

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 COMMITTEE ON ASTRONOMY AND ASTROPHYSICS

(subject to change)

March 3-5, 2014

NAS Building – 2101 Constitution Ave NW – Washington D.C

Monday March 3rd, 2014

MORNING PARALLEL BREAK-OUT SESSION

COMMITTEE ON ASTRONOMY AND ASTROPHYSICS (CAA) – Room 120

OPEN SESSION

Remote Access

WebEx:

<https://nationalacademies.webex.com/nationalacademies/j.php?ED=242087712&UID=501371157&RT=MIMxMQ%3D%3D>

10:00 AM	Welcome	Paul Schechter and David Spergel, Chairs
10:05 AM	Update from NSF Astronomy	Jim Ulvestad, NSF AST
10:45 AM	Break	
11:00 AM	Discussion with NSF	All
12:00 PM	Lunch available in the North Court	

Monday March 3rd, 2014

PLENARY SESSION - Auditorium

1:00 PM	Welcome	Michael Moloney, SSB Director
1:05 PM	Opening Remarks	Charlie Kennel, SSB Chair / Debra Elmegreen, BPA Vice Chair
1:15 PM	Keynote Presentation: Current State of Play at SMD	John Grunsfeld, AA for Science, NASA
2:15 PM	Views from Capitol Hill	Attendance – TBC
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	John Grunsfeld, NASA
3:40 PM	Program and Planning at ESA-Space Science	Alvaro Giménez, ESA
4:10 PM	Program and Planning at CAS-NSSC	Wu Ji, CAS
4:40 PM	Program and Planning at JAXA-Space Science	Saku Tsuneta, JAXA
5:10 PM	Discussion of future opportunities and planning challenges	
6:00 PM	Meeting Adjourns	

Tuesday March 4th, 2014

**INAUGURAL NRC SPACE SCIENCE WEEK PUBLIC LECTURE
NAS AUDITORIUM**

Tuesday March 4th, 6:30PM – 8:00PM

Exoplanets and the Real Search for Alien Life

Sara Seager, Massachusetts Institute of Technology

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.

Tuesday March 4th, 2014

COMMITTEE ON ASTRONOMY AND ASTROPHYSICS (CAA) – Room 120

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8:00 AM	<i>Breakfast available in the North Court</i>	
9:00 AM	Update from DOE High Energy Physics	Kathy Turner, DOE HEP
9:40 AM	Discussion with DOE	
10:00 AM	Results of the 2013 Snowmass Cosmic Frontier Workshop	TBD
10:45 AM	<i>Break</i>	
11:00 AM	Overview and update of the Transiting Exoplanet Survey Satellite (TESS)	George Ricker, MIT
11:45 AM	<i>Lunch available in the North Court</i>	
12:45 PM	Update on JWST	(via WebEx) Eric Smith, NASA
1:00 PM	Update from NASA APD	Paul Hertz, NASA
1:45 PM	Discussion with NASA	
2:45 PM	<i>Break</i>	
3:00 PM	Overview of context for NASA APD's ongoing mission studies	Paul Hertz, NASA
3:15 PM	WFIRST AFTA SDT Interim Report	Neil Gehrels and Kevin Grady, NASA
4:00 PM	EXO-C SDT Interim Report	(via WebEx) Karl Stapelfeldt, NASA
4:30 PM	EXO-S SDT Interim Report	Sara Seager, MIT
5:00 PM	General discussion	
5:30 PM	<i>Activities suspended for a buffet working dinner in the North Court followed by a public Lecture in the Auditorium</i>	
6:30 PM	Exoplanets and the Real Search for Alien Life	Sara Seager, MIT

Wednesday March 5th, 2014

COMMITTEE ON ASTRONOMY AND ASTROPHYSICS (CAA) – Room 120

CLOSED SESSION

12:00 PM *Meeting Adjourn*

NOTES

NAS Building: Is located at 2101 Constitution Ave., NW, between the State Department and the Vietnam Veterans Memorial. Additional information about the NAS Building is available at <http://www.nationalacademies.org/about/contact/nax.html>. The closest Metro station is Foggy Bottom (Blue and Orange lines; exit and turn right onto, then turn left once you have passed the State Department)—see http://www.nationalacademies.org/about/contact/na_069684.html.

Parking: Very limited parking is available at the NAS onsite. The 22 available sites are first come first served. The nearest Metro station is Foggy Bottom on the Orange/Blue lines. Other available parking options are as follows:

- PMI (Columbia Plaza) – Is located at 2400 Virginia Avenue NW. Phone (202) 785-2448. The daily rate is \$24. They also have a location at 111 19th Street NW, phone is (202) 466-7557.
- Colonial Parking – 2100 Pennsylvania Avenue NW. Phone (202) 295-8100. The daily rate is \$16.00. Their location on 20th Street is no longer operating.
- GW Elliot School Garage is located near the Department of Interior at 1957 E Street NW. The daily rate is \$26.00.

Registration: Is located in the Great Hall on Monday, March 3rd and in Room 120 on March 4th and 5th.

WebEx & Telecon Instructions:

1. Enter name and email address (you will not be spammed) and click “Join Meeting”
2. Let WebEx load (may take a minute); once loaded, WebEx will immediately and automatically provide you a pop-up window to enter the phone number you would like to be called at (i.e. home, office, mobile) to join the telecon. Enter your phone number and click “Call me” and follow the prompts.

Committee Website: http://sites.nationalacademies.org/SSB/SSB_084582

The following information is provided for any members of the general public who may be in attendance:

This meeting is being held to gather information to help the committee conduct its study. This committee will examine the information and material obtained during this, and other public meetings, in an effort to inform its work. Although opinions may be stated and lively discussion may ensue, no conclusions are being drawn at this time and no recommendations will be made. In fact, the committee will deliberate thoroughly before writing its draft report. Moreover, once the draft report is written, it must go through a rigorous review by experts who are anonymous to the committee, and the committee then must respond to this review with appropriate revisions that adequately satisfy the Academy’s Report Review committee and the chair of the NRC before it is considered an NRC report. Therefore, observers who draw conclusions about the committee’s work based on today’s discussions will be doing so prematurely.

Furthermore, individual committee members often engage in discussion and questioning for the specific purpose of probing an issue and sharpening an argument. The comments of any given committee member may not necessarily reflect the position he or she may actually hold on the subject under discussion, to say nothing of that person’s future position as it may evolve in the course of the project. Any inference about an individual’s position regarding findings or recommendations in the final report are therefore also premature.

RECORDING IN PROGRESS

This meeting will be recorded by the NRC. Please be aware that by entering this area, you consent to your voice being recorded for use by the NRC for the purpose of note taking. If you do not wish to be subject to being recorded, please do not enter this area.