The Aerospace Division of ASEE invites full length and work-in-progress papers for the 129th Annual Conference and Exposition. Aerospace educators, engineers, and scientists in industry from across the world are invited to submit current papers on relevant topics in aeronautical/aerospace engineering and technology education.

Suggested topics include, but are not limited to:

1. *Engineering Epistemologies* (research on what constitutes engineering thinking and knowledge within social contexts now and in the future)
   - Professional development of aerospace engineers
   - Integration of professional skills into an aerospace engineering course
   - Aerospace systems engineering

2. *Engineering Learning Mechanisms* (research on engineering learners’ developing knowledge and competencies in context)
   - Aircraft and/or spacecraft design education
   - Capstone and/or student industry experiences
   - Hands-on experiences (which may include laboratory classes)
   - Aerospace related educational activities conducted outside the classroom
   - Integration of Unmanned Aerial Vehicles, CubeSats or Nanosats in the curriculum

3. *Engineering Learning Systems* (research on the instructional culture, institutional infrastructure, and epistemology of engineering educators)
   - Effective and innovative teaching and projects in aerospace courses

4. *Engineering Diversity, Equity and Inclusiveness* (research on how diverse human talents contribute solutions to the social and global challenges and relevance of our profession)
   - K-12 outreach
   - Student persistence in aerospace engineering
   - Women and under-represented groups in aerospace engineering (academia and industry)

5. *Engineering Assessment* (research on, and the development of, assessment methods, instruments, and metrics to inform engineering education practice and learning)
   - Aerospace engineering curriculum development or assessment

6. Any other topics of interest to the aerospace engineering community
   - Teaching strategies and lessons learned for effectively delivering courses and hands-on activities, or addressing any of the preceding topics, in remote/online settings
**Student Papers**
The Aerospace Division invites students to submit student-authored papers in all areas related to aerospace engineering and technology education. Turn your thoughts and observations into reality! Help shape the future of how engineering or technology is perceived and taught!

**Requirements for student papers**
- Work is mainly conducted by undergraduate or graduate student(s) in collaboration with a faculty advisor. The final paper of each accepted paper will list a student as the lead author and faculty advisor as a co-author.
- Each student presenter must register for the annual conference.
- Paper has a significant educational component.

**Student Paper Awards**
Up to 3 student papers will be recognized by both cash awards and certificates. Only the papers presented by the student authors or co-authors are eligible for student paper awards. Award money is split between student co-authors.
- Superior: $500
- Distinguished: $300
- Meritorious: $200

**Abstract Submission tips and guidelines**
Abstracts, with approximately 500 words, must be submitted electronically through the ASEE paper submission system. The abstracts should contain enough detail on the topic of discussion, methodologies, preliminary results (if any) and expected outcomes to facilitate informed review of the abstract. Abstracts and papers will be double-blind peer-reviewed and judged based on the level of innovation, technical merit, demonstrated outcomes, and relevance to advancing aeronautical and aerospace engineering and technology education as appropriate. Special sessions, such as panel discussions, are encouraged but should be discussed directly with the program chair prior to abstract submission. Please refer to the Author's Kit, available at the ASEE Annual Conference web site, for additional information.

- If the paper is a “Work-in-Progress”, please include that in the title.
- Please remember to remove all identifying information (author names, agencies, universities, etc)

Questions regarding the abstract or paper submissions can be directed to the Aerospace Division Program Chair, Dr Tracy Yother, Purdue University by email: tyother@purdue.edu.

Further details on Paper Management, Conference, Travel, Program Schedule and Registration can be found at ASEE’s 2022 Annual Conference and Exposition website: https://www.asee.org/annual-conference/2022

**Important Dates:**
- Abstract Submission Open – October 11, 2021
- Abstract Submission Due – November 8, 2021