1:** students will prepare a poster highlighting their work and present during a special poster session during IFHTSE World Congress 2024. The submitted posters will be evaluated by an international team of thermal processing professionals from both academia and industry. The student posters with the highest cumulative scores from the judges will be named semi-finalists; and the student authors will be invited to present their work orally in a special session during IFHTSE World Congress 2024.

Phase 2: Semi-finalists selected from the poster session will then give an oral presentation. Presentations will be no more than 7 minutes in length with 3 minutes for questions from the judges. Each oral presentation will be evaluated and scored for originality, experimental and research results and presentation style.

Submission:

Students will follow guidelines for the IFHTSE World Congress 2024 technical program abstract submission. **SUBMISSION DEADLINE: May 31, 2024, 11:59 PM Eastern. SPECIAL NOTE:** students who wish to include a manuscript in the IFHTSE World Congress 2024 conference proceedings will need to adhere to the same (earlier) deadlines as authors in the general IFHTSE World Congress 2024 technical program.

Finalist: All finalists will be required to present onsite in Cleveland, Ohio, and register to attend IFHTSE World Congress. The winner of the competition will be announced at the end of the oral presentation session (Phase 2) and will receive the following, courtesy of Fluxtrol:

- 1st place: \$2,500 cash prize
- 2nd place: \$1,000
- 3rd place: \$500