

**163rd MEETING OF THE
AERONAUTICS AND SPACE ENGINEERING BOARD**

Monday April 29, 2019

Keck Center, 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)

AGENDA

EXECUTIVE SESSION

8:30 AM **Committee Discussions**

9:15 AM ***Short Break***

OPEN SESSION

9:30 AM **Welcome and Introduction of Members and Attendees**

Alan Epstein, ASEB Chair

9:45 AM **Update and Discussion—ARMD Program**

**Robert Pearce, NASA Deputy Associate
Administrator for ARMD**

11:00 AM ***Short Break***

11:15 AM **Update and Discussion—Aeronautics Research and Technology
Roundtable**

Ray Colladay, ARTR Chair

11:45 AM **Aeronautics Update and Discussion—Federal Aviation
Administration**

(TBC) FAA

12:30 PM ***Working Lunch Available Outside Meeting Room***

1:30 PM **Panel on Advances in Vertical Lift**

20 min Presentations and 30 min Discussion

- Sikorsky RAIDER Program
- Aurora Flight Sciences
- Bell Helicopters Advanced Vertical Lift Center

**Nick Lappos, Sikorsky Senior Technical Fellow
John Langford, CEO Aurora Flight Sciences
Jeff Schloesser, Bell Helicopters Executive Vice
President for Strategic Pursuits**

3:00 PM ***Short Break***

EXECUTIVE SESSION

3:15 PM **Committee Discussions**

6:00 PM ***Meeting Adjourns for the Day – Evening Free***

JOINT SPRING MEETING
AERONAUTICS AND SPACE ENGINEERING BOARD (163rd Meeting)
and SPACE STUDIES BOARD (178th Meeting)
Tuesday April 30, 2019
Keck Center, 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)

AGENDA

EXECUTIVE SESSION		
8:00 AM	Committee Discussions	
8:45 AM	Short Break	
OPEN SESSION		
Focus Session on U.S. Space Organization, Technology, and National Security		
9:00 AM	Introduction to Joint Session	Colleen Hartman, SSB/ASEB Director
9:05 AM	Update and Discussion—National Security Space	Michael Griffin, Under Secretary of Defense for Research and Engineering
10:00 AM	Short Break	
10:15 AM	Update and Discussion—NASA Programs	Jim Bridenstine, NASA Administrator
11:15 AM	Update and Discussion—Office of Science and Technology Policy	Kelvin Droegemeier, OSTP Director
12:15 PM	Working Lunch Available Outside Meeting Room	
1:15 PM	Update and Discussion—NASA Human Exploration Mission Directorate	(TBC) NASA Deputy Administrator for HEOMD
2:00 PM	Update and Discussion—NASA Space Technology Mission Directorate	(TBC) NASA Deputy Administrator for STMD
2:45 PM	Update and Discussion—Space Technology Industry-Government-University Roundtable	Wanda Sigur, STIGUR Chair
3:15 PM	Short Break	
3:30 PM	Update and Discussion—Department of Commerce Office of Space Commerce	Kevin O’Connell, OSC Director
4:15 PM	Update and Discussion—FAA Commercial Space Transportation	(TBC) FAA
5:00 PM	Short Break	
EXECUTIVE SESSION		
5:15 PM	Committee Discussions	
8:30 PM	ASEB Meeting Adjourns SSB Meeting Adjourns for the Day	

178th MEETING OF THE SPACE STUDIES BOARD

Wednesday May 1, 2019

Keck Center, 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)

AGENDA

EXECUTIVE SESSION

8:00 AM Committee Discussions

8:45 AM *Short Break*

OPEN SESSION

9:00 AM Welcome and Introduction of Members and Attendees

Jim Crocker, SSB Vice-Chair

9:15 AM Update and Discussion—NASA Science

Thomas Zurbuchen
Associate Administrator for NASA SMD

10:30 AM *Short Break*

10:45 PM Update and Discussion—NASA SMD Division Directors

- Astrophysics Division
- Earth Science Division
- Heliophysics Division
- Planetary Science Division

Paul Hertz, Astrophysics Director
Sandra Cauffman, Acting Earth Science Director
Nicola Fox, Heliophysics Director
Lori Glaze, Acting Planetary Science Director

12:30 PM *Working Lunch Available Outside Meeting Room*

1:30 PM Updates and Discussion—SSB/ASEB/BPA Discipline Committees

- Committee on Planetary Science
- Committee on Astronomy and Astrophysics
- Committee on Biological and Physical Sciences in Space
- Committee on Earth Science and Applications from Space
- Committee on Solar and Space Physics

Christopher House and William McKinnon, Co-Chairs
Steven Ritz and Vicki Kalogera, Co-Chairs
Dava Newman and Robert Ferl, Co-Chairs
Chelle Gentemann and Steven Running, Co-Chairs
Sarah Gibson and Maura Hagan, Co-Chairs

3:15 PM *Short Break*

3:30 PM Panel Discussion—Lunar Space Science and Exploration

- Agency Plans for Lunar Science
- Science Payloads Selected for Commercial Landers
- Science Gained by Selected Payloads
- Lunar Volatiles—Recent Advances in Water Cycling
- Lunar Volatiles—Multidisciplinary Advances

Jim Green, NASA Chief Scientist
Steven Clarke, NASA Deputy Associate
Administrator for Exploration
Sarah Noble or Ben Bussey
Amanda Hendrix, Planetary Science Institute
Orenthal Tucker, NASA Goddard

4:45 PM *Short Break*

5:00 PM Update and Discussion—European Space Science Committee

Athena Coustenis and Nicolas Walter, ESSC

5:45 PM *Meeting Adjourns for the Day – Evening Free*

Thursday May 2, 2019

EXECUTIVE SESSION

8:00 AM Committee Discussions

1:00 PM *Meeting Adjourns*