

Decadal Survey on Solar and Space Physics

Meeting of the Panel on Space Weather Science
and Applications Meeting #1 / March 15-16, 2023
500 Fifth Street, Room 106 NW, Washington, D.C.



Livestream on 3.15.23: <https://vimeo.com/event/3135979>

Livestream on 3.16.23: <https://vimeo.com/event/3136003>

PUBLIC AGENDA

Note: ALL TIMES ARE EASTERN

Wednesday, March 15, 2023		
CLOSED SESSION (Panel and Staff Only)		
8:30-9:15a	(Panel and Staff Only)	
9:45-10:00a	Short Break / Closed Session Adjourns and Reconvenes in Open	
OPEN SESSION		
10:00-10:45a	Discussions with NOAA	Elsayed Talaat , Director of the Office of Projects, Planning, and Analysis (OPPA), NOAA NESDIS
10:45-11:30a	APL SpaceWx Gap Study	Drew Turner, Panel Member
11:30a-12:00p	Discussions with Nicole Duncan	Ball Aerospace and Chair, NASA Space Weather Council
12:00-1:00p	Working Lunch in Meeting Room	
1:00-1:45p	Discussions with NSF	Mangala Sharma, Program Director for Space Weather, NSF
1:45-2:15p	Discussions with AFOSR	Julie Moses, Program Officer for Space Sciences, AFOSR
2:15-3:00p	Discussions with NASA	Jim Spann, Space Weather Lead, NASA Heliophysics Division
3:00-3:45p	Discussion with Organizing Committee Co-Chair(s) of the National Academies Space Weather Operations and Research Infrastructure Workshops	Mary Hudson, Dartmouth College and Janet Luhmann, UC Berkeley, Phase I Christina Cohen, Caltech, Phase II
3:45-4:15p	Break	
4:15-5:30p	Roundtable Discussions: Coordination and Leveraging Federal SWx Activities Agency Sponsors, and Representatives from SWAG (Tamara Dickinson, chair), SWC (Nicole Duncan, chair), SWORM (Jinni Meehan, Exec. Secretary), and the Nat'l Academies SWx Roundtable (Geoff Crowley and Sarah Gibson, co-chairs)	All
5:30-6:00p	Meeting Adjourns to an Alternate Location	

6:00-8:00p	Working Dinner at a Restaurant TBD	
8:00p	Meeting Adjourns for the Day	
Thursday, March 16, 2023		
CLOSED SESSION (Panel and Staff Only)		
8:30-9:15a	(Panel and Staff Only)	
9:45-10:00a	Short Break / Closed Session Adjourns and Reconvenes in Open	
OPEN SESSION		
10:00a-12:00p	Session on Issues in Leveraging the Commercial Sector (30 mins. presentation each)	Janet Green, Space Hazards Applications (virtual) Conrad C. Lautenbacher (Vice Admiral, USN ret.), GeoOptics (virtual) Joe Carroll, Business Development Manager - Civil Space and Weather, Spire Global, (virtual) Geoff Crowley, CEO, Orion Space Solutions (virtual)
12:00-1:00p	Working Lunch in Meeting Room and Open Session Adjourns	
CLOSED SESSION (Panel and Staff Only)		
1:00-3:15p	(Panel and Staff Only)	All
5:30p	Meeting Adjourns	

GENERAL NOTES**RECORDING OF THE MEETING**

NOTICE: The Zoom service allows audio and any materials exchanged or viewed during the session to be recorded and shared. Please be aware that by participating in this activity, you consent to your voice, likeness, and any materials you provide, being recorded for use and dissemination, without payment of any compensation for such use, in any language, format, or media now known or later devised, and you release the National Academies of Sciences, Engineering, and Medicine from any and all claims, liability, or damages arising from any such use. The Academies will proceed in reliance upon such consent and release. If you do not consent to the foregoing, please do not join the session.

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 conduct its study. 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 at this time and no recommendations will be made. In fact, the committee will deliberate thoroughly before writing its draft report. Moreover, once the draft report is written, it must go through a rigorous review by experts who are anonymous to the committee, and the committee then must respond to this review with appropriate revisions that adequately satisfy the Academy's Report Review committee and the chair of the NRC before it is considered an NRC report. Therefore, observers who draw conclusions about the committee's work based on today'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 regarding findings or recommendations in the final report are therefore also premature.

Meeting Logistics Notes

Keck Center: Is located at 500 Fifth St. NW, (we're in Conference Room 101 on the 1st floor) in Washington's Penn Quarter district, adjacent to Judiciary Square and the Verizon Center. The closest Metro stations are Gallery Place/Chinatown (Red, Green and Yellow lines; take "7th and F St." exit and turn left) and Judiciary Square (Red line; take National Building Museum exit and turn left). Directions available at the following website: <http://www.nationalacademies.org/about/contact/nax.html>.

- **Keck Security/ID Required:** Meeting attendees entering the building will need to show a photo ID to the Security Guard, who checks the ID against the attendee list.
- **Keck Parking:** There is plenty of free parking in the Keck Center's underground lot. Access to the lot is off of Sixth Street (between E and F Streets).
- **COVID-19 and NASEM Requirements:** NASEM's top priority is the safety of our travelers and staff. Click [HERE](#) to review our operating status and protocols.
- **Wi-Fi Connection:** To connect to the Wi-Fi choose "Visitor Network" then open up a browser and click "Accept terms and conditions." You will then be connected to the internet.
- **Meals:** Breakfast and lunch will be available at the meeting. In order to remain in compliance with government guidelines that preclude civil servants from accepting meals, we have provided a break-down for civil servants needing to reimburse those costs. The reimbursement cost of breakfast is \$16, \$27 for lunch, and \$56 for dinner. Checks, payable to the National Academy of Sciences, are preferred. Or, Monumental Open Door Market is stocked with sandwiches, salads and a variety of snacks, the market offer fresh selections and are enabled with self-check-out for your convenience. The NAS market is in the serving area on the lower level of the building.