

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

SPACE STUDIES BOARD

2015 Fall Meeting – 171st Meeting – November 3-5, 2015
Beckman Center of the National Academies of Sciences, Engineering and Medicine
Huntington Room, 100 Academy Way, Irvine CA

AGENDA

TUESDAY, NOVEMBER 3, 2015
(MORNING SESSIONS)

Breakfast available from 7:30 am at the Beckman Center

EXECUTIVE SESSION (SSB MEMBERS ONLY)		
8:15 am	Board Discussions	
9:40 am	<i>SHORT BREAK</i>	
OPEN SESSION		
Standing Committee Reports		
9:45 am	Welcome and Introduction of Members and Attendees	<i>David Spergel, SSB Chair</i>
9:55 am	Cttee on Astronomy and Astrophysics	<i>Marcia Rieke, CAA Co-Chair</i>
10:05 am	Cttee on Astrobiology and Planetary Science	<i>Phil Christensen, Greg Ferry, CAPS Co-Chairs</i>
10:15 am	Cttee on Earth Science and Applications from Space	<i>Joyce Penner, CESAS Chair</i>
10:25 am	Cttee on Solar and Space Physics	<i>Todd Hoeksema, CSSP Co-Chair</i>
10:35 am	Cttee on Biological and Physical Sciences in Space	<i>Rob Ferl, CBPSS Co-Chair</i>
10:45 am	<i>BREAK</i>	
11:00 am	Discussion of Issues Raised by the Standing Committees	<i>All</i>
11:25 am	Summary of Standing Committee Issues & Future Actions	<i>David Spergel, SSB Chair</i>
11:30 am	Plans for 2016 NRC Space Science Week	<i>Michael Moloney, SSB Director</i>
OPEN SESSION		
COSPAR and IAU Activities		
11:40 am	Update on COSPAR 2018 and Other COSPAR Activities (Greg Vane 15 minutes & David Smith 10 minutes)	<i>Gregg Vane, '18 Organizing Cttee</i> <i>David Smith, SSB Staff</i>
12:05 pm	Report on IAU Session on International Cooperation	<i>David Spergel, SSB Chair</i>
12:15 pm	<i>LUNCH</i>	

TUESDAY, NOVEMBER 3, 2015
(AFTERNOON SESSIONS)

OPEN SESSION Report on SMD		
1:15 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><u>John Grunsfeld, NASA</u></i>
2:15 PM	Discussion by Board Members and NASA Guests	
3:00 pm	<i>BREAK</i>	
OPEN SESSION Current and Future Issues and Activities		
3:20 pm	Update on Recent ESSC Activities	<i><u>Athena Coustenis, ESSC Chair</u></i>
4:00 pm	Briefing on COSPAR Roadmap on Space Weather	<i><u>Sarah Gibson, Member</u></i>
4:30 pm	Status of Planning for the 2016 Workshop	<i><u>Michael Moloney, SSB Director</u></i>
4:45 pm	Discussion of Issues before Ad-Hoc Study on NASA SMD Extended Missions and the Senior Review	<i><u>Vicky Hamilton, Cttee Co-Chair</u></i>
5:10 pm	Continuity Study – Report Outcomes	<i><u>Randy Friedl, Cttee Member</u></i>
5:40 pm	General Discussion by All of Today’s Topics	<i><u>David Spergel, SSB Chair</u></i>
6:00 pm	Reception – Beckman Center Patio	
6:45 pm	Dinner – Beckman Center Dining Room (Dinner for Board Members and Invited Guests and Speakers – Adjourn ~8:30pm)	

WEDNESDAY, NOVEMBER 4, 2015

Breakfast available from 7:30 am at the Beckman Center

OPEN SESSION		
Focus Session on NASA SMD and Education		
8:30 am	Welcome and Overview of Today's Agenda	<u>David Spergel</u> , SSB Chair
8:35 am	Impressions from 2014 Education Workshop	<u>Phil Christensen</u> , Cttee Co-Chair <u>Jim Manning</u> , Cttee Member
9:15 am	Summary of Restructuring of SMD Education	<u>Kristen Erikson</u> , NASA-SMD (By Video Link)
9:45 am	Board and Guests Discuss Next Steps (Including at 10:05 am Summary by Moderator)	<u>Moderator: David Spergel</u> , SSB Chair
10:10 am	<i>BREAK</i>	
OPEN SESSION		
Focus Session on Survey of Surveys Report		
10:30 am	Overview of the Survey of Surveys Report's Findings	<u>Alan Dressler</u> , Chair
11:15 am	How NASA-Astrophysics is Preparing for Astro2020 and what Lessons Learned Might be Most Important	<u>Paul Hertz</u> , NASA (By Video Link)
11:45 am	<i>LUNCH</i>	
12:45 pm	How Earth Science Decadal Might Take on Board the Lessons Learned – a Personal Perspective	<u>Tony Janetos</u> , SSB Member
1:15 pm	Recap of What We Heard So Far	<u>David Spergel</u> , SSB Chair
1:20 pm	Discussion by the Board and Guests (Including at 2:10 pm Summary by Moderator)	<u>Moderator: David Spergel</u> , SSB Chair
2:15 pm	<i>BREAK</i>	
OPEN SESSION		
Focus Session on Science and Human Exploration Beyond LEO		
2:30 pm	Work of ISECG Science Advisory Group	<u>Greg Schmidt</u> , NASA
3:00 pm	Science and the Human Exploration of Mars	<u>Richard Zurek</u> , JPL
3:30 pm	Science and the Human Exploration of the Moon	<u>Clive Neal</u> , LEAG Chair
4:00 pm	Science and the Human Exploration of Asteroids	<u>Erik Asphaug</u> , Arizona State Univ.
4:30 pm	Discussion by Board and Panel of Guest Speakers of What We Have Heard (Including at 5:25 pm Summary by Moderator)	<u>Moderator: David Spergel</u> , SSB Chair
OPEN SESSION		
Science Talk		
5:30 pm	Stratocruiser – A New Platform for Science	<u>Jim Anderson</u> , Harvard Univ.
6:00 pm	Adjourn and Members are Free for the Evening	

Note: The Board's meeting will continue on the morning of November 5th in closed executive session