

# 51<sup>st</sup> Dayton-Cincinnati Aerospace Sciences Symposium

## Instructions for Session Chairs

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Christopher Ruscher  
Markus Rumpfkeil  
James Rutledge

General Chair  
Venue Chair  
Technical Program Chair

### **Contact your speakers**

You have been provided corresponding e-mail addresses for your presentations. Please contact the speakers to ensure that they are aware of their obligations and to get biographical information for introductions. Please remind speakers that it is customary for presenters at academic conferences to remain present in the room for all presentations in the session if possible.

### **Maintain control of the equipment**

Each room is furnished with a digital projector, a screen, and a pointer. Some larger rooms also have a microphone. If you have any difficulty with the equipment, please notify the registration table immediately so they can contact facility IT for assistance. Make sure all equipment remains in the room. No overhead slide/transparency projector will be provided; if one is required, please contact Markus Rumpfkeil no later than the day before the symposium.

### **Provide a laptop**

Rooms are equipped with computers running Windows and PowerPoint. These computers can read and project presentations stored on a USB device. Note that only approved storage devices may be used with government computers, in which case we recommend approved external hard drives or optical media for transferring presentations. Speakers who cannot provide their presentation on a USB device or who require a different operating system or software must provide their own laptop. If possible, we recommend using a single computer to avoid delays that can arise when changing hardware.

### **Manage the schedule**

It is important to maintain the schedule; people attend multiple sessions and expect the schedule to be correct. Each presentation is, therefore, strictly limited to 20 minutes, including time for questions. Inform speakers as they near their time limit and stop speakers if necessary. If a presentation is withdrawn, do not move other presentations to fill the vacant slot. Instead, take a break and invite people to return for the next presentation.

### **Moderate questions**

The chair is responsible for moderating the questions and should be prepared to ask at least one question if none are offered by the audience.

### **Score presentations**

Score each paper in your session except those that you present yourself. You may score a paper on which you are a co-author so long as you believe you can do so without bias. To help ensure a consistent treatment of scores between the many chairs, we request that you also grade at least three papers from sister sessions in your award category, as identified on the following page. Score sheets are included. These scores will be used to select the best presentations, so your careful consideration is requested. Please drop off your completed evaluations at the registration desk. If required, a scan copy of your completed evaluations form may be emailed to [dcass.aiaa@gmail.com](mailto:dcass.aiaa@gmail.com), but please do so within a few days of the symposium.

### **Request feedback**

Please remind attendees to complete their DCASS evaluation forms.

Thank you for your support. Your assistance helps to make DCASS a success and is very appreciated.

# Award Categories

The following session groups are used to determine best presentation awards. If the sessions are not concurrent, please try to review at least three papers in other sessions within your award category. This will help us to fairly evaluate all presentations.

<b>AWARD CATEGORY</b>	<b>SESSIONS</b>
<b>Aerodynamics</b>	
a. Acoustics	9
b. Shock Waves	16
c. Supersonic & Hypersonic Flow	19
d. Unsteady & Turbulent Flow Dynamics	17
<b>Air &amp; Space Vehicle Technology</b>	
a. Advanced Propulsion & Power Concepts	14
b. Flight Dynamics & Control Systems	32
c. UAS & High-Speed Vehicle Design	8
d. Flow Control & Analysis	26
<b>Combustion &amp; Propulsion</b>	
a. Combustion Stability & Thermoacoustics	27
b. Combustion, Pulse Jets & Thermophysics	22
c. Propulsion Systems & Diagnostics	28
d. Rotating Detonation Combustors	6
<b>Digital Engineering &amp; Machine Learning</b>	
a. Data Analysis & Uncertainty Quantification	23
b. Digital Engineering & Accelerated CFD	12
c. Machine Learning for Aerospace Applications 1	4
d. Machine Learning for Aerospace Applications 2	20
<b>Fluid Dynamics</b>	
a. Propulsion System Fluidics	10
b. Computational Fluid Dynamics 1	1
c. Computational Fluid Dynamics 2	25
d. Fluid Dynamics of Jets, Sprays & Propellers	2
<b>Heat Transfer &amp; Thermal Management</b>	
a. Film Cooling & Thermal Protection	18
b. Heat Exchangers & Two-Phase Flow	24
c. High Temperature Heat Transfer & TPS	3
d. Thermal Management Systems	11
<b>Materials &amp; Structures</b>	
a. Additively Manufactured Structures	29
b. Composite Materials & Analysis	21
c. Materials & Structures: Modeling & Validation	13
d. Materials for Extreme Environments	5
<b>Space Systems &amp; Dynamics</b>	
a. Space Systems & Robotics	7
b. Spacecraft Design	15
c. Spaceflight Dynamics	31

# Session Chair Evaluation Form

## TURN IN BEFORE YOU LEAVE

**SESSION NUMBER** \_\_\_\_\_

**SESSION NAME** \_\_\_\_\_

**SESSION CHAIR** \_\_\_\_\_

### INSTRUCTIONS

Please provide a numerical score in each category for every presentation in your session. If possible, on the reverse side score at least three presentations in sister session(s). You are also welcome to identify the best two presentations that you see over the course of the day, regardless of session. Using the following scale, a typical session will have a high score of 7, with 8 and above reserved for superior presentations.

1	2	3	4	5	6	7	8	9	10
Deficient		Poor	Below Average	Average	Good	Very Good		Excellent	Exceptional
Bottom 1%	Bottom 5%	Bottom 10%	Bottom 25%	Bottom 50%	Top 50%	Top 25%	Top 10%	Top 5%	Top 1%

### Your Session

Presentation Number	Presenter Name	Attendance	Innovation & Level of Effort	Technical Contribution	Presentation Quality
51DCASS-					
51DCASS-					
51DCASS-					
51DCASS-					
51DCASS-					

