



# 2021 AFS/FEF Student Research Competition

Call for submissions – \$2,000 in scholarships will be awarded



## Submit Your Undergraduate Research Project Now

Organized by the American Foundry Society (AFS) and the Foundry Educational Foundation (FEF), the **AFS/FEF Student Research Competition** is an opportunity for students to showcase their undergraduate research projects at the 125<sup>th</sup> Virtual Metalcasting Congress (April 12-22, 2021). All eligible submissions will be judged by AFS technical staff and a panel of metalcasting industry experts. The winner will receive an FEF scholarship. Top submissions also will be published in the *International Journal of Metalcasting*.

### Qualifications

The **AFS/FEF Student Research Competition** is open to North American citizens who are undergraduate students currently enrolled in metalcasting-related programs at FEF-certified and affiliated schools. Students must be registered with FEF, have a current student membership with AFS, and be enrolled in the current academic year. The project must represent current or recent undergraduate-level work performed by the student(s) in metalcasting technology or molten metal processing. Each student may enter only one submission.

All presenting students must be registered for the 125<sup>th</sup> Metalcasting Congress (streaming live online April 12-22, 2021). Congress registration is complimentary with active AFS student membership.

### Presentation Details

Students must submit a PowerPoint presentation (approximately 7 slides) containing a **Title, Abstract, Introduction, Testing Methodology, Results, Conclusion** and **References**. A PowerPoint template is provided.

Each presentation will be approximately 10 minutes long. It must include a recorded voiceover explaining the research as it corresponds to the slides listed above. Voice recordings can be made in PowerPoint.

The winner of the competition will do a live webinar presentation of the research that will be determined at a later date.

### Participation Guidelines

Online applications including name(s) of presenting authors, project title, and abstract are due by **February 26<sup>th</sup>, 2021**. Applications must be completed at <https://www.surveymonkey.com/r/2021StudentTech>.

Students must use the provided Powerpoint template available at <http://bit.ly/2021StudentTemplate>.

A proof of the presentation is due no later than **Friday, March 12<sup>th</sup>, 2021**.

### Judging Criteria

#### Points

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

**QUESTIONS?** Contact: Bo Wallace, Senior Technical Associate, American Foundry Society at [bwallace@afsinc.org](mailto:bwallace@afsinc.org).