52nd AIAA Dayton-Cincinnati Aerospace Sciences Symposium

CALL FOR ABSTRACTS

Keynote: Brig Gen Doug Wickert
Commander, Air Force Research Laboratory



The Dayton-Cincinnati AIAA Section invites you to share your latest research and innovations at our 52nd Dayton-Cincinnati Aerospace Sciences Symposium (DCASS). DCASS is an annual event offering a unique forum for technical interchange among members of the aerospace community. The symposium will include a keynote address from Brig Gen Doug "Beaker" Wickert, Commander, Air Force Research Laboratory, and parallel technical sessions in the morning and afternoon.

Symposium Date: Tuesday, 9 March 2027
Location: Sinclair Conference Center, Dayton, OH

We are soliciting high-quality technical presentations in all general areas of aerospace science and technology. Submissions are particularly encouraged in, but not limited to, the following key areas:

- Applied Aerodynamics
- Combustion and Fuels
- Turbomachinery
- Aircraft and UAS Design
- Space Systems and Structures
- Machine Learning
- Digital Engineering
- Fluid Dynamics
- Heat Transfer
- Propulsion
- Materials and Structures
- Orbital Mechanics
- Artificial Intelligence
- Model Based System Engineering
- Computational Fluid Dynamics
- Thermal Management
- Imaging and Diagnostics
- Flight Dynamics and Controls
- Data Analysis
- Uncertainty Quantification
- Experimental Methods

All presentations will be limited to 20 minutes, including Q&A. Attendees are also encouraged to participate in the associated Art-in-Science competition by submitting videos or images that combine technical content and aesthetic appeal. Note that DCASS is a presentation-only forum and does not require a written paper, making it an ideal venue for presenting work currently under development or slated for other technical forums.

Submit your abstract today through the symposium website. It provides upload instructions and will generate an email notification upon abstract acceptance. Please allow sufficient time for any required public release approval.

https://www.aiaa-daycin.org/DCASS

Priority Abstract Submission: 15 January 2027
Submissions by this date receive priority review and placement.

Final Abstract Submission: 05 February 2027
Abstracts submitted after the priority deadline will be considered based on quality and program openings.