

**Committee on Astrobiology and Planetary Sciences
24-26 October 2023
Arnold and Mabel Beckman Center**

100 Academy Way, Irvine, California 92617

FINAL AGENDA¹

TUESDAY, 24 OCTOBER 2023

HUNTINGTON ROOM

OPEN SESSION

All times Pacific Daylight Time (UTC-7:00)

- 7:30 a.m. *Assemble in hotel lobby to carpool to the Beckman Center*
- 7:45 a.m. *Breakfast available for members and guest speakers in meeting room*
- 8:15 a.m. *Vimeo link goes live²*
- 8:30 a.m. Welcome, Introductions and Agenda Review Martha Gilmore and Karyn Rogers³
- 8:35 a.m. Update from NASA Planetary Science Division Lori Glaze⁴
NASA Headquarters
- 9:45 a.m. Update from NASA Astrobiology Program David Grinspoon⁵
NASA Headquarters
- 10:30 a.m. *Break*
- 3:15 p.m. Mars Sample Return: Science Goals Meenakshi Wadhwa⁶ and Kenneth Farley⁷(*via Zoom*)
Jet Propulsion Laboratory/Arizona State University
and California Institute of Technology
- 11:45 a.m. General Discussion Members and Guests
- 12:00 p.m. *Lunch available for members and guests in the meeting room*

¹ This agenda is subject to change, and was last updated on 10/20/2023 10:41 AM

² Vimeo access details can be found in the Notes section at the end of this agenda

³ CAPS co-chairs

⁴ Director NASA/SMD/Planetary Science Division

⁵ Senior Scientist for Astrobiology Strategy NASA/SMD/PSD

⁶ Principal Scientist for the Mars Sample Return Program

⁷ Mars 2020 Project Scientist

1:00 p.m.	The Near-Earth Object Surveyor Mission	Amy Mainzer ⁸ University of Arizona
1:45 p.m.	Planetary Defense Spacecraft Missions: Past, Present, and Future	Nancy Chabot ⁹ Applied Physics Laboratory
2:30 p.m.	Q&A for Planetary Defense Presentations	Members and Guests
3:00 p.m.	Break	
3:15 p.m.	Mars Sample Return: Science Goals	Meenakshi Wadhwa ¹⁰ (<i>via Zoom</i>) Jet Propulsion Laboratory/Arizona State University
4:15 p.m.	Mars Sample Return: Report of the Independent Review Board	Orlando Figueroa ¹¹
5:15 p.m.	Life Lessons from a Dynamic Early Earth: Environments, Origins, and the Search Beyond	Timothy Lyons University of California, Riverside
6:15 p.m.	<i>Committee adjourns for working dinner</i>	

CLOSED SESSION

7:00 p.m. *Working Dinner*

⁸ NEO Surveyor Survey Director

⁹ Double Asteroid Redirection Test Coordination Lead

¹⁰ Principal Scientist for the Mars Sample Return Program

¹¹ Chair MSR Independent Review Board

WEDNESDAY, 25 OCTOBER 2023

HUNTINGTON ROOM

OPEN SESSION

All times Pacific Daylight Time (UTC-7:00)

- 7:30 a.m. *Assemble in hotel lobby to carpool to the Beckman Center*
- 7:45 a.m. *Breakfast available for members and guest speakers in meeting room*
- 8:15 a.m. *Vimeo goes live*¹²
- 8:30 a.m. Mars Sample Return: Update and Response to IRB Report Sandra Connelly (via Zoom),¹³
Jeff Gramling,¹⁴ and Michael Meyer¹⁵
NASA Headquarters
- 9:30 a.m. Mars Sample Return: MEPAG Reaction to IRB Report Victoria Hamilton¹⁶
Southwest Research Institute
- 10:00 a.m. *Break*
- 10:15 a.m. General Discussion of Mars Sample Return Presentations Members and Guests
- 11:00 a.m. Europa Clipper Status Report Bonnie Buratti¹⁷
and Tim Larson (via Zoom)¹⁸
Jet Propulsion Laboratory
- 12:00 p.m. *Lunch available for members and guest speakers in meeting room*
- 1:00 p.m. Endurance-A Long Range Sample Collecting James T. Keane¹⁹
Lunar Rover Mission Concept Jet Propulsion Laboratory
- 1:45 p.m. Progress on the Volatiles Investigating Anthony Colaprete²⁰ (via Zoom)
Polar Exploration Rover NASA Ames Research Center

¹² For Vimeo access details see the Notes section at the end of this agenda.

¹³ Deputy Associate Administrator, NASA/SMD

¹⁴ MSR Program Director, NASA/SMD

¹⁵ Mars Lead Scientist, NASA/SMD/PSD

¹⁶ MEPAG Chair

¹⁷ Europa Clipper Deputy Project Scientist

¹⁸ Europa Clipper Deputy Project Manager

¹⁹ Endurance-A Decadal Survey Science Champion

²⁰ VIPER Project Scientist

2:30 p.m.	Q&A For Lunar Rover Presentations	Members and Guests
3:00 p.m.	Break	
3:15 p.m.	NASA's Science Activation Program	Kristen Erickson/Lin Chambers ²¹ NASA Headquarters
4:15 p.m.	Ancient Life as a Guide for Exploring Alien Earths	Betül Kaçar ²² University of Wisconsin-Madison
5:15 p.m.	General Discussion of Presentations ²³	Members and Guests
6:00 p.m.	<i>Adjourn for the day</i>	

THURSDAY, 26 OCTOBER 2023

HUNTINGTON ROOM

CLOSED SESSION

All times Pacific Daylight Time (UTC-7:00)

7:30 a.m.	<i>Assemble in hotel lobby to carpool to the Beckman Center</i>	
7:45 a.m.	<i>Breakfast available for members in meeting room</i>	
8:30 a.m.	General Discussion of Presentations and Other Issues	Members
10:30 a.m.	<i>Break</i>	
10:45 a.m.	General Discussion (continued)	Members
11:15 a.m.	Agenda Items for the Next Meeting	Members
11:45 a.m.	Final Words	Karen Rogers and Martha Gilmore
12:00 p.m.	<i>Adjourn meeting</i>	

²¹ Director/Deputy Director for Science Engagement and Partnerships, NASA/SMD

²² LIFE RCN Co-Chair

²³ The co-chairs may call for a closed session at this time

NOTES

For the Public: 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.

For Presenters: Your presentation should not include unpublished data, ITAR controlled and/or other sensitive information. 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.

Working Dinner: Due to a very recent change in SSB policy, committee dinners will henceforth be regarded as closed sessions and are therefore no longer open to guest speakers and others.

Remote Access: This meeting will be livestreamed via Vimeo.

Date	Livestream Link
October 24	https://vimeo.com/event/3785292
October 25	https://vimeo.com/event/3785294