

**FALL 2017 MEETING OF THE  
AERONAUTICS AND SPACE ENGINEERING BOARD  
160<sup>th</sup> Meeting  
Wednesday October 11<sup>th</sup> – 13<sup>th</sup>, 2017  
DRAFT AGENDA**

**Day 1 – October 11th**

**National Academy of Sciences — Members Room  
2101 Constitution Ave., N.W., Washington, D.C.  
(Parking lot entrance is on the corner of 21<sup>st</sup> St. NW and C St. NW)**

CLOSED EXECUTIVE SESSION		
8:00 AM	Breakfast Available	
9:00 AM	Board Discussions	
9:45 AM	Short Break	
OPEN SESSION Focus on Space Technology		
10:00 AM	Welcome and Introductions	Alan Epstein, Chair
10:05 AM	Update from NASA-Office of Chief Technologist (20 minute presentation & 15 minute discussion) <ul style="list-style-type: none"> <li>Innovation at NASA – How can ASEB help?</li> <li>Future of technology roadmapping</li> </ul>	Vicki Crisp, NASA Deputy Chief Technologist (Acting)
10:40 AM	Report on October 2017 STIGUR Meeting (10 minute presentation & 10 minute discussion)	Wanda Sigur, STIGUR Chair
11:00 AM	Update from DARPA - Tactical Technology Office (20 minute presentation & 10 minute discussion)	Jeremy Palmer, DARPA/TTO
11:30 AM	Update from DOD/USAF (20 minute presentation & 10 minute discussion)	Chris Shank, DOD/USAF
12:00 PM	Working Lunch (informal discussions continue over lunch)	
OPEN SESSION Focus on Human Exploration		
1:00 PM	Update on Deep Space Gateway and Journey to Mars (20 minute presentation & 10 minute discussion)	TBD
1:30 PM	Update from HEO-Advanced Exploration Systems (20 minute presentation & 10 minute discussion)	TBD
2:00 PM	Report from CBPSS Standing Committee (20 minute presentation & 10 minute discussion)	Betsy Cantwell, CBPSS Co-Chair ASEB Vice Chair
2:30 PM	BREAK	
CLOSED EXECUTIVE SESSION		
2:50 PM	Board Discussions	
5:00 PM	Meeting Closes for Dinner at 6:00pm	

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**Day 2 – October 12th**

**National Academy of Sciences — Lecture Room**

Specific themes for each session and the names of moderators, panelists, and other speakers are still under development.

**Attendance by pre-registration only owing to the capacity of the meeting room**

7:30 am     **Room Opens** (Breakfast Available)

### Opening Session

8:30 am	<b>Meeting Convenes</b>	<b>Michael Moloney</b> , National Academies, Director for Space and Aeronautics
8:35 am	<b>Welcoming Remarks</b>	<b>Alan Epstein</b> , ASEB Chair
8:45 am	<b>Opening Remarks</b>	<b>Robert Lightfoot</b> , NASA Acting Administrator

### Session 1: 1958-2017: 60 Years of Aviation and Aeronautics in the Jet Age

9:00 am	<b>Panel Discussion with Audience Participation</b>	<p>Moderator: <b>Robie Samanta Roy</b>, ASEB</p> <ul style="list-style-type: none"> <li>• <b>Richard Hallion</b>, Florida Polytechnic University</li> <li>• <b>Jaiwon Shin or Deputy</b>, NASA ARMD</li> <li>• <b>Bob van der Linden</b>, NASM</li> <li>• </li> </ul>
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10:15 am     **BREAK** – Coffee Available

### Session 2: Current Challenges for Aviation

10:45 am	<b>Panel Discussion with Audience Participation</b>	<p>Moderator: <b>Valerie Manning</b>, ASEB</p> <ul style="list-style-type: none"> <li>• <b>John Hansman</b>, MIT</li> <li>• <b>Nancy Young</b>, A4A</li> <li>• <b>Dan Elwell</b>, FAA Deputy Administrator</li> <li>• <b>John-Paul Clarke</b>, Georgia Tech</li> </ul>
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**Audience Joins the Discussion**

### Lunch Presentation

12:00 pm	<b>Keynote Speaker</b>	<b>Richard Aboulafia</b> , Teal Group
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### Session 3: Future Visions – Commercial Air Travel

1:15 pm	<b>Panel Discussion with Audience Participation</b>	<p>Moderator: <b>Mark Lewis</b>, ASEB</p> <ul style="list-style-type: none"> <li>• <b>Pierre Chao</b>, Enlightenment Capital</li> <li>• <b>Graham Warwick</b>, Aviation Week</li> <li>• <b>Robert Liebeck</b>, Boeing</li> <li>• <b>Juan Alonso</b>, Stanford</li> </ul>
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2:30 pm     **BREAK** – Coffee Available

### Session 4: Future Visions – New Directions for Aviation

3:00 pm      **Panel Discussion with Audience Participation**

**Moderator: Nick Lappos, ASEB**

- **Ilan Kroo**, Stanford
- **John Langford**, Aurora
- **Pradeep Fernandes**, Boeing HorizonX
- **Gur Kimchi** (TBC), Amazon Prime Air

## Symposium Summary Discussion

4:15 pm      **Summary Thoughts on Key Themes and Issues Raised During the Symposium and Concluding Remarks**

**Jaiwon Shin**, NASA ARMD  
**Alan Epstein**, ASEB Chair

4:30 pm      **Closing Remarks and Discussion**

All

4:45 pm      **Symposium Closes**

## Reception

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## Day 3 – October 13th

National Academy of Sciences — Lecture Room  
2101 Constitution Ave., N.W., Washington, D.C.  
(Parking lot entrance is on the corner of 21<sup>st</sup> St. NW and C St. NW)

**8:00 AM**      *Breakfast Available*

## CLOSED EXECUTIVE SESSION DISCUSSION OF ONGOING ACTIVITIES & WRAP UP

**9:00 AM**      **Board Discussions**

**11:45 PM**      *Meeting Adjourns and Lunch Available*