



Aerospace Control and Guidance Systems Committee Meeting No. 136

Spring 2026 Virtual Meeting

DRAFT AGENDA (03/29/26)

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

Planning Advisory Board Members		
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

PAB Emeritus				
Shawn Donley	Ron Hess	Lou Knotts	Gavin Jenney	Dave Schmidt

WEDNESDAY, 08 April 2026 – Day 1	
11:00 am – 11:20 am	GENERAL BUSINESS MEETING – John Valasek – ACGSC Chair
11:20 am – 1:20 pm	General Session <ul style="list-style-type: none"> - Dave Mitchell, Mitchell Aerospace - Raman Mehra, SSCI - John Valasek, Texas A&M - Chris Miller, NASA Armstrong. - Jared Grauer, NASA Langley - Dominik Niedermeier, DLR - Alec Bateman, Barron Associates - Zhaodan Kong, UC Davis - Evangelos Theodorou, Georgia Tech - Oliver Brieger, Airbus
1:20 pm – 1:50 pm	Break
Subcommittee D – DYNAMICS, COMPUTATIONS, AND ANALYSIS	
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
Subcommittee B - MISSILES AND SPACE	
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

THURSDAY, 09 April 2026 – Day 2	
10:50 am – 11:00 am	Day 2 Introduction John Valasek – ACGSC Chair
Subcommittee A – AERONAUTIC AND SURFACE VEHICLES	
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
Subcommittee C - AVIONICS AND SYSTEM INTEGRATION	
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
Subcommittee E - FLIGHT, PROPULSION, AND AUTONOMOUS VEHICLE CONTROL SYSTEMS	
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	Concluding Remarks
3:30 pm	Adjourn

The meeting times are all EDT.