

# THE NATIONAL ACADEMIES

*Advisers to the Nation on Science, Engineering, and Medicine*

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## NRC SPACE SCIENCE WEEK SPRING 2014 MEETING OF THE STANDING COMMITTEES OF THE SPACE STUDIES BOARD Outline Agenda

March 3-5, 2014  
NAS Building – 2101 Constitution Ave NW – Washington D.C

Monday March 3<sup>rd</sup>, 2014

MORNING PARALLEL BREAK-OUT SESSION #1

COMMITTEE ON ASTRONOMY AND ASTROPHYSICS (CAA) – Room 120

Monday AM: Agenda and Themes include:

10:00 – 12:00 PM -Update from NSF Astronomy Division

12:00 PM – 1:00 PM LUNCH

COMMITTEE ON ASTROBIOLOGY AND PLANETARY SCIENCE (CAPS) – Lecture Room

Monday AM: Agenda and Themes include:

8:30 AM-12:00 PM - Update from NASA Planetary Sciences Division  
- R&A Program Reorganization: Update from NASA  
- Astrobiology Program Update from NASA  
- EXO-MARS Program Update from ESA

12:00 PM – 1:00 PM LUNCH

COMMITTEE ON EARTH SCIENCE AND APPLICATIONS FROM SPACE (CESAS) – Board Room

Monday AM: Agenda and Themes include:

9:00 AM-10:00 PM - Closed Session  
10:00 AM-12:00 PM - Update from NASA Earth Science Division  
- Update from NOAA NESDIS  
- Update from USGS  
- Status update on NRC “Continuity Study”

12:00 PM – 1:00 PM LUNCH

COMMITTEE ON SOLAR AND SPACE PHYSICS (CSSP) – Room 125

Monday AM: Agenda and Themes include:

8:30 AM-12:00 PM -Update from NSF Division of Atmospheric and Geospace Sciences  
-Update from NASA Heliophysics Division

12:00 PM – 1:00 PM LUNCH

Detailed agendas for each standing committee available at the following links:

- [Committee on Astronomy and Astrophysics](#)
- [Committee on Earth Science and Applications from Space](#)
- [Committee on Astrobiology and Planetary Science](#)
- [Committee on Solar and Space Physics](#)

**NRC SPACE SCIENCE WEEK  
SPRING 2014 MEETING OF THE STANDING COMMITTEES OF THE  
SPACE STUDIES BOARD  
Outline Agenda**

March 3-5, 2014  
NAS Building – 2101 Constitution Ave NW – Washington D.C

Monday March 3 <sup>rd</sup> , 2014		
PLENARY SESSION - Auditorium		
1:00 PM	Welcome	<i>Michael Moloney, SSB Director</i>
1:05 PM	Opening Remarks	<i>Charlie Kennel, SSB Chair / Debra Elmegreen, BPA Vice Chair</i>
1:15 PM	Keynote Presentation: Current State of Play at SMD	<i>John Grunsfeld, AA for Science, NASA</i>
2:15 PM	Views from Congress	<i>Tom Hammond and Pamela Whitney, House Science, Space and Technology Cttee</i>
3:00 PM	Break	
3:20 PM	Focus Session on International Planning in Space Science Moderator: Charlie Kennel, SSB Chair	
3:20 PM	Introductory Remarks by Moderator	
3:25 PM	International Cooperation at NASA-SMD	<i>John Grunsfeld, NASA</i>
3:40 PM	Program and Planning at ESA-Space Science	<i>Alvaro Giménez, ESA</i>
4:10 PM	Program and Planning at CAS-NSSC	<i>Wu Ji, CAS</i>
4:40 PM	Program and Planning at JAXA-Space Science	<i>Saku Tsuneta, JAXA</i>
5:10 PM	Discussion of future opportunities and planning challenges	
6:00 PM	Reception and Dinner (by invitation only)	
8:30 PM	Adjourn	

**WEBEX LINKS FOR PLENARY AND PUBLIC LECTURE SESSIONS**

A limited number of listen-only WebEx connections will be available for the plenary session on the afternoon of Monday March 3<sup>rd</sup> (see above) and the public lecture on the evening of March 4<sup>th</sup> (see following page).

WebEx links are as follows:

**Plenary Session: Monday March 3<sup>rd</sup>, 2014 1:00pm – 6:00pm:**

<https://nationalacademies.webex.com/nationalacademies/j.php?ED=242843062&UID=0&RT=MiMxMQ%3D%3D>

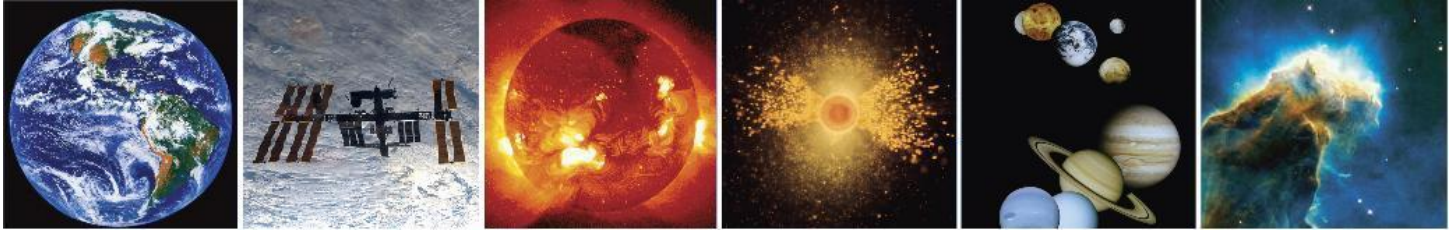
**Public Lecture: Tuesday March 4<sup>th</sup>, 2014 6:30pm – 8:30pm:**

<https://nationalacademies.webex.com/nationalacademies/j.php?ED=242843372&UID=0&RT=MiMxMQ%3D%3D>

## Outline Agenda

Tuesday March 4 <sup>th</sup> , 2014 / Wednesday March 5 <sup>th</sup> , 2014	
COMMITTEE ON ASTRONOMY AND ASTROPHYSICS (CAA) – Room 120	
<b>Tuesday AM:</b> 9:00 AM-11:45 AM	<b>Agenda and Themes include:</b> <ul style="list-style-type: none"> <li>- Update from DOE High Energy Physics Division</li> <li>- Results of the 2013 Snowmass Cosmic Frontier Workshop</li> <li>- Overview and update of the Transiting Exoplanet Survey Satellite (TESS)</li> </ul>
<b>Tuesday PM:</b> 12:45 PM – 5:15 PM	<b>Agenda and Themes include:</b> <ul style="list-style-type: none"> <li>- Update on the James Webb Space Telescope</li> <li>- Update from the NASA Astrophysics Division</li> <li>- Interim Reports from the NASA Astrophysics Science Definition Teams</li> </ul>
<b>Tuesday 6:30PM</b>	<b>Plenary Public Talk – Sara Seager, MIT: <i>Exoplanets and the Real Search for Alien Life</i></b>
<b>Wednesday AM:</b>	<b>Closed Session</b>
COMMITTEE ON ASTROBIOLOGY AND PLANETARY SCIENCE (CAPS) – Lecture Room	
<b>Tuesday AM:</b> 8:30 AM-12:15 PM	<b>Agenda and Themes include:</b> <ul style="list-style-type: none"> <li>- Europa's Plumes</li> <li>- Mars 2020 Status Report</li> <li>- Mars Issues</li> <li>- Radioisotope Power Systems</li> </ul>
<b>Tuesday PM:</b> 1:00 PM – 3:00 PM	<b>Agenda and Themes include:</b> <ul style="list-style-type: none"> <li>- Radioisotope Power Systems</li> <li>- Europa Clipper Update</li> </ul>
<b>Tuesday 6:30PM</b>	<b>Plenary Public Talk – Sara Seager, MIT: <i>Exoplanets and the Real Search for Alien</i></b>
<b>Wednesday AM:</b> 9:00 AM-9:45 PM	<b>Agenda and Themes include:</b> <ul style="list-style-type: none"> <li>- The RNA World</li> </ul>
COMMITTEE ON EARTH SCIENCE AND APPLICATIONS FROM SPACE (CESAS) – Board Room	
<b>Tuesday AM&amp;PM</b> 9:00 AM – 5:30 PM	<b>Agenda and Themes include:</b> <ul style="list-style-type: none"> <li>- Designing the Next Decadal Survey in Earth Science &amp; Applications from Space: A focus session on the design and execution of the next Earth science decadal survey to be released in 2017</li> <li>- Survey Goals , Survey Scope, Survey Robustness</li> <li>- Cost and Technical Evaluation (CATE)</li> <li>- Mission queue baseline</li> <li>- Balance between science and mission recommendations</li> <li>- International and Interagency Considerations</li> </ul>
<b>Tuesday 6:30PM</b>	<b>Plenary Public Talk – Sara Seager, MIT: <i>Exoplanets and the Real Search for Alien Life</i></b>
<b>Wednesday AM:</b> 8:30AM – 10:30AM	<b>Agenda and Themes include:</b> <ul style="list-style-type: none"> <li>- Decadal Survey Panel Structure</li> <li>- Decadal Advance Planning and Community Outreach</li> </ul>
COMMITTEE ON SOLAR AND SPACE PHYSICS (CSSP) – Room 125	
<b>Tuesday AM&amp;PM</b>	<b>Agenda and Themes include:</b> <ul style="list-style-type: none"> <li>- Discussions on space weather with agency representatives and other guests</li> </ul>
<b>Tuesday 6:30PM</b>	<b>Plenary Public Talk – Sara Seager, MIT: <i>Exoplanets and the Real Search for Alien Life</i></b>
<b>Wednesday AM:</b> 8:30 AM – 9:45 AM	<b>Agenda and Themes include:</b> <ul style="list-style-type: none"> <li>- Science Talk on the Ionospheric Connection Explorer - TBC</li> </ul>

In addition to the open sessions listed above each committee may meet in closed executive sessions as outline in the detailed agenda for each committee.



**NRC Space Science Week 2014  
March 3-5, 2014  
Washington, DC**

**Please join us for a public lecture**



## **Exoplanets and the Real Search for Alien Life**

**by Sara Seager  
Professor of Planetary Science and Physics, MIT.**

***Tuesday, March 4th @ 6:30pm  
National Academy of Sciences Building (Auditorium)  
2101 Constitution Ave., N.W., Washington, DC***

**[REGISTER ONLINE](#)**

*Astronomers have discovered over one thousand planets orbiting stars other than our Sun, with thousands more expected. Join Sara Seager of MIT as she explores the incredible diversity of these exoplanets and how further study could yield potential signs of life beyond Earth. This talk is open to the public and accessible to explorers of all ages.*

**For more information, please visit [www.nationalacademies.org/spacescienceweek](http://www.nationalacademies.org/spacescienceweek)**