

# 2016 ASEE Annual Conference Call for Papers

The **Aerospace Division (AERO)** of ASEE invites papers for the 2016 Annual Conference and Exposition (New Orleans, Louisiana, June 26-29, 2016). Aerospace educators as well as engineers and scientists in industry from across the world are invited to submit current papers on any relevant topic in aeronautical and 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 into the future)
  - Professional development of aerospace engineers
  - Systems engineering
  - Integration of professional skills into an aerospace engineering course
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)
  - Educational activities conducted outside the classroom
  - Integration of CubeSats or nanosats projects into 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 any and all aerospace courses
4. *Engineering Diversity 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
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

## **New this year:**

The AERO Division will be co-sponsoring a special session with DEED on teaching aerospace capstone design and hosting a special session featuring student authored papers. The student papers may include educational research in aerospace engineering, student views of new educational methods including student competitions, innovative teaching by graduate TAs in lectures, labs, or recitations, or other research in aerospace engineering or technology. Certificate and cash awards will be presented to student authors of the best AERO student papers (up to three).

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## Submission tips and guidelines

Abstracts of 300-500 words must be submitted electronically through the ASEE paper submission system by the deadline of October 19, 2015. Authors of each accepted abstract will have the opportunity to submit a full paper draft by the deadline of February 1, 2016. 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.

Questions regarding the abstract or paper submission can be directed to the AERO Program Chair, Dr. Masoud Rais-Rohani, Department of Aerospace Engineering, Mississippi State University, by email: [masoud@ae.msstate.edu](mailto:masoud@ae.msstate.edu) or by phone: 662-325-5632.

Please see ASEE's 2016 Annual Conference and Exposition website to retrieve updates and information regarding deadlines.

<https://www.asee.org/conferences-and-events/conferences/annual-conference/2016>