



# Aerospace Control and Guidance Systems Committee Meeting No. 136

## Spring 2026 Virtual Meeting

### DRAFT AGENDA (03/29/26)

<b>Chairman</b>	John Valasek
<b>Vice-Chairman</b>	Haithem Taha (Online)
<b>Immediate Past Chairman</b>	Jeb Orr
<b>Treasurer</b>	Stan Pszczolkowski
<b>Secretary</b>	Kevin Duda

<b>Planning Advisory Board Members</b>		
Mike Bolender Oliver Brieger Dave Doman Marge Draper-Donley Jared Grauer	Philippe Goupil Irene Gregory Phil Hattis Dave Klyde Brian Lee	Raman Mehra Chris Miller Dave Mitchell Kevin Wise Tansel Yucelen Jeff Saunders

<b>PAB Emeritus</b>				
Shawn Donley	Ron Hess	Lou Knotts	Gavin Jenney	Dave Schmidt

<b>WEDNESDAY, 08 April 2026 – Day 1</b>	
11:00 am – 11:20 am	<b>GENERAL BUSINESS MEETING –</b> John Valasek – ACGSC Chair
11:20 am – 1:20 pm	<b>General Session</b> <ul style="list-style-type: none"> <li>- Oliver Brieger, Airbus</li> <li>- Dave Mitchell, Mitchell Aerospace</li> <li>- Rahman Mehra, SSCI</li> <li>- John Valasek, Texas A&amp;M</li> <li>- Chris Miller, NASA Armstrong.</li> <li>- Jared Grauer, NASA Langley</li> <li>- Dominik Niedermeier, DLR</li> <li>- Alec Bateman, Barron Associates</li> <li>- Zhaodan Kong, UC Davis</li> <li>- Evangelos Theodorou, Georgia Tech</li> </ul>
1:20 pm – 1:50 pm	Break
<b>Subcommittee D – DYNAMICS, COMPUTATIONS, AND ANALYSIS</b>	
01:50 pm – 02:20 pm	D.1 "Robust Linear Design for Flight Control Systems with Operational Constraints," Marcel Menner, The Boeing Company
02:20 pm – 03:00 pm (40 mins)	D. 2 "The 2003 NASA Helios Mishap Revisited," David Schmidt, DK Schmidt & Associates, and Derek Lisoski, AeroVironment.
03:00 pm – 03:30 pm	D.3 "Enhancing Aircraft Survivability: Real-Time Aerodynamic Modeling for Engine-Out Emergencies," Jessica Peterson, USAF Test Pilot School and University of Nevada Reno.
3:30 pm – 4:00 pm	Break
<b>Subcommittee B - MISSILES AND SPACE</b>	
4:00 pm - 4:30 pm	B.1 "Pilot Spatial Disorientation During Lunar Landings: Model-Based Detection and Countermeasure Development and Evaluation," by Jordan Dixon, Draper
4:30 pm – 5:00 pm	B.2 "Hypersonics – The First Adversary is the Air," Richard Miles, TAMU
5:00 pm – 5:30 pm	B.3 "Optimized Star Field Camera Calibration for Precision Optical Navigation," Kevin Zhang, Georgia Tech, Draper

<b>THURSDAY, 09 April 2026 – Day 2</b>	
10:50 am – 11:00 am	<b>Day 2 Introduction</b> John Valasek – ACGSC Chair
<b>Subcommittee A – AERONAUTIC AND SURFACE VEHICLES</b>	
11:00 am – 11:30 am	A.1 “WHAT HAVE THE ROMANS DONE FOR US? THE MONTY PYTHON METHOD APPLIED TO PART 25 FLIGHT TESTING,” James Fawcett, Airbus (France)
11:30 am – 12:00 pm	A.2 “Simulator Study on Ride Comfort of Flexible Aircraft,” Jana Schwithal, DLR
<b>Subcommittee C - AVIONICS AND SYSTEM INTEGRATION</b>	
12:00 pm – 12:30 pm	C.1 “MIT engineers design an aerial micro robot that can fly as fast as a Bumblebee,” Jonathan How, MIT
12:30 pm – 1:00 pm	Break
1:00 pm – 1:30 pm	C.2 “Enhancing airspace safety via software tools for Encounter Avoidance, Conflict Resolution and ADS-B Spoof Detection,” Joseph Jackson, SSCI
1:30 pm – 2:00 pm	C. 3 “Learning and Decision Making for Agile Aerospace Robots under Failure,” Soonjo Chung, Caltech
<b>Subcommittee E - FLIGHT, PROPULSION, AND AUTONOMOUS VEHICLE CONTROL SYSTEMS</b>	
2:00 pm - 2:30 pm	E.1 “System-Wide Adversarially-Resilient Multi-Agent Systems (SWARMS) for Assured Autonomy in Complex Missions,” Dimitra Panagou, University of Michigan
2:30 pm – 3:00 pm	E.2 “F-16 Block 60 derivative design, S&C, wind tunnel testing, flight testing,” Ken Dorsett, Lockheed Martin Aeronautics
3:00 pm – 3:30 pm	E. 3
3:30 pm – 4:00 pm	<b>Concluding Remarks</b>
4:00 pm	Adjourn

**The meeting times are all EDT.**