

NRC SPACE SCIENCE WEEK
SPRING 2015 MEETING OF THE COMMITTEE ON EARTH SCIENCE AND APPLICATIONS FROM SPACE
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 EARTH SCIENCE AND APPLICATIONS FROM SPACE (CESAS) – Room 280

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

OPEN SESSION

10:00 AM **Budget and Program Update from NASA's Earth Science Division** Jack Kaye, NASA HQ

11:30 AM **Briefing on PACE (Pre-Aerosol, Clouds, and ocean Ecosystem)** Paula Bontempi, NASA HQ

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

Tuesday March 31, 2015

PLENARY SESSION – Auditorium

1:15 PM **Welcome and Overview of Current SSB Activities** David Spergel, SSB Chair
Jim Lancaster, BPA Director
Michael Moloney, SSB Director

1:45 PM **NASA-SMD Budget, Program, and Priorities** Marc Allen, NASA
Presentation 15 mins / Q&A 15 mins

2:15 PM **Roundtable Discussion on SMD Inter-divisional Cooperation** Neil Gehrels, Moderator
Opening Statements (3-4 mins each) 15 mins / Q&A 15 mins Mike Freilich ESD, Jim Green PSD, Paul Hertz ASD, Jeff Newmark HSD

2:45 PM **Roundtable Discussion on NASA Inter-directorate Cooperation** David Spergel, Moderator
Opening Statements (3-4 mins each) 15 mins / Q&A 15 mins Greg Williams HEOMD, Jim Green, SMD, Jeff Sheehy, STMD

3:15 PM *Break available in the Great Hall*

3:35 PM **Briefing on Achieving Science with CubeSats** Thomas Zurbuchen, Cmte Chair
Presentation 10 mins / Q&A 15 mins

4:00 PM **Science on the International Space Station** Julie Robinson, NASA
Presentation 20 mins / Q&A 10 mins

4:30 PM **Discussion with OSTP / OMB** Tammy Dickinson, OSTP and Grace Hu, OMB
Opening Statements (5 mins each) 10 mins / Q&A 20 mins

5:00 PM **Discussion with Congressional Staff** Tom Hammond, House Science, Space, and Technology Cmte
Opening Statements (5 mins each) XX mins / Q&A XX mins Nick Cummings, Senate Subcmte on Space,
Science, and Competitiveness

5:45 PM **Closing Comments**

6:00 PM *Public Meeting Adjourns*

Wednesday April 1, 2015

COMMITTEE ON EARTH SCIENCE AND APPLICATIONS FROM SPACE (CESAS) – Room 280

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

OPEN SESSION

Agency Updates

9:00 AM NOAA NESDIS Tom Burns, Deputy Assistant Administrator for Systems, NOAA

9:50 AM USGS Climate & Land Use Change Sarah Ryker, Deputy Associate Director, USGS

10:20 AM *Break available outside room*

10:35 AM Discussion with Tim Stryker Tim Stryker, Director, US GEO Program, OSTP

11:15 AM **Roundtable Discussions: Planning for the Earth Science from Space Decadal Survey–I**
-- Constraints and Opportunities for the Future Environmental Satellite Architecture
Committee and NRC; Steve Battel, Battel Eng. (via telecon); Bruce Wielicki, NASA LaRC; Piers Sellers and Colleen Hartman (via telcon), NASA GSFC; Jack Kaye, NASA ESD; Tom Burns, NOAA NESDIS; Sarah Ryker, USGS; Debra Emmons, Aerospace Corp

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

1:00 PM **Roundtable Discussions: Planning for the Earth Science from Space Decadal Survey-II**
Committee and NRC; Steve Battel, Battel Eng. (via telecon); Bruce Wielicki, NASA LaRC; Piers Sellers and Colleen Hartman (via telcon), NASA GSFC; Jack Kaye, NASA ESD; Tom Burns, NOAA NESDIS; Sarah Ryker, USGS; Debra Emmons, Aerospace Corp

Topics may include:

- Task Statement
- Options for Survey Organization
 - > By discipline, theme, or matrix? Ideas for cross-cutting focus groups; Separate panel for applications?
- Engagement of Int'l Partners
- Capturing New Players and "New Space"
- White Papers and Outreach Planning

2:30 PM *Break available outside room*

2:45 PM **Continue Roundtable Discussions**

4:00 PM **RapidScat** Stacey Boland, CESAS and JPL

4:30 PM *Break available outside room – open session ends*

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

Thursday April 2, 2015

COMMITTEE ON EARTH SCIENCE AND APPLICATIONS FROM SPACE (CESAS)

Executive Session Only

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.

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 19th 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

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 1-886-668-0721 and enter the conference code (below).

TUESDAY MARCH 31 OPEN SESSION 10:00 AM to 12:00 PM

Meeting Name: CESAS Day 1 Open – Space Science Week

Meeting Password: spaceweek

Conference Code: 721 387 7009

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 4:30 PM

Meeting Name: CESAS Day 2 Open – Space Science Week.

Meeting Password: spaceweek

Conference Code 721 387 7009

WEDNESDAY APRIL 1 PUBLIC LECTURE 6:30 PM

The public lecture will be webcast. Please go to http://naswebcontent.nas.edu/ssb/ssb_153311 on the day of the lecture for a link to the webcast.