

**SPRING 2016 MEETING OF THE
AERONAUTICS AND SPACE ENGINEERING BOARD (157th Meeting – Day 1)
Monday April 25th, 2016
AGENDA**

**Keck Center Building — Room 100
500 Fifth Street, N.W., Washington, D.C.
(Parking lot entrance is on 6th St. NW on the East side of the 500 block)**

CLOSED EXECUTIVE SESSION

8:00 AM	Board Discussions
8:50 AM	Short Break

OPEN SESSION

9:00 AM	Update on and discussion of ARMD Program <i>30 Min Presentation and 45 Min Discussion</i>	Jaiwon Shin, NASA
10:15 AM	Update from DARPA - Tactical Technology Office (15 minute presentation) <i>Followed by 15 minute discussion</i>	Pam Melroy, DARPA-TTO
10:45 AM	Break	
11:00 AM	Updates from the Air Force Air Force Chief Scientist (15 minute presentation) Space Command Chief Scientist (15 minute presentation - remotely) <i>Followed by 15 minute discussion</i>	Greg Zacharias, USAF Merri Sanchez, USAF
11:45 AM	Working Lunch (informal discussions continue over lunch)	
12:45 PM	Updates from FAA Associate Administrator for Aviation Safety (15 minute presentation) Assistant Administrator for NextGen (15 minute presentation) Associate Administrator for Commercial Space (15 minute presentation) <i>Followed by 20 minute discussion</i>	Margaret Gilligan, FAA Jim Eck, FAA George Nield, FAA
1:50 PM	Update from Virgin Galactic	Steve Isakowitz, Virgin Galactic
2:20 PM	Break	
2:35 PM	Education and the Future of Aerospace – A Panel Discussion Panel discussion on how universities and colleges can prepare a workforce that can fulfill our nation's future aerospace needs. <i>Susan Lavrakas, AIA (STEM Lead); Rich Wlezian, Iowa State University (AIAA VP-elect for Education); Jaime Peraire, MIT; and Jim Slavin, University of Michigan</i>	Moderator: Mark Lewis, ASEB Member
3:45 PM	Short Break	

CLOSED EXECUTIVE SESSION

3:55 PM	Board Discussions
6:00 PM	Meeting Adjourns (evening free)

**SPRING 2016 JOINT MEETING OF THE
AERONAUTICS AND SPACE ENGINEERING BOARD (157th Meeting – Day 2)
SPACE STUDIES BOARD (172nd Meeting – Day 1)
Tuesday April 26th 2016**

AGENDA

Keck Center Building — Room 100

500 Fifth Street, N.W., Washington, D.C.

(Parking lot entrance is on 6th St. NW on the East side of the 500 block)

CLOSED EXECUTIVE SESSION		
8:00 AM	Board Discussions	
9:00 AM	Short Break	All
OPEN SESSION		
FOCUS SESSION ON STRATEGIC DIRECTION OF NASA		
9:15 AM	Welcome and Introductions	<i>Les Lyles, David Spergel, Chairs</i>
9:25 AM	NASA Chiefs Roundtable <i>Chief Engineer, Deputy Chief Technologist, Deputy Chief Scientist</i> 10 minute opening statements followed by 25 minutes of discussions and Q&A	<i>Ralph Roe, Jim Adams, Gale Allen – NASA</i>
10:30 AM	Update from NASA Administrator	<i>General Charlie Bolden, NASA</i>
11:30 PM	Working Lunch (informal discussions continue over lunch)	
12:00 PM	Discussions with Senator Gary Peters (D-MI)	
12:45 PM	View from Capitol Hill (Tom Hammond & Pam Whitney, HSC; Nick Cummings, SCC)	
1:15 PM	View from the White House (Paul Shawcross & Grace Hu, OMB; Meredith Drosback & Ben Roberts, OSTP)	
OPEN SESSION : Space Technology at NASA		
1:45 PM	STMD Program and Budget Update 20 minute opening remarks followed by 15 minutes of discussions and Q&A	<i>James Reuter, NASA</i>
2:20 PM	Break	
OPEN SESSION: Human Spaceflight at NASA		
2:40 PM	HEOMD Program and Budget Update Briefing and Journey to Mars Strategy 30 minute presentation followed by 30 minutes of discussions and Q&A	<i>William Gerstenmaier, NASA</i>
OPEN SESSION: Future of Low Earth Orbit – Moving Toward a Commercial Market		
3:40 PM	Update from the Standing Committee on Biological and Physical Sciences in Space	<i>Betsy Cantwell, CBPSS Co-Chair</i>
3:55 PM	NASA's Vision for LEO: 2017-2024 and Beyond	<i>Sam Scimemi, NASA</i>
4:15 PM	Panel and Board Discussion on the Future of LEO 5 minute opening remarks from panelists followed by moderated panel discussion focused on what stakeholders need to be doing now to bring about NASA's vision.	<i>Moderator: Betsy Cantwell, CBPSS Co-Chair Carissa Christensen, Tauri Group; John Elbon, Boeing; Mike Gold, COMSTAC Chair; Ben Roberts, OSTP; Greg Johnson, CASIS; George Nield, FAA</i>
5:15 PM	Public Session Adjourns and Short Break	
CLOSED EXECUTIVE SESSION		
5:30 PM	Board Discussions	
6:30 PM	Adjourn to Dinner – Board Members Only & Invited Guests	