

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

DIVISION ON ENGINEERING AND PHYSICAL SCIENCES
SPACE STUDIES BOARD

COMMITTEE ON SOLAR AND SPACE PHYSICS

October 16-17, 2018

Beckman Center, Irvine, CA

Balboa Room

DRAFT – Updated 10-11-18

Tuesday October 16, 2018

7:30 AM *Breakfast available for invited guests in the dining hall*

CLOSED SESSION

8:30 AM **Committee Discussion**

OPEN SESSION

Remote Access Information

U.S. (phone): +1 (646) 558-8656 or +1 (669) 900-6833

Link: <https://nasem.zoom.us/j/191434124>

Meeting ID: 191 434 124

9:05 AM **Welcome and Meeting Overview** **Sarah Gibson and Maura Hagan, Co-Chairs**

9:10 AM **NASA Heliophysics Update** **Nicola Fox, NASA**

10:15 AM **NSF Geospace Update** **Mike Wiltberger, NSF (via telecon)**

11:00 AM *Break*

11:30 AM **NSF Astronomy Update** **Richard Green, NSF and David Boboltz, NSF (via telecon)**

12:00 PM *Lunch will be served in the dining hall; discussion will continue*

1:00 PM **NOAA SWPC Update** **Howard Singer, NOAA**

1:30 PM **Heliophysics Advisory Council update** **Mike Liemohn, U. Michigan**

2:15 PM **Parker Solar Probe update** **Rob Decker, JHU APL**

3:00 PM *Break*

3:30 PM **GOLD Mission Update**
Richard Eastes and Bill McClintock, U Colorado Boulder (via telecon)

4:15 PM	Discussion of Solar and Space Physics Midterm	Committee and Guests
5:00 PM	Continued Discussion	Committee and Guests
5:30 PM	<i>Activities suspended to reconvene in open session for a working dinner.</i>	
6:00 PM	<i>Working dinner: Roy's Newport Beach, 453 Newport Center Drive</i>	

Wednesday October 17, 2018
Balboa Room

7:30 AM *Breakfast available for invited guests in the dining hall*

CLOSED SESSION

8:30 AM **Committee discussion**

OPEN SESSION

Remote Access Information

U.S. (phone): +1 (646) 558-8656 or +1 (669) 900-6833

Link: <https://nasem.zoom.us/j/758234787>

Meeting ID: 758 234 787

9:00 AM	Demographics Discussion	Fran Bagenal, University of Colorado (via telecon)
9:45 AM	Space Weather Follow On Discussion	TBD
10:30 AM	<i>Break</i>	
10:45 AM	SWORM Update	Michael Bonadonna, NOAA (via telecon)
11:15 AM	Recently released report: <i>Open Source Software Policy Options for NASA Earth and Space Sciences</i>	
		Chelle Gentemann, Earth and Space Research Mark Parsons, Rensselaer Polytechnic Institute
12:00 PM	<i>Lunch will be served in the dining hall; discussion will continue</i>	
	Short session on smallsat constellations	
1:00 PM	NASA perspectives	Charles Norton, NASA (via telecon)
1:45 PM	NSF CubeSat program	Irfan Azeem, NSF (via telecon)
2:30 PM	<i>Break</i>	
2:45 PM	Iridium Constellation and hosted payloads	Scott Teplitz, Iridium

- 3:30 PM** **Constellations of commercial smallsats – opportunities and challenges**
Jonny Dyer, Google
- 4:15 PM** **Discussion of potential future short reports and the spring CSSP meeting**
Committee and guests
- 5:00 PM** *Meeting adjourns*

NOTES

Note to Observers: This meeting is being held to gather information to help the committee conduct its activities. The committee will examine the information and material obtained during open sessions in an effort to inform its work. Although opinions may be stated and lively discussion may ensue, no conclusions are being drawn at this time. Therefore, observers who draw conclusions about the committee’s work based on discussions during this meeting 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 committee’s activities.

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

Working Dinner:

All meeting participants can attend. The Academies will only pay for members of the committee and guest speakers. Unfortunately, the Academies cannot pay for civil servants. The cost of the dinner is \$50.00. Checks, payable to the National Academy of Sciences, are preferred.

Beckman Center: Is located on the campus of the University of California, Irvine, and is approximately 3 miles from Orange County/John Wayne Airport. See the following website for more information, including directions: <http://www7.nationalacademies.org/beckman/>.

Hotel: The Hotel Irvine, located at 17900 Jamboree Road, Irvine, California 92614. The hotel is a 10 minute ride from both the nearest airport (John Wayne, Orange County) and the Beckman Center. The hotel offers free self-parking and a valet option for a fee.

Save the Date! Meetings in 2019: The committee will hold its next meeting on March 26-28, 2018 at the National Academy of Sciences, 2101 Constitution Ave. NW, Washington, D.C. 20418. The date of the autumn meeting in 2019 is TBD.