

**SPRING 2016 JOINT MEETING OF THE  
SPACE STUDIES BOARD (172<sup>nd</sup> Meeting – Day 1)  
AERONAUTICS AND SPACE ENGINEERING BOARD (157<sup>th</sup> Meeting – Day 2)  
Tuesday April 26<sup>th</sup> 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 <i>Carissa Christensen, Tauri Group; John Elbon, Boeing; Mike Gold, COMSTAC Chair; Ben Roberts, OSTP; Greg Johnson, CASIS; George Nield, FAA</i> 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</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	

**SPRING 2016 MEETING OF THE  
SPACE STUDIES BOARD (172<sup>nd</sup> Meeting – Day 2)  
Wednesday April 27<sup>th</sup> 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)

**7:15 AM**      *Breakfast Available*

**OPEN SESSION  
REPORTS FROM SSB STANDING COMMITTEES**

**8:00 AM**      Welcome and Introductions  
**8:05 AM**      Updates from the Standing Committee Chairs (20 mins each)

- Solar and Space Physics *Todd Hoeksema, CSSP Co-Chair*
- Earth Science and Applications from Space *Joyce Penner, CESAS Co-Chair*
- Astrobiology and Planetary Sciences *Phil Christensen, CAPS Co-Chair*
- Astronomy and Astrophysics *Steve Ritz (Marcia Rieke, by Webex), CAA Co-Chairs*
- Discussion (15 mins)

**9:40 AM**      *Break*

**OPEN SESSION  
ROUNDTABLE DISCUSSION WITH SMD LEADERSHIP**

**10:00 AM**      Update and Key Issues at SMD and Future SSB Activities *John Grunsfeld, AA-SMD, NASA*  
**10:30 AM**      Q&A / Discussion with AA and SMD Division Directors  
*Mike Freilich (Earth Science), Steven Clarke (Heliophysics)*  
*David Schurr (Planetary) Paul Hertz (Astrophysics)*

**OPEN SESSION  
FOCUS SESSION ON STATUS OF SELECTED DECADAL PRIORITY MISSIONS**

**11:45 AM**      Status of Mars 2020 *Ken Williford, JPL TBC*  
**12:15 PM**      *Working Lunch*  
**1:00 PM**      Status of JWST *Eric Smith, NASA HQ*  
**1:30 PM**      Status of WFIRST *Neil Gehrels, NASA Goddard*  
**2:00 PM**      Status of Europa Mission *Louise Proctor, APL & Barry Goldstein, JPL*  
**2:30 PM**      Status of Solar Probe Plus *John Lee, NASA HQ*  
**3:00 PM**      *Break*

**OPEN SESSION  
INTERNATIONAL ISSUES**

**3:20 PM**      Update from European Space Sciences Committee *Athena Coustenis, ESSC Chair*  
**4:00 PM**      Update on COSPAR activities *David Smith, SSB Staff*  
**4:20 PM**      Short Break to go into Closed Session

**CLOSED EXECUTIVE SESSION**

**4:30 PM**      Board Discussions  
**5:45 PM**      Adjourn – Evening Free

**SPRING 2016 MEETING OF THE  
SPACE STUDIES BOARD (172<sup>nd</sup> Meeting – Day 3)  
Thursday April 28<sup>th</sup> 2016  
AGENDA**

**Keck Center Building — Room 201  
500 Fifth Street, N.W., Washington, D.C.  
(Parking lot entrance is on 6th St. NW on the East side of the 500 block)**

**7:15 AM**      *Breakfast Available*

**OPEN SESSION  
DISCUSSION OF AGENCY ACTIVITIES**

<b>8:00 AM</b>	Update and Key Issues at NOAA	<i>Steve Volz, NOAA</i>
<b>8:30 AM</b>	Update and Key Issues at NSF-Geo Science	<i>Paul Shepson, NSF</i>

**OPEN SESSION  
DISCUSSION OF UPCOMING OR RECENTLY STARTED ACTIVITIES**

<b>9:00 AM</b>	Introduction to Upcoming or Recently Started Activities Staff Status Reports (10 mins each including Q&A) on..... <ul style="list-style-type: none"> <li>• Review of NASA's Planetary Science Division's Restructured R&amp;A Program (<i>D. Smith</i>)</li> <li>• Review of Planetary Protection Policy Development Processes (<i>D. Smith</i>)</li> <li>• Workshop on the Search for Life (<i>D. Smith</i>)</li> <li>• Assessment of the National Science Foundation's 2015 Geospace Portfolio Review (<i>A. Sheffer</i>)</li> <li>• NASA Science Strategic Missions (<i>D. Day</i>)</li> <li>• Mid-Decade Study on Biological and Physical Sciences in Space (<i>S. Graham</i>)</li> </ul>	<i>Michael Moloney, SSB Director</i>
<b>10:15 AM</b>	Any Other Future Study Ideas?	
<b>10:30 AM</b>	<i>Break to go into Closed Session</i>	

**CLOSED SESSION  
DISCUSSION OF ONGOING ACTIVITIES & WRAP UP**

<b>10:45 AM</b>	Board Discussions
<b>1:00 PM</b>	<i>Meeting Adjourns</i>