

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	Les Lyles, David Spergel, Chairs
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	Ralph Roe, Jim Adams, Gale Allen – NASA
10:30 AM	<i>Update from NASA Administrator</i>	General Charlie Bolden, NASA
11:30 PM	<i>Working Lunch (informal discussions continue over lunch)</i>	
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

<b>1:45 PM</b>	<b>STMD Program and Budget Update</b> 20 minute opening remarks followed by 15 minutes of discussions and Q&A	<i>James Reuter, NASA</i>
<b>2:20 PM</b>	<b>Break</b>	

OPEN SESSION: Human Spaceflight at NASA

<b>2:40 PM</b>	<b>HEOMD Program and Budget Update Briefing and Journey to Mars Strategy</b> 30 minute presentation followed by 30 minutes of discussions and Q&A	<i>William Gerstenmaier, NASA</i>
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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>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**

**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**

**8:00 AM Update and Key Issues at NOAA** *Steve Volz, NOAA*  
**8:30 AM Update and Key Issues at NSF-Geo Science** *Paul Shepson, NSF*

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

**9:00 AM Introduction to Upcoming or Recently Started Activities** *Michael Moloney, SSB Director*  
Staff Status Reports (10 mins each including Q&A) on.....  
• Review of NASA's Planetary Science Division's Restructured R&A Program (*D. Smith*)  
• Review of Planetary Protection Policy Development Processes (*D. Smith*)  
• Workshop on the Search for Life (*D. Smith*)  
• Assessment of the National Science Foundation's 2015 Geospace Portfolio Review (*A. Sheffer*)  
• NASA Science Strategic Missions (*D. Day*)  
• Mid-Decade Study on Biological and Physical Sciences in Space (*S. Graham*)  
**10:15 AM Any Other Future Study Ideas?**  
**10:30 AM Break to go into Closed Session**

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

**10:45 AM Board Discussions**  
**1:00 PM Meeting Adjourns**