

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

SPACE STUDIES BOARD

Fall Meeting – 173rd Meeting – November 2-4, 2016

Beckman Center of the National Academies of Sciences, Engineering and Medicine

Huntington Room, 100 Academy Way, Irvine CA

DRAFT AGENDA

(please check for updates)

WEDNESDAY, NOVEMBER 2, 2016
MORNING SESSIONS

Breakfast available from 7:30 am at the Beckman Center

Carpool leaves hotel lobby 7:15am

EXECUTIVE SESSION (SSB, ESSC, & STANDING COMMITTEE MEMBERS ONLY)

8:30 am Board Discussions

10:00 am *BREAK*

OPEN SESSION
Standing Committee Reports

10:15 am Welcome and Introduction of Members and Attendees *David Spergel, SSB Chair*

10:20 am Cttee on Astronomy and Astrophysics *Marcia Rieke, CAA Co-Chair*

10:40 am Cttee on Astrobiology and Planetary Science *Phil Christensen, CAPS Co-Chair*
(by WebEx)

10:50 am Cttee on Earth Science and Applications from Space *Michael King, CESAS Co-Chair*

11:00 am Cttee on Solar and Space Physics *Todd Hoeksema, CSSP Co-Chair*

11:10 am Cttee on Biological and Physical Sciences in Space *Rob Ferl, CBPSS Co-Chair*

11:20 am Discussion of Issues Raised by the Standing Committees *All*

11:30 am Plans for '17 NRC Space Science Week and New
Discipline Cttees – Including Approaches to Reports *Michael Moloney, SSB Director*

11:55 am Summary of Discussion & Future Actions *David Spergel, SSB Chair*

12:00 pm *LUNCH*

COSPAR and International Activities

1:00 pm Update on COSPAR 2018 and Other COSPAR Activities *Gregg Vane, '18 LOC*
(Greg Vane 10 minutes & David Smith 10 minutes) *David Smith, US COSPAR E/Sec*

1:20 pm Update from ESSC *Athena Coustenis, ESSC Chair*

WEDNESDAY, NOVEMBER 2, 2016

AFTERNOON SESSION CONTINUES

OPEN SESSION

Report on SMD

2:00 pm	Status Report from SMD <ul style="list-style-type: none">• Impact of Recent SSB Reports• Program and Policy Challenges• Where might the Board focus its efforts Future Workshop and Study Topics	<i>Thomas Zurbuchen, NASA (By Video)</i>
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2:45 PM	Discussion of Issues Raised by Dr. Zurbuchen with Board Members
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3:40 pm	<i>BREAK</i>
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OPEN SESSION

Current and Future Issues and Activities

4:00 pm	Report Briefing on <i>Extending Science–NASA’s Space Science Mission Extensions & the Senior Review Process</i> (Presentation 25 minutes & Discussion 10 minutes)	<i>Vicky Hamilton & Harvey Tananbaum, Cttee Co-Chairs (Harvey by WebEx)</i>
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4:35 pm	Report Briefing on <i>New Worlds, New Horizons: A Midterm Assessment</i> (Presentation 25 minutes & Discussion 10 minutes)	TBC
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5:15 pm	Reminder of the case for an introduction to a study on: An Open Code Future for Space Science	<i>David Spergel, SSB Chair (Thomas Zurbuchen to join by phone)</i>
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5:30 pm	Discussion	<u>All</u>
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5:45 pm	Summary of the Discussion	<i>David Spergel, SSB Chair</i>
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5:50 pm	General Discussion by All of Today’s Topics	<u>David Spergel, SSB Chair</u>
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SSB ESSC & STANDING COMMITTEE MEMBERS AND INVITED GUESTS ONLY

6:00 pm	Reception – Beckman Center Patio
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6:45 pm	Dinner – Beckman Center Dining Room (Dinner for Board Members and Invited Guests – Adjourn ~8:30pm)
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THURSDAY, NOVEMBER 3, 2016

*Breakfast available from 7:30 am at the Beckman Center
Carpool leaves hotel lobby 7:15am*

OPEN SESSION		
Focus Session on Planning for May '17 Joint Symposium on Civil Space Policy		
8:30 am	Welcome and Overview of Today's Agenda	David Spergel, SSB Chair
8:40 am	Presentation on Outline of Symposium Planning	Michael Moloney, SSB Dir
9:00 am	Discussion	All
9:45 am	Summary of the Discussion	David Spergel, SSB Chair
9:50 am	BREAK	
OPEN SESSION		
Current and Future Issues and Activities		
10:10 am	Overview of Topic and Session on: Setting a Research Agenda for Space Weather	Sarah Gibson, Moderator
10:15 am	Outcomes from Recent CSSP and XCOM Discussions – Including a Strawman Statement of Task for a new study	Todd Hoeksema, CSSP Co-Chair
11:00 am	Discussions Continue	All
11:50 pm	Summary of the Discussion	Sarah Gibson, Moderator
12:00 pm	LUNCH	
1:15 pm	Status of Planning for the 2016 SSB Workshop Searching for Life Across Space and Time (Presentation 15 minutes & Discussion 15 minutes)	James Kasting, Org. Cttee Chair (By WebEx)
OPEN SESSION		
Focus Session on Mars Exploration – Plans for Red Dragon		
1:45 pm	SpaceX and Plans for Red Dragon Missions to Mars	Joshua Brost, SpaceX
OPEN SESSION		
Focus Session on Integrating Across the Disciplines		
2:30 pm	Overview of Topic and Session	David Spergel, Chair
2:35 pm	The Interconnectivity or Interdependence of missions across the SMD disciplines: Perspectives from Astrobiology and Astrophysics (20 mins each)	Penny Boston, Director of the National Astrobiology Institute Chryssa Kouveliotou, George Washington University

THURSDAY, NOVEMBER 3, 2016
AFTERNOON SESSION CONTINUES

3:15 pm	<i>BREAK</i>	
3:30 pm	Discussion of the topic continues Issues for Discussion: •	<i><u>Moderator: David Spergel</u></i>
4:15 pm	Summary of the Discussion	<i><u>David Spergel, Chair</u></i>
OPEN SESSION : Science Talk		
4:30 pm	The Science of the Ocean Worlds	<i>Kevin Hand, JPL</i>
5:30 pm	Adjourn and Members are Free for the Evening	

FRIDAY, NOVEMBER 4, 2016

EXECUTIVE SESSION (SSB, ESSC & STANDING COMMITTEE MEMBERS ONLY)	
8:30 am	Board Discussions
11:45 am	Adjourn