



Enter Your Undergraduate Metalcasting Research Project
\$4,000 in scholarships will be awarded • Entries due March 18

The IJMC/FEF Student Research Competition empowers undergraduate college students to showcase their metalcasting research projects at CastExpo 2022. Winners will earn scholarships and be published in the *International Journal of Metalcasting*!

All eligible submissions will be judged by a leading panel comprised of the AFS Research Board and officers of the AFS Technical Council. Up to \$4,000 in total scholarships will be awarded.

Qualifications

- Open to North American citizens who are undergraduate students currently enrolled in metalcasting-related programs at FEF-certified and affiliated schools.
- Applicants must be registered with FEF, have a current student membership with AFS, and be enrolled in the current academic year.
- Entries must represent current or recent undergraduate-level work performed by the student(s) in metalcasting technology or molten metal processing.
- Group projects are permitted. Each student may enter only one submission. Groups will split scholarship money.
- All presenting students must register and attend CastExpo 2022 (April 23-26, 2022) in Columbus, OH. CastExpo registration is complimentary for all student members. Students must be available for presentations and a live Q&A with judges at CastExpo on the afternoon of Saturday, April 23, 2022.

Presentation Details & Participation Guidelines

- Entries consist of narrated PowerPoint presentations reflecting a student's or group's research. Presentations must include: Abstract, Introduction, Objectives, Testing Methodology, Results, Conclusions, and References.
- Narration should be recorded in PowerPoint and explain the project and its conclusions as presented in the slides, similar to a live research presentation.
- Students must use the PowerPoint template provided at www.afsinc.org/ijmc-fef-student-research-competition.
- Select entrants will be invited to showcase their projects live on the show floor at CastExpo 2022 on Saturday, April 23, 2022, in Columbus, OH. Students will field questions from judges.
- Presentations are due no later than **Friday, March 18, 2022**. Submit PowerPoints to bwallace@afsinc.org. Please include names, project title, and college/university in your email message.

Judging Criteria

	<i>Points</i>
<i>Technical Content</i>	
Completeness of work, interpretation of work, and results, analysis, discussion, references/bibliography. Sufficiency of data to validate conclusions.	40
<i>Relevance</i>	
Relevance and applicability of the research to the metalcasting industry.	25
<i>Innovation</i>	
Originality of ideas, concepts or approach.	25
<i>Presentation</i>	
Overall style is effective. Information is concise and logically organized.	10
<i>Total Points</i>	100