

**Draft Agenda**

**MEETING No. 106**

**AEROSPACE CONTROL AND GUIDANCE SYSTEMS COMMITTEE**

**Estancia La Jolla Hotel & Spa  
9700 N. Torrey Pines Road  
La Jolla, CA 92037  
858.550.1000**

**October 12-15, 2010**

**Tuesday**                    **Robust and Adaptive Control Theory Workshop**  
**12-October-10**            Kevin Wise and Eugene Lavretsky, The Boeing Company  
9:00a.m.- 4:30p.m.

**Tuesday**                    **1.0 PLANNING ADVISORY BOARD MEETING**  
12-October-10            **Location: Hacienda Boardroom**  
7:30 p.m.

Chairman	Gary Balas
Vice-Chairman	Dave Klyde
Immediate Past Chairman	Dave Bodden
Treasurer	Stan Pszczolkowski
Secretary	Jan De Luca

**BOARD MEMBERS**

G Jenney	L Knotts	M Steinberg
D Doman	B Lee	M Draper-Donley
S Donley	R Mehra	M Tischler
S Garg	J Paduano	J Weyrauch
P Hattis	S Jacobson	K Wise
R Hess	H Rediess	D Schmidt

**Wednesday**            **2.0 REGISTRATION & Breakfast**  
13-October-10            **Location : Pacifica Ballroom A**  
7:30-8:30 a.m.

**Wednesday**            **3.0 GENERAL COMMITTEE BUSINESS MEETING**  
13-October-10            **Location: Pacifica Ballroom A**  
8:30-9:00 a.m. Gary Balas, Chairman

**Wednesday**            **4.0 GENERAL COMMITTEE TECHNICAL SESSION**  
13-October-10            Marge Draper Donley and Dave Schmidt, Co-Chairs  
9:00 a.m. -

12:00 p.m.            **4.1 Government Agencies Summary Reports**

**4.1.1 FAA**

4.1.1.1 Tech Center - Stanley Pszczolkowski (abstract, presentation)

**4.1.2 US Air Force**

4.1.2.1 AFRL – Dave Doman (abstract, presentation)

**4.1.3 US Navy**

4.1.3.1 ONR – Marc Steinberg (abstract, presentation)

**4.1.4 NASA**

4.1.4.1 Langley –Marty Waszak (abstract, presentation)

**4.1.5 German Aerospace Center**

4.1.5.1 DLR – Klaus-Uwe Hahn (abstract, presentation)

**4.1.6 US Army**

4.1.6.1 Flight Dynamics Center – Mark Tischler (abstract, presentation)

4.1.6.2 Army Research Lab – Mark Ilg (abstract, presentation)

**4.2 Research Institutions, Industry and University Reports**

**4.2.1 Universities**

4.2.1.1 University of Minnesota – Gary Balas

4.2.1.2 University of California, Davis – Ron Hess

**4.2.2 Research Institutions and Companies**

4.2.2.1 Systems Technologies Inc. – David Klyde

4.2.2.2 HAI – Dave Mitchell

4.2.2.3 Robert Heffley Engineering – Bob Heffley

4.2.2.4 Calspan – Lou Knotts

4.2.2.5 Barron Associates Inc. – John Schierman

**Wednesday**

13-October -10

12:00-1:30p.m

**Luncheon – Mustangs & Burros**

**Wednesday**

13-October -10

1:30-3:30 p.m.

**5.0 SUBCOMMITTEE C – AVIONICS AND SYSTEM INTEGRATION**

Stan Pszczolkowski and Raman Mehra, Co-Chairmen

5.1 “Safety in Complex Systems,” Amy Pritchett, Georgia Tech (abstract, presentation)

5.2 “Pilot Adaptation to Changing Dynamics and Adaptive Control,” Anna Trujillo, NASA Langley (abstract, presentation)

5.3 "Flight Deck Systems for Better-than-Visual Operations,” Steve Young, NASA Langley (abstract, presentation)

**Wednesday**

13-October -10

3:30-3:45 p.m.

**Break**

**Wednesday**

13-October-10 **5.0 SUBCOMMITTEE D–DYNAMICS, COMPUTATIONS, AND ANALYSIS**  
3:45-5:05 p.m. Ron Hess and Dave Doman, Co-Chairmen

5.1 "Helicopter Stability Augmentation System Certification," Roger Hoh, Hoh  
Aeronautics (abstract, presentation)

5.2 "RASCAL In-Flight Simulation," Mark Tischler or ARL Representative, Arm  
Research Laboratory (abstract, presentation)

**Wednesday Mandatory Event: Social Hour**

13-October-10  
6:00 – 7:00 p.m. **Adobe**

**Wednesday "Hiking the Pacific Crest Trail," Peter Shaw**

13-October-10  
7:00=7:40 p.m **Location : Pacifica Ballroom A**

**Thursday Breakfast – Pacifica Ballroom A**

14-October-10  
7:30 – 8:30 a.m.

**Thursday 5.0 SUBCOMMITTEE D–DYNAMICS, COMPUTATIONS, AND ANALYSIS**

14-October -10 **cont'd**  
8:00 – 8:40 a.m. Ron Hess and Dave Doman, Co-Chairmen

5.3 "ARES Demonstration Vehicle Test Results," NASA Langley DSCB  
Representative (abstract, presentation)

**Thursday 6.0 SUBCOMMITTEE E – FLIGHT, PROPULSION, AND AUTONOMOUS  
VEHICLE CONTROL SYSTEMS**

14-October -10  
8:40 – 10:00 a.m. Marc Steinberg, Chairman  
Sanjay Garg, Vice Chairmen

6.1 " TBD" (abstract, presentation)

6.2 "TBD" (abstract, presentation)

**Thursday Break**

14-October -10  
10:00-10:20 p.m.

**Thursday 6.0 SUBCOMMITTEE E – FLIGHT, PROPULSION, AND AUTONOMOUS  
VEHICLE CONTROL SYSTEMS**

14-October -10  
10:20-11:00 p.m. Marc Steinberg, Chairman  
Sanjay Garg, Vice Chairmen

6.3 " TBD" (abstract, presentation)

**Thursday**     **7.0 SUBCOMMITTEE A – AERONAUTIC AND SURFACE VEHICLES**  
14-October -10     Steve Jacobson, Chairman,  
11:00-12:20 p.m.     Lou Knotts & Brian Lee, Vice Chairmen

7.1 "F-35B Jetborne Envelope Expansion" Joe Krumenacker, NAVAIR  
(abstract, presentation)

7.2 "X-45B flights with Adaptive Dynamic Limiter," David Hyde, The  
Boeing Company (abstract, presentation)

**Thursday**     **Luncheon – Mustangs & Burros**  
14-October -10     PAB will meet for lunch & agenda planning for Meeting No. 106  
12:20-1:45p.m     Meeting attendees have open seating for lunch

**Thursday**     **Tour of U.S. Navy Base in San Diego**  
14-October -10     Details to be determined  
2:00-6:00 p.m

**Friday**     **7.0 SUBCOMMITTEE A – AERONAUTIC AND SURFACE VEHICLES cont;d**  
15-October -10     Dave Klyde, Chairman,  
8:00 – 8:40 a.m     Lou Knotts & Brian Lee, Vice Chairmen

7.3 "Orion Abort Test," Peggy Hayes, NASA Dryden (abstract,  
presentation)

**Friday**     **8.0 SUBCOMMITTEE B-- MISSILES AND SPACE**  
15-October -10     Phil Hattis, Chairman  
8:40 – 11:40 a.m     John Weyrauch & Kevin Wise, Vice Chairmen

8.1 "X-51," Kevin Wise, Boeing contact (abstract, presentation)

8.2 "Draper Space System Integrated Design Tool," John West, Drpaper  
Laboratory, (abstract, presentation)

8.3 "ARES 1-X GNC," John Brandon, NASA Langley, (abstract,  
presentation)

8.4 "China Lake Small Rocket Program," Doug Philbrick, Navy Air  
Warfare Center China Lake, contact, (abstract, presentation)