

# AERONAUTICS AND SPACE ENGINEERING

50 YEARS: 1967-2017



## SPRING 2018 MEETING OF THE AERONAUTICS AND SPACE ENGINEERING BOARD (161<sup>st</sup> Meeting—Day 1)

Monday—April 30, 2018

### DRAFT 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

8:45 AM Committee Discussion  
9:45 AM Short Break

#### OPEN SESSION

10:00 AM	<b>Update on and discussion of ARMD Program</b> <i>30 min Presentation and 30 min Discussion</i> <ul style="list-style-type: none"><li>Urban Air Mobility: Aeronautics Roundtable and Proposed Study</li></ul>	<i>Jaiwon Shin, NASA</i>
11:00 AM	<b>Follow Up Discussion on Aero 2050</b> <i>30 min Discussion</i> <ul style="list-style-type: none"><li>What issues stood out for each session moderator?</li><li>What issues might the board organize into studies or workshops?</li></ul>	<i>Alan Epstein, Chair</i>
11:30 AM	<b>DARPA Aerospace Programs - Tactical Technology Office</b> <i>30 min Presentation and 15 min Discussion</i>	<i>Fred Kennedy, DARPA-TTO</i>
12:15 PM	<b>Working Lunch (informal discussions continue over lunch)</b>	
1:00 PM	<b>DOD Aerospace R&amp;D Priorities and Issues</b> <i>30 min Presentation and 30 min Discussion</i>	<i>Under SecDef for Research and Engineering TBC</i>
2:00 PM	<b>Short Discussion on Planned DOE-sponsored study on gas turbines</b>	<i>Alan Angleman, ASEB Staff</i>
2:15 PM	<b>BREAK</b>	
2:45 PM	<b>FAA Panel Discussion</b> Acting Administrator Associate Administrator for Aviation Safety Acting Assistant Administrator for NextGen Acting Associate Administrator for Commercial Space Transportation <i>15 min Presentations Followed by 30 minute Panel Discussion</i>	<i>Dan Elwell, FAA</i> <i>Ali Bahrami, FAA</i> <i>Pamela Whitley, FAA</i> <i>Kelvin Coleman, FAA</i>
4:20 PM	<b>Short Break</b>	

#### CLOSED EXECUTIVE SESSION

4:30 PM Committee Discussion  
6:15 PM Adjourn

# AERONAUTICS AND SPACE ENGINEERING

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## SPRING 2018 JOINT MEETING OF THE AERONAUTICS AND SPACE ENGINEERING BOARD (161<sup>st</sup> Meeting—Day 2) SPACE STUDIES BOARD (176<sup>th</sup> Meeting—Day 1)

Tuesday—May 1, 2018

### DRAFT 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		
8:45 AM	Committee Discussion	
9:00 AM	<i>Short Break</i>	
OPEN SESSION: Focus Session on Strategic Direction of NASA		
9:15 AM	Welcome and Introductions	<i>Alan Epstein &amp; Fiona Harrison, Chairs</i>
9:25 AM	NASA Chiefs Roundtable	<i>Jim Green, Ralph Roe, Doug Terrier, NASA</i>
	Chief Scientist, Chief Engineer, Chief Technologist	
	10 minute opening statements followed by 25 minutes of discussions and Q&A	
10:30 AM	<i>Update from NASA Associate Administrator (acting)</i>	<i>Steve Jurczyk, NASA</i>
	20 minute opening statement followed by 40 minutes of discussions and Q&A	
11:30 PM	<i>Working Lunch (informal discussions continue over lunch)</i>	
12:15 PM	View from Capitol Hill	<i>Jaclyn Keshian and Nicholas Cummings, Senate Committee on Commerce, Science, and Transportation Mike Mineiro and Pam Whitney, House Committee on Space, Science, and Technology</i>
12:45 PM	View from Executive Office of the President	<i>Steve Clarke, OSTP &amp; Paul Shawcross, OMB</i>
OPEN SESSION: Space Technology, Microgravity Science, and Human Spaceflight at NASA		
1:15 PM	Update from Space Technology Industry Government University Roundtable	<i>Wanda Sigur, Chair</i>
	15 min presentation followed by 10 minutes of discussions and Q&A	
1:40 PM	<i>Update from Standing Committee on Biological &amp; Physical Sciences in Space</i>	<i>Rob Ferl, Co-Chair</i>
	15 min presentation followed by 10 minutes of discussions and Q&A	
2:05 PM	<b>STMD Program and Budget Update</b>	<i>Jim Reuter, NASA</i>
	30 min presentation followed by 15 minutes of discussions and Q&A	
2:50 PM	<b>HEOMD Program and Budget Update</b>	<i>Bill Gerstenmaier, NASA</i>
	30 min presentation followed by 15 minutes of discussions and Q&A	
3:35 PM	<b>Break</b>	
OPEN SESSION: Focus Session on Orbital Debris		
3:50 PM	Orbital Debris Presentations (10 minutes each)	
	• Introduction	<i>Bhavya Lal, IDA/STPI (Session Moderator)</i>
	• NASA Orbital Debris Program	<i>J.-C. Liou, NASA</i>
	• Debris Tracking	<i>Darren McKnight, Integrity Apps</i>
	• Debris in GEO	<i>Dan Oltrogge, AGI</i>
	• Policy Issues	<i>Brian Weeden, Secure World Foundation</i>
4:40 PM	Panel Discussion	
5:20 PM	<i>Public Session Adjourns and Short Break</i>	
CLOSED EXECUTIVE SESSION		
5:30 PM	Committee Discussion	
6:00 PM	<i>Adjourn</i>	

*Evening Activities by Invitation Only*