

SPACE SCIENCE WEEK

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Spring 2021 Meeting of the Discipline Committees of the Space Studies Board

Committee on Solar and Space Physics

March 23, 2021

Virtual Meeting

ALL TIMES IN US EASTERN DAYLIGHT TIME (UTC-4:00)

This agenda is a draft, subject to change, and was last updated on 3/22/2021 12:03 PM

TUESDAY, MARCH 23, 2021

Space Science Week Plenary Session

OPEN SESSION

Meeting Open to the Public

Livestreaming Link: <https://livestream.com/accounts/7036396/events/9569460>

Opening Session: Introductions and NASA Science Program Update

11:00 AM	Welcome	Dr. Margy Kivelson, SSB Chair
11:05 AM	NASA Science Mission Directorate Introduction (40 minute presentation)	Dr. Thomas Zurbuchen, Assoc. Administrator, SMD, NASA
11:45 AM	Panel 1: NASA Science Mission Directorate Division Directors (7 minute presentation each and 25 minute discussion) Moderator: Panelists:	Dr. Margy Kivelson, SSB Chair Dr. Karen St. Germain, Director, Earth Science Division, SMD, NASA Dr. Nicola Fox, Director, Heliophysics Division, SMD, NASA Dr. Lori Glaze, Director, Planetary Science Division, SMD, NASA Dr. Paul Hertz, Director, Astrophysics Division, SMD, NASA Dr. Craig Kundrot, Director, Biological and Physical Sciences Division, SMD, NASA
12:45 PM	Break (30 minute break)	
1:15 PM	Address from NASA Acting Administrator	Dr. Steve Jurczyk, Acting Administrator, NASA
1:45 PM	The Perils of Complacency: America at a Tipping Point in Science and Engineering (40 minute presentation followed by a 20 minute discussion)	Mr. Norm Augustine, Chairman and CEO (ret.), Lockheed Martin Corporation / Dr. Neal Lane, Professor Emeritus, Baker Institute for Public Policy, Rice University
2:45 PM	Break (20 minute break)	

Space Science from an International Perspective: Achievements during the Year of Pandemic

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3:05 PM	ESA Science Highlights (10 minute presentation)	<i>Dr. Günther Hasinger, Director of Science, ESA</i>
3:15 PM	ESA Science Program Strategy (10 minute presentation)	<i>Dr. Fabio Favata, Head, Strategy, Planning, and Coordination Office; Directorate of Science ESA</i>
3:25 PM	ESA Earth Observation Perspective (10 minute presentation)	<i>Dr. Maurice Borgeaud, Head, Earth Observation Department, ESA</i>
3:35 PM	ESA Exploration Science (10 minute presentation)	<i>Dr. David Parker, Director, Human and Robotic Exploration, ESA</i>
3:45 PM	Break (10 minute break)	
3:55 PM	Russian Space Research Institute Perspective (10 minute presentation)	<i>Dr. Lev Zelenyi, Scientific Advisor, Russian Space Research Institute (IKI)</i>
4:05 PM	Chinese National Space Science Center (NSSC) Perspective (10 minute presentation)	<i>Dr. Chi Wang, Director-General, NSSC, Chinese Academy of Sciences</i>
4:15 PM	Japanese Aerospace Exploration Agency (JAXA) Perspective (10 minute presentation)	<i>Dr. Masaki Fujimoto, Deputy Director General, JAXA</i>
4:25 PM	Round-Table Discussion with International Space Science and Exploration Leaders (35-minute discussion)	
5:00 PM	Plenary Session Adjourns	

Public Session

Meeting Open to the Public

Livestreaming Link: <https://livestream.com/accounts/7036396/events/9569460>

5:30 PM **Keynote Space Science Week Public Lecture**
“Climate Change as seen from Space”
Dr. Gavin Schmidt
Acting Senior Climate Advisor, NASA-HQ / Director, Goddard Institute of Space Studies, NASA

Public Lecture Abstract

We have been observing the climate system from space since the 1960s, and more comprehensively since 1979. Over that time trends in many variables such as temperature, sea ice, gravity, ozone, clouds, and sea level, have been detected and through the use of sophisticated climate models, attributed fully or partially to anthropogenic influences on the climate system. More recently, we have successfully started to attribute the frequency and intensity of some classes of extreme events (such as heat waves, drought, coastal flooding and intense precipitation) to those same anthropogenic drivers. I will discuss the unique perspective on climate through all manner of space-borne observations and the emerging science of extreme event attribution, and what the next decade might hold.

Speaker Bio

Gavin Schmidt is the acting Senior Advisor on Climate at NASA and Director of the Goddard Institute for Space Studies. His research covers climate changes in past, present and future climate mostly using the GISS Earth System Model. He was the author with Josh Wolfe of “Climate Change: Picturing the Science” in 2009 and, in 2011, was the inaugural recipient of the AGU Climate Communication Prize. His 2014 TED talk has been seen more than a million times. He is a fellow of the AGU and AAAS

WEDNESDAY, MARCH 24, 2021

ALL TIMES IN US EASTERN DAYLIGHT TIME (UTC-4:00)

Committee on Solar and Space Physics

CLOSED SESSION

11:30 AM Closed, Committee-Only Discussion

1:00 PM Break and Reconvene in Open Session

OPEN SESSION

Zoom Webinar Remote Access Information – Open Session

Phone: +1-646-518-9805

Link: <https://nas-sec.zoomgov.com/j/1610068939?pwd=aEk1aVFGQWhHdFUyN1dBQWRpMjdYdz09>

Passcode: 127607

1:45 PM Welcome and Meeting Intro Items *Maura Hagan and Tuija Pulkkinen, CSSP Co-Chairs*

1:50 PM Update from NASA Heliophysics *Nicola Fox, NASA*

2:20 PM Discussion with NASA Heliophysics *Nicola Fox, CSSP members, and invited guests*

2:50 PM Update from NSF Geospace Section *Robert Moore, NSF*

3:05 PM Update from NSF Division of Astronomical Sciences *Carrie Black and David Boboltz, NSF*

3:15 PM Discussion with NSF Geospace Section and NSF Division of Astronomical Sciences *Carrie Black, David Boboltz, Robert Moore, CSSP members, and invited guests*

*3:25 PM Break
(50 minute break)*

4:15 PM Update from NOAA SWPC *Clinton Wallace, NOAA*

4:30 PM Update from NOAA NESDIS *Elsayed Talaat, NOAA*

4:40 PM Discussion with NOAA SWPC and NOAA NESDIS *Clinton Wallace, Elsayed Talaat, CSSP members, and invited guests*

4:50 PM Planetary Science Workforce Survey *Julie Rathbun, Planetary Science Institute*

5:35 PM Adjourn for the Day

THURSDAY, MARCH 25, 2021

ALL TIMES IN US EASTERN DAYLIGHT TIME (UTC-4:00)

Committee on Solar and Space Physics

OPEN SESSION

Zoom Webinar Remote Access Information – Open Session

Phone: +1-646-518-9805

Link: <https://nas-sec.zoomgov.com/j/1610068939?pwd=aEk1aVFGQWhHdFUyN1dBQWRpMjYdZ09>

Passcode: 127607

11:30 AM	Refinement of STP and LWS Mission Lines in the Next Decade	Jared Leisner, NASA
12:15 PM	Update on Dual-Anonymous Peer Review at NASA	Daniel Evans, NASA
12:45 PM	<i>Break</i> (30 minute break)	
1:15 PM	Discussion Topic – COVID-19 Impacts on the Solar and Space Physics Communities	NASA, NSF, NOAA, and CSSP members
2:00 PM	Additional Discussion of Open Topics	CSSP members and invited guests
2:45 PM	<i>Adjourn Open Session</i> <i>Break to Reconvene in Closed Session</i> (45 minute break)	

CLOSED SESSION

3:30 PM	Closed, Committee-Only Discussion
5:00 PM	<i>Meeting Adjourns</i>

GENERAL NOTES

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.

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.

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

Zoom Web Conference & Telecon Instructions

Register in advance for this webinar:

https://nas-sec.zoomgov.com/webinar/register/WN_Nfd7YdDks_GK_x2B7VT-tw

Or an H.323/SIP room system:

H.323: 161.199.138.10 (US West) or 161.199.136.10 (US East)

Meeting ID: 161 006 8939

Passcode: 127607

SIP: 1610068939@sip.zoomgov.com

Passcode: 127607

After registering, you will receive a confirmation email containing information about joining the webinar.

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