

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 STANDING COMMITTEES OF THE SPACE STUDIES BOARD Outline Agenda

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

9:30 AM The Tensor-Scalar Ratio from the Ground and from Space Division Lyman Page, Princeton
Update on JWST Eric Smith, NASA
WFIRST-AFTA coronagraph science and ground-based coronagraph progress Bruce Macintosh, Stanford
Update on LSST Steve Kahn, LSST

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

8:30 AM NASA Planetary Science Division Status Report Jim Green, NASA PSD
NASA Astrobiology Program Update Mary Voytek, NASA
Joint Session with CSSP: China's Future Lunar and Mars Programs Ji Wu, CAS NSSC
Joint Session with CSSP: Discussion of Maven Bruce Jakosky, Univ. of Colorado

COMMITTEE ON BIOLOGICAL AND PHYSICAL SCIENCES IN SPACE (CBPSS) – Board Room

10:45 AM Role of Center for the Advancement of Science in Space (CASIS) Gregory Johnson & Mike Roberts CASIS

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

10:00 AM Budget and Program Update from NASA's Earth Science Division Jack Kaye, NASA
Briefing on PACE (Pre-Aerosol, Clouds, and ocean Ecosystem) Paula Bontempi, NASA

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

9:45 AM ESSC's Activities in Solar and Space Physics Athena Cpustenis & Nicolas Walter, ESSC
Joint Session with CAPS: China's Activities in Solar and Space Physics Ji Wu, CAS NSSC
Joint Session with CAPS: Discussion with MAVEN Bruce Jakosky, Univ. of Colorado

PLENARY SESSION - Auditorium

12:00 PM Lunch available in the Great Hall

1:15 PM Welcome and Overview of Current SSB Activities Michael Moloney, SSB Director
David Spergel, SSB Chair
NASA-SMD Budget, Program, and Priorities Marc Allen, NASA
Roundtable Discussion on SMD Inter-divisional Cooperation Neil Gehrels, Moderator
Jack Kaye ESD, Jim Green PSD, Paul Hertz ASD, Jeff Newmark HSD
Roundtable Discussion on NASA Inter-directorate Cooperation David Spergel, Moderator
Greg Williams HEOMD, Jeff Sheehy STMD, Jim Green SMD

Break available in the Great Hall

Briefing on Achieving Science with CubeSats Thomas Zurbuchen, Cttee Chair
Science on the International Space Station Julie Robinson, NASA
Discussion with OSTP / OMB Tammy Dickinson, OSTP and Grace Hu, OMB
Discussion with Congressional Staff Tom Hammond (House) and Nick Cummings (Senate)

6:00 PM Public Meeting Adjourns

Wednesday, April 1, 2015

COMMITTEE ON ASTRONOMY AND ASTROPHYSICS (CAA) – Board Room

9:00 AM	Chinese Academy of Sciences Program Astro Highlights	Ji Wu, Chinese Academy of Sciences
	Update from NSF Astronomy	James Ulvestad, NSF
	Update from NASA APD	Paul Hertz, NASA
	Update from DOE High Energy Physics	Kathy Turner, DOE
	Overview of 2014-2015 AAAC Annual Report	Angela Olinto, Univ. of Chicago
	Discussion of the Mid-Decadal Review and the CAA's Role	CAA and Agencies
	Discussion with ESSC Liaison	Pierre Binétruy, APC Université Paris Diderot

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

8:30 AM	Mars Exploration Program Update	James Watzin, NASA
	NSF-NASA Alternative Chemistries of Life Workshop	David Lynn, Emory University
	Outer Planets Update	Curt Niebur, NASA
	Europa Mission Clipper Update	Barry Goldstein and Robert Pappalardo, JPL
	Europa Plumes Workshop Report	Britney Schmidt, Georgia Tech
	NAI Update	Carl Pilcher, NASA
	Mars after Mars 2020	Scott Hubbard, Stanford University
		Chris Carberry, Explore Mars, Inc.
		James Garvin and Harley Thronson, NASA
	Synergies for Human Exploration With Decadal Survey Science Objectives	Richard Binzel

COMMITTEE ON BIOLOGICAL AND PHYSICAL SCIENCES IN SPACE (CBPSS) – Room 120

9:00 AM	Full-Day Mini Symposium on Genelab and Open Science Approaches	
	Open Science Concept	Marshall Porterfield, NASA
	GeneLab Plans and Challenges	Dan Berrios, NASA
	Physical Sciences Informatics Database	Francis Chiaramonte, NASA
	Space Telescope Science Institute Database	Rick White, STSCI
	Genomics Database Panels: presentations and discussion	Various Panelists

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

9:00 AM	Agency Updates (NOAA and USGS)	Tom Burns, NOAA and Sarah Ryker, USGS
	Discussion with OSTP	Tim Stryker, OSTP
	Roundtable Discussions: Roundtable Discussions: Planning for the Earth Science from Space Decadal Survey—Constraints and Opportunities	All
	RapidScat	Stacey Boland, JPL

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

8:30 AM	NASA Heliophysics Update	Jeff Newmark, NASA
	NSF Atmospheric and Geospace Sciences Update	Vladimir Papitashvili, NSF
	NOAA Space Weather Prediction Center Update	Tom Berger, SWPC (via telecon)
	DKIST Update	David Boboltz, NSF
	Roundtable on Space Weather	Representatives from NASA, NSF, SWPC, OSTP
	DRIVE Initiative Discussion	Sarah Gibson, HAO (via telecon)

Public Lecture - Auditorium

6:30 PM	Plenary Public Talk – <i>Our Place in the Universe: As Seen Through Past, Present, and Future Telescopes</i>	Jason Kalirai, Space Telescope Science Institute
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Thursday, April 2, 2015

COMMITTEE ON ASTRONOMY AND ASTROPHYSICS (CAA) – Room 120

Executive Session

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

8:30 AM Initial Results from Rosetta Claudia Alexander, JPL
NASA Exoplanet Exploration Program Douglas Hudgins, NASA

COMMITTEE ON BIOLOGICAL AND PHYSICAL SCIENCES IN SPACE (CBPSS) – Board Room

9:00 AM SLPSRA Update Status and Issues Marshall Porterfield, NASA

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

Executive Session

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

8:30 AM SPA Advocacy Group Update - Discussion of Committee Outreach Len Fisk, Univ. of Michigan
Accelerating the STP Science Program All

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

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

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

WEBEX LINK FOR PLENARY SESSION

A limited number of listen-only WebEx connections will be available for the plenary session on the afternoon of Tuesday March 31st (see above) and the public lecture on the evening of April 1st.

WebEx instructions and links are as follows:

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 PLENARY SESSION 1:15 PM to 6:00 PM

Meeting Name: Space Science Wk Plenary

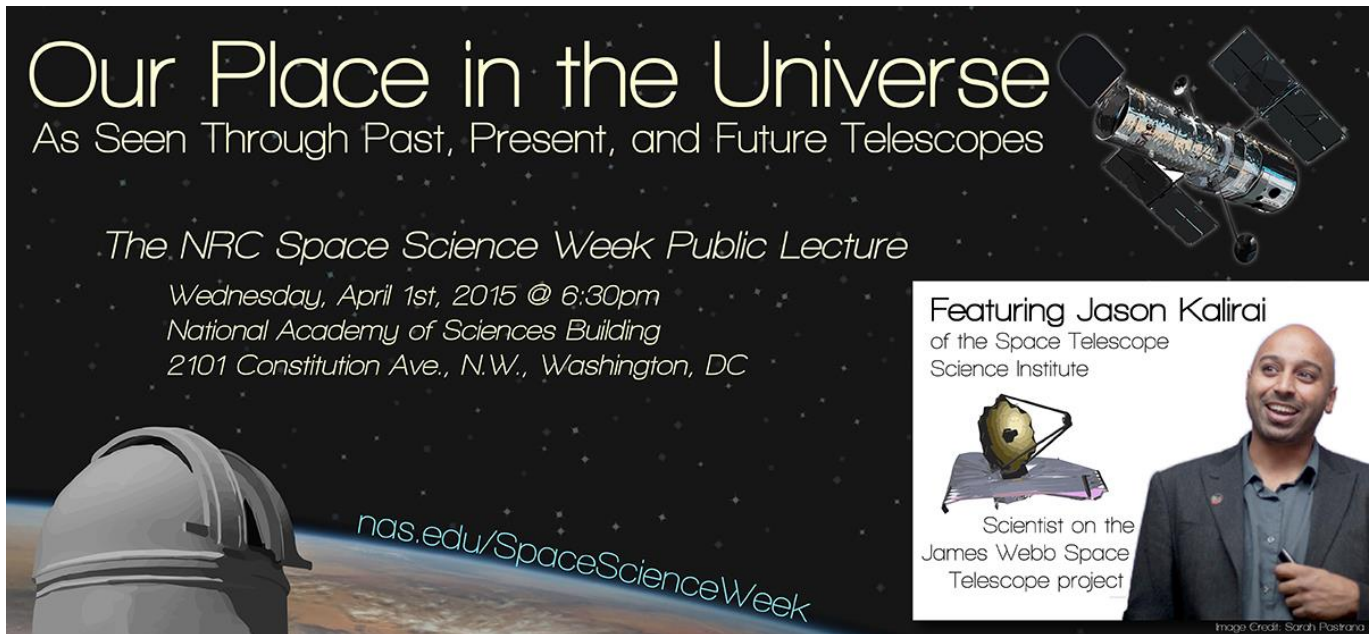
Meeting Password: spaceweek

Conference Code: 797 795 6056

WEBCAST LINK FOR PUBLIC LECTURE

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.

Please join us for a public lecture



Our Place in the Universe

As Seen Through Past, Present, and Future Telescopes

The NRC Space Science Week Public Lecture

Wednesday, April 1st, 2015 @ 6:30pm
National Academy of Sciences Building
2101 Constitution Ave., N.W., Washington, DC

nas.edu/SpaceScienceWeek

Featuring Jason Kalirai
of the Space Telescope
Science Institute

Scientist on the
James Webb Space
Telescope project

Image Credit: Sarah Pastrana

[REGISTER ONLINE](#)

“What is our place in Universe?” Throughout human history, astronomy has repeatedly overthrown our understanding of this question and new telescopes and astronomers continue to do so. Join Jason Kalirai of the Space Telescope Science Institute as he explores 6,000 years of human astronomy, showcases the biggest discoveries of the Hubble Space Telescope, including some of his own work, and ponders current mysteries of the Universe that may be unlocked by NASA's next flagship telescopes. This talk is open to the public and accessible to explorers of all ages.

For more information, please visit nas.edu/SpaceScienceWeek

