

# THE NATIONAL ACADEMIES

Advisers to the Nation on Science, Engineering, and Medicine

This agenda was last updated on March 30, 2015

## NRC SPACE SCIENCE WEEK

### SPRING 2015 MEETING OF THE COMMITTEE ON ASTRONOMY AND ASTROPHYSICS

March 31-April 2, 2015

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

**Tuesday March 31, 2015**

#### MORNING PARALLEL BREAK-OUT SESSION

COMMITTEE ON ASTRONOMY AND ASTROPHYSICS (CAA) – Room 120

#### OPEN SESSION

7:30 AM	<i>Registration opens and breakfast is available in the Great Hall</i>	
9:30 AM	<b>Chairs Welcome Attendees</b>	<b>Marcia Rieke and Paul Schechter, Co-Chairs</b>
9:35 AM	<b>The Tensor-Scalar Ratio from the Ground and from Space</b>	<b>Lyman Page, Princeton</b>
10:15 AM	<i>Break available outside room</i>	
10:30 AM	<b>Update on JWST</b>	<b>Eric Smith, NASA</b>
10:50 AM	<b>WFIRST-AFTA coronagraph science and ground-based coronagraph progress</b>	<b>Bruce Macintosh, Stanford</b>
11:20 AM	<b>Update on LSST</b>	<b>Steve Kahn, LSST</b>
12:00 PM	<i>Lunch available in the Great Hall</i>	

**Tuesday March 31, 2015**

#### PLENARY SESSION - Auditorium

1:15 PM	<b>Welcome and Overview of Current SSB Activities</b>	<b>David Spergel, SSB Chair Jim Lancaster, BPA Director Michael Moloney, SSB Director</b>
1:45 PM	<b>NASA-SMD Budget, Program, and Priorities</b> <i>Presentation 15 mins / Q&amp;A 15 mins</i>	<b>Marc Allen, NASA</b>
2:15 PM	<b>Roundtable Discussion on SMD Inter-divisional Cooperation</b> <i>Opening Statements (3-4 mins each) 15 mins / Q&amp;A 15 mins</i> Mike Freilich ESD, Jim Green PSD, Paul Hertz ASD, Jeff Newmark HSD	<b>Neil Gehrels, Moderator</b>
2:45 PM	<b>Roundtable Discussion on NASA Inter-directorate Cooperation</b> <i>Opening Statements (3-4 mins each) 15 mins / Q&amp;A 15 mins</i> Greg Williams HEOMD, Jim Green, SMD, Jeff Sheehy, STMD	<b>David Spergel, Moderator</b>
3:15 PM	<i>Break available in the Great Hall</i>	
3:35 PM	<b>Briefing on Achieving Science with CubeSats</b> <i>Presentation 10 mins / Q&amp;A 15 mins</i>	<b>Thomas Zurbuchen, Cmte Chair</b>
4:00 PM	<b>Science on the International Space Station</b> <i>Presentation 20 mins / Q&amp;A 10 mins</i>	<b>Julie Robinson, NASA</b>
4:30 PM	<b>Discussion with OSTP / OMB</b> <i>Opening Statements (5 mins each) 10 mins / Q&amp;A 20 mins</i>	<b>Tammy Dickinson, OSTP and Grace Hu, OMB</b>
5:00 PM	<b>Discussion with Congressional Staff</b> <i>Opening Statements (5 mins each) XX mins / Q&amp;A XX mins</i>	<b>Tom Hammond, House Science, Space, and Technology Cmte Nick Cummings, Senate Subcmte on Space,</b>

Science, and Competitiveness

5:45 PM **Closing Comments**

6:00 PM *Public Meeting Adjourns*

**Wednesday April 1, 2015**

**COMMITTEE ON ASTRONOMY AND ASTROPHYSICS (CAA) – Board Room**

**OPEN SESSION**

7:30 AM *Registration opens and breakfast is available in the Great Hall*

9:00 AM **Chinese Academy of Sciences Program Astro Highlights** Ji Wu, Chinese Academy of Sciences

9:30 AM **Update from NSF Astronomy** James Ulvestad, NSF AST

10:15 AM *Break available outside room*

10:30 AM **Discussion with NSF** All

11:15 AM **Update from NASA APD** Paul Hertz, NASA

12:00 PM *Lunch available in the Great Hall*

1:00 PM **Discussion with NASA** All

1:45 PM **Update from DOE High Energy Physics** Kathy Turner, DOE

2:15 PM **Discussion with DOE** All

2:45 PM *Break available outside room*

3:00 PM **Overview of 2014-2015 AAAC Annual Report** Angela Olinto, University of Chicago

3:30 PM **Discussion of the Mid-Decadal Review and the CAA's Role** CAA and Agencies

4:30 PM **Discussion with ESSC Liaison** Pierre Binétruy, APC Université Paris Diderot

5:00 PM **General discussion** All

5:30 PM *Adjourn*

6:30 PM **Plenary Public Talk – *Our Place in the Universe: As Seen Through Past, Present, and Future Telescopes***  
*Jason Kalirai, Space Telescope Science Institute*

## GENERAL NOTES

**Pre-registration:** All participants, including committee members, invited speakers and other attendees, are strongly encouraged to preregister at <http://sgiz.mobi/s3/973e534a66ea>.

**Registration** will be located in the Great Hall during the event. Please check-in there to receive your badge.

**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>.

**Metro:** The closest Metro station (0.5 miles) is Foggy Bottom (Blue and Orange lines; exit and turn right, then turn left once you have passed the State Department)—see [http://www.nationalacademies.org/about/contact/na\\_069684.html](http://www.nationalacademies.org/about/contact/na_069684.html).

**Parking:** Very limited parking is available onsite at the NAS. The 22 available parking spaces are first come first served. Other available parking options are as follows:

- PMI (Columbia Plaza) –2400 Virginia Avenue NW. Phone (202) 785-2448. The daily rate is \$24.
- PMI - 111 19<sup>th</sup> Street NW. Phone (202) 466-7557. The daily rate is \$16.
- Colonial Parking – 2100 Pennsylvania Avenue NW. Phone (202) 295-8100. The daily rate is \$17.00.
- GW Elliot School Garage is located near the Department of Interior at 1957 E Street NW. The daily rate is \$26.00.

**Space Science Week Website:** [http://sites.nationalacademies.org/SSB/SSB\\_153141](http://sites.nationalacademies.org/SSB/SSB_153141)

### 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 in its charge. 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 nor will recommendations be made. Observers who draw conclusions about the committee's work based on this meeting'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 are therefore also premature.

### RECORDING OF THE MEETING

This meeting will be recorded by the NRC. Please be aware that by attending the meeting, you consent to your voice being recorded for use by the NRC for the purpose of note-taking. This recording will not be publicly released, shared outside of the NRC, or used for other public purposes.

## NOTES FOR PRESENTERS

If your presentation contains unpublished data, ITAR controlled and/or other sensitive information, please be aware that the open sessions at the meeting may be recorded and/or webcast. Presentation materials given to the committee may be posted on a publicly accessible website. Please edit your presentations accordingly.

Mac users should assume that their presentation will be displayed via one of the NRC's PCs. If your presentation is graphics heavy and best displayed via your own laptop, you should also bring a plain-vanilla pdf version of your presentation with you. The audience in the meeting room will see your presentation via your laptop and we will webcast the pdf file.

At some point a staff member will be asking you to sign a consent form allowing us to use your presentation, specifically to post it on our website.

## REMOTE CONNECTION DETAILS

### **WebEx & Telecon Instructions:**

Go to <https://nationalacademies.webex.com/>

1. Click on the meeting name (below) you want.
2. Enter your name and email address (you will not be spammed) and click "Join Meeting"
3. 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.
4. Enter the Meeting Password (below)
5. Teleconference only: Connection quality is much better via WebEx's "Call me" feature, so we strongly recommend that you connect this way. If you are not able to do so, you can dial 1-866-668-0721 and enter the conference code (below).

### **TUESDAY MARCH 31 OPEN SESSION 9:30 AM to 12:00 PM**

Meeting Name: **CAA Day 1 Open – Space Science Week**

Meeting Password: spaceweek

Conference Code: 237 439 8470

### **TUESDAY MARCH 31 PLENARY SESSION 1:15 PM to 6:00 PM**

Meeting Name: Space Science Wk Plenary

Meeting Password: spaceweek

Conference Code: 797 795 6056

### **WEDNESDAY APRIL 1 OPEN SESSION 9:00 AM to 5:30 PM**

Meeting Name: **CAA Day 2 Open – Space Science Week**

Meeting Password: spaceweek

Conference Code 237 439 8470

### **WEDNESDAY APRIL 1 PUBLIC LECTURE 6:30 PM**

The public lecture will be webcast, please go to [http://naswebcontent.nas.edu/ssb/ssb\\_153311](http://naswebcontent.nas.edu/ssb/ssb_153311) on the day of the lecture for a link to the webcast.