

# SPACE SCIENCE WEEK

The National  
Academies of

SCIENCES  
ENGINEERING  
MEDICINE



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**SPRING 2019**

**VIRTUALMEETING  
of the  
COMMITTEE ON ASTROBIOLOGY AND PLANETARY SCIENCE**

**March 31-April 2, 2020**

**Draft Agenda**

**Tuesday March 31, 2020**

## **OPEN SESSION 1**

- |            |   |  |
|------------|---|--|
| 10:00 a.m. | Welcome and Agenda Review                             | William McKinnon, Christopher House                  |
| 10:15 a.m. | Lunar Surface Geophysics                              | Renee Weber<br>NASA Marshall Space Flight Center     |
| 11:00 a.m. | Science Opportunities at Titan: The Dragonfly mission | Elizabeth Turtle (TBC)<br>Applied Physics Laboratory |
| 11:45 a.m. | General discussion                                    |  |
| 12:00 p.m. | End of Open Session 1                                 |  |

## **OPEN SESSION 2**

- |           |                       |   |
|-----------|-----------------------|---|
| 1:00 p.m. | JUICE Update          | Olivier Witasse<br>European Space Agency      |
| 1:45 p.m. | Ocean Worlds          | Amanda Hendrix<br>Planetary Science Institute |
| 2:45 p.m. | General discussion    |   |
| 3:00 p.m. | End of Open Session 2 |   |

### **OPEN SESSION 3**

4:00 p.m.	Planetary Science Division Update	Lori Glaze NASA Headquarters
5:00 p.m.	Commercial Lunar Payload Services Program Update	Steve Clarke(TBC) NASA Headquarters
5:30 p.m.	General discussion	
6:00 p.m.	End of Open Session 3	

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**Wednesday, April 1, 2020**

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### **OPEN SESSION 4**

10: 00 a.m.	Ocean Worlds Program Update	Curt Niebur NASA Headquarters
10:30 a.m.	Trojan Science and Lucy mission	Hal Levison(TBC) Southwest Research Institute
11:15 a.m.	Io Science	James Tuttle Keane California Institute of Technology
12:00 p.m.	End of Open Session 4	

### **CLOSED SESSION 1**

1:00 p.m.	Committee Discussion
3:00 p.m.	End of Closed Session 1

### **CLOSED SESSION 2**

4:00 p.m.	Committee Discussion and/or Writing
6:00 p.m.	End of Closed Session 2

**Thursday, April 2, 2020**

**CLOSED SESSION 3**

10:00 a.m. Committee discussion and/or writing

12:00 p.m. End of Closed Session 3

**CLOSED SESSION 4**

1:00 p.m. Committee Discussion

3:00 p.m. End of Closed Session 4 and meeting adjourns

**GENERAL NOTES**

**The following information is provided for any members of the general public listening to presentations and discussion:**

This meeting is being held to gather information to help the committee in its charge (see later). 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 are being webcast. Presentation materials given to the committee may be posted on a publicly accessible website. Please edit your presentations accordingly.

Mac users should assume that their presentation will be displayed via one of the National Academies' PCs. If your presentation is graphics heavy and best displayed via your own laptop, you should also bring a plain-vanilla pdf version of your presentation with you. The audience in the meeting room will see your presentation via your laptop and we will webcast the pdf file.

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.

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1. Click on the URL (below). A popup will appear that says “Open URL:Zoom Launcher;” Click the “Open” button and let Zoom load (may take a minute).
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2. Click on the URL (below), or open the Zoom app and enter the Meeting ID: (below), and press join. Enter your name if requested.
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[https://nasem.zoom.us/zoomconference?m=dm0fun9LyXrhECcUWQt2Wwdh\\_9TURhXG](https://nasem.zoom.us/zoomconference?m=dm0fun9LyXrhECcUWQt2Wwdh_9TURhXG)

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Topic	Time	Meeting ID	Join URL
<b>TUESDAY, March 31</b>			
Open Session 1	7:00AM PT/ 10:00AM ET	500-765-572	<a href="https://nasem.zoom.us/j/500765572">https://nasem.zoom.us/j/500765572</a>
Open Session 2	10:00AM PT/ 1:00PM ET	500-765-572	<a href="https://nasem.zoom.us/j/500765572">https://nasem.zoom.us/j/500765572</a>
Open Session 3	1:00PM PT/ 4:00PM ET	500-765-572	<a href="https://nasem.zoom.us/j/500765572">https://nasem.zoom.us/j/500765572</a>
<b>WENESDAY, April 1</b>			
Open Session 4	7:00AM PT/ 10:00AM ET	500-765-572	<a href="https://nasem.zoom.us/j/500765572">https://nasem.zoom.us/j/500765572</a>

## **Statement of Task for Short Report on Options for the New Frontiers Announcement of Opportunity**

In keeping with its charge to monitor the “implementation of the decadal survey’s recommended scientific and technical activities,” and, specifically, to draft short reports addressing topics relating to the “scientific impact of a change in the ... programmatic sequencing of one or more of the survey-recommended activities....and the scientific impact of a course of action at a decision point described in the survey report,” the Committee on Astrobiology and Planetary Sciences will draft a short report that will answer the two questions below for the following four New Frontiers targets: Ocean Worlds, Trojan Tour and Rendezvous, Io Observer and Lunar Geophysics Network:

1. Has scientific understanding or external factors such as programmatic developments or technological advances, significantly changed since the release of the planetary science decadal survey or its midterm review?
2. Has scientific understanding or external factors, such as programmatic developments or technological advances, been sufficiently substantial to warrant reconsideration of the four targets for inclusion in the New Frontiers 5 announcement of opportunity, scheduled for release in early 2022?