



SPACE STUDIES BOARD FALL MEETING

183rd Meeting – November 15-17

1st Space Studies Board / Board on Physics and Astronomy Joint Session

November 17

BOARD ON PHYSICS AND ASTRONOMY FALL MEETING

Fall Meeting – November 17-18, 2021

Virtual Meeting

ALL TIMES IN US EASTERN STANDARD TIME (UTC-5:00)

This agenda is a draft and subject to change. Last updated 11/17/2021 10:46 AM

AGENDA

MONDAY, NOVEMBER 15, 2021
SSB Meeting Day 1

OPEN SESSION

Open to Public Viewing

Livestream Link: <https://livestream.com/accounts/7036396/events/9926169>

1:00 PM	Introduction/Opening Remarks	Dr. Margaret Kivelson, SSB Chair
1:05 PM	Update from the Committee on Astronomy & Astrophysics (10 minute presentation & 10 minute discussion)	Dr. Thomas Greene / Dr. Christopher McKee CAA Co-Chairs
1:25 PM	Update from the Committee on Solar and Space Physics (10 minute presentation & 10 minute discussion)	Dr. Tuija Pulkkinen CSSP Co-Chair
1:45 PM	Update from the Committee on Earth Science and Applications from Space (10 minute presentation & 10 minute discussion)	Dr. Everette Joseph / Dr. Steven Running CESAS Co-Chairs
2:05 PM	Update from the Committee on Astrobiology and Planetary Science (10 minute presentation & 10 minute discussion)	Dr. Martha Gilmore / Dr. Christopher House CAPS Co-Chairs

- 2:25 PM** **Update from the Committee on Biological and Physical Sciences in Space** **Dr. Dava Newman**
 (10 minute presentation & 10 minute discussion) **CBPSS Co-Chair**
- 2:45 PM* *Break (1 hour)*
- 3:45 PM** **Update from the Committee on Planetary Protection** **Mr. Joseph Alexander / Dr. Amanda Hendrix**
CoPP Report on the Study of Lunar Volatiles **CoPP Co-Chairs**
CoPP Report on Mars Bioburden Requirements
 (30 minute presentation & 15 minute discussion)
- 4:30 pm** **Panel on Space Commercialization in Low Earth Orbit**
 (10 minute presentations & 20 minute discussion period)
Moderator: **Dr. Margaret Kivelson, SSB Chair**
Panelists: **Dr. Matt Weinzierl, Harvard University**
 Ms. Robyn Gatens, NASA ISS
 Dr. Erika Wagner, Blue Origin / SSB Member
 Mr. Jeffrey Manber, NanoRacks
- 5:30 PM* *Open Session Adjourns*

TUESDAY, NOVEMBER 16, 2021
SSB Meeting Day 2

OPEN SESSION

Open to Public Viewing

Livestream Link: <https://livestream.com/accounts/7036396/events/9926169>

- 1:00 PM** **Introduction/Opening Remarks** **Dr. Margaret Kivelson, SSB Chair**
- 1:05 PM** **Update and Discussion with NASA Science** **Dr. Thomas Zurbuchen**
Mission Directorate (SMD) **Associate Administrator, SMD, NASA**
 (40 minute presentation & 30 minute discussion period)
- 2:15 PM* *Open Session Adjourns*

WEDNESDAY, NOVEMBER 17, 2021
1st Joint BPA/SSB Meeting

OPEN SESSION

Open to Public Viewing

Livestream Link: <https://livestream.com/accounts/7036396/events/9926169>

11:20 AM	Introduction/Opening Remarks	Dr. Margaret Kivelson, SSB Chair Dr. Andrew Lankford, BPA Chair
11:25 AM	Update on the Status of the Astro2020 Decadal Survey (55 minute presentation & 25 minute discussion)	Dr. Fiona Harrison / Dr. Rob Kennicutt Decadal Survey Co-Chairs
<i>12:45 PM</i>	<i>Break (1 hour)</i>	
1:45 PM	Update from the Department of Energy Office of Science (30 minute presentation & 15 minute discussion)	Dr. Harriet Kung Deputy Director for Science Programs, DOE
2:30 PM	Key Issues in the NSF Division of Astronomical Sciences (20 minute presentation & 15 minute discussion)	Dr. Debra Fischer National Science Foundation
3:05 PM	Update from the NASA Astrophysics Division (20 minute presentation & 15 minute discussion)	Dr. Paul Hertz NASA Astrophysics Division
<i>3:40 PM</i>	<i>Break (50 minutes)</i>	
4:30 PM	Update on the Committee on Radio Frequencies (20 minute presentation & 15 minute discussion)	Dr. Nathaniel Livesey CORF Chair
<i>5:05 PM</i>	<i>Break (55 minutes)</i>	
6:00 PM	SpaceX Starship Discussion (30 minute discussion)	Mr. Elon Musk SpaceX Chief Engineer
<i>6:30 PM</i>	<i>SSB-BPA Joint Meeting Adjourns</i>	

THURSDAY, NOVEMBER 18, 2021
BPA Meeting Day 2

OPEN SESSION

Open to Public Viewing

Livestream Link: <https://livestream.com/accounts/7036396/events/9926169>

12:40 PM	Introduction/Opening Remarks	Dr. Andrew Lankford, BPA Chair
12:45 PM	Update on Bringing Fusion to the U.S. Grid Study (20 minute presentation & 10 minute discussion)	Dr. R.J. Hawryluk Committee Chair
<i>1:15 PM</i>	<i>Break (1 hour)</i>	
2:15 PM	Briefing on Plasma Science: Enabling Technology Study (May 2020) (20 minute presentation & 10 minute discussion)	Dr. Mark J. Kushner, Dr. Gary Zank Committee Co-Chairs
2:45 PM	Update on Frontiers in Synthetic Moiré Quantum Matter Workshop (20 minute presentation & 10 minute discussion)	Dr. Aharon Kapitulnik Committee Chair
3:15 PM	National Ignition Facility: Challenges and Opportunities (30 minute presentation & 15 minute discussion)	Dr. Doug Larson, NIF Director Dr. Mark Herrmann, NIF Deputy Program Director for Fundamental Weapons Physics
<i>4:00 PM</i>	<i>Open Session Adjourns</i>	