



Aerospace Control and Guidance Systems Committee Meeting No. 137

Fall 2026

Mobile, Alabama

DRAFT AGENDA (10/6/26)

TUESDAY, 6 October 2026

06:00 pm -8:00 pm	PLANNING ADVISORY BOARD MEETING (Online)
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Chairman	John Valasek
Vice-Chairman	Haithem Taha
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

All times are given in GMT-5 Central Daylight Time (CDT)

WEDNESDAY, 7 October 2026 – Day 1	
7:00 am – 8:00 am	REGISTRATION & BREAKFAST
8:00 am – 8:30 am	GENERAL BUSINESS MEETING John Valasek – ACGSC Chair
8:30 am – 10:00 am	GENERAL COMMITTEE TECHNICAL SESSION - PHILIPPE GOUPIL and Oliver Brieger, Airbus - John Valasek, Texas A&M University - Haithem Taha, University of California, Irvine & Thoth - Nabil Khalifa, Jet Zero - Elyse Hill, NASA LARC - Andrew Davis, LeTourneau University
10:00 am – 10:20 am	Break
10:20 am – 11:00 am	Ward Award Lecture 2025: “Aero-Propulsive Modeling for a Subscale Tiltrotor eVTOL Aircraft from Wind-Tunnel and Flight-Test Data,” Benjamin M. Simmons, NASA Langley
Subcommittee C - AVIONICS AND SYSTEM INTEGRATION Raman Mehra (Chair), Philippe Goupil (Co-chair), and Jared Grauer (Vice Chair)	
11:00 am – 11:40 am	C.1 “Frontier Language Models or Deterministic Decomposition? Measuring Adaptive, Verifiable Multi-Echelon Coordination for Heterogeneous Autonomous Teams,” Munir Jojo-Verge, Merlin Labs (Online Talk)
11:40 am – 12:20 pm	C. 2 " The EU NADIR (New Air Data Monitoring) project: conclusions and perspectives," Philippe Goupil, Airbus
12:20 pm – 1:40 pm	LUNCHEON
Subcommittee B - MISSILES AND SPACE Phil Hattis (Chair), Kevin Wise (Vice Chair)	
1:40 pm - 2:20 pm	B.1 “Proficiency Training and Retention for Manual Crew Override During Simulated Lunar Landing”, Kevin Duda, KBR
Subcommittee D – DYNAMICS, COMPUTATIONS, AND ANALYSIS David Doman (Chair), Mike Bolender, David Klyde, and Brian Lee (Vice Chairs)	
2:20 pm - 3:00 pm	D.1 "Data-Driven Time-Varying Control Barrier Functions for Adaptive Safe-Set Learning," Michael Budihartono, Embry-Riddle Aeronautical University (ERAU)
3:00 pm – 3:20 pm	Break
3:20 pm – 4:00 pm	Ward Award Lecture 2026: “Stochastic Guidance for Assured Spacecraft Autonomy,” Kenshiro Oguri, Purdue University
4:00 PM – 4:40 PM	B.2 “Sparse Data Navigation and Tracking via Homotopic Bayesian Methods,” Kyle Demars, Purdue University
5:30 -	Group Dinner at Felix's Fish Camp, Spanish Fort, AL

THURSDAY, 8 October 2026 – Day 2	
07:00 am – 7:50 am	BREAKFAST
7:50 am – 8:00 am	Day 2 Introduction John Valasek – ACGSC Chair
Subcommittee E - FLIGHT, PROPULSION, AND AUTONOMOUS VEHICLE CONTROL SYSTEMS John Valasek (Chair), Isaac Weintraub (Vice Chair)	
8:00 am – 8:40 am	E.1 “Heavy-Tailed Cauchy Uncertainties,” Jason Speyer, UCLA
8:40 am – 9:20 am	E.2 “Design and Implementation of control systems for the creation of reduced gravity conditions,” Eric Feron, KAUST
9:20 am – 9:40 am	Break
9:40 am – 10:20 am	E.3 “Accurate Fits, Wrong Derivatives: On the Pitfalls of Identifying Dynamic Derivatives from Forced-Oscillation Data,” Haithem Taha, UC Irvine & Thoth
Subcommittee A – AERONAUTIC AND SURFACE VEHICLES Chris Miller (Chair), Oliver Brieger (Co-Chair), and Dave Mitchell (Co-Chair)	
10:20 am – 11:00 am	A.1 “NASA's Open eVTOL Aircraft Development (RAVEN),” Peter Suh, NASA Armstrong
11:00 am - 11:40 am	A.2 “Human Flight Experience Lab, Recent Experiments, and Future Plans,” Colette Guy, NASA Armstrong
11:40 pm – 1:00 pm	LUNCHEON PAB LUNCHEON
1:00 pm – 1:40 pm	B.3 “Towards In-Flight Effector Coordination in Air-Defense against Swarm Attacks”, Ole Ostermann, DLR Institute of Flight Systems, Braunschweig
1:40 pm – 2:20 pm	C.3 “Robust Autonomy Platform for Tactical Operations and Reconnaissance (RAPTOR):Background and Flight Test Results,” Socrates Deligeorges, SSCI (Online Talk)
3:00 pm - 5:00 pm	Flight Works Alabama and Tour of Airbus Final Assembly Line