



**MONDAY, MARCH 31, 2025**

**OPEN SESSION**

Livestream Link: <https://vimeo.com/event/5017989>

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**Updates from NASA**

<b>10:00 AM</b>	<b>Welcome</b>	<b>Dr. Martha Gilmore, CAPS Co-Chair / Dr. Karyn Rogers, CAPS Co-Chair</b>
<b>10:05 AM</b>	<b>NASA Planetary Science Division (PSD) Program Update</b> (30-minute presentation and 30-minute discussion)	<b>Dr. Charles Webb, Acting Director, NASA-PSD</b>
<b>11:05 AM</b>	<b>NASA Astrobiology Program Update</b> (30-minute presentation and 30-minute discussion)	<b>Dr. David Grinspoon, Senior Scientist for Astrobiology Strategy, NASA-PSD / Dr. Rebecca McCauley Rench, Deputy Program Scientist for the Astrobiology Program, NASA-PSD</b>
<i>12:05 PM</i>	<i>Working Lunch for Members, Speakers, and Invited Guests</i>	
<b>1:00 PM</b>	<b>Update from the Mars Exploration Program and the New Mars Program Strategy</b> (30-minute presentation and 30-minute discussion)	<b>Dr. Lindsay Hays Senior Scientist for Mars Exploration, NASA</b>
<b>2:00 PM</b>	<b>Status of Mars Sample Return Architecture Review</b> (25-minute presentation and 20-minute discussion)	<b>Ms. Donya Douglas-Bradshaw, Mars Sample Return Program Director, NASA</b>
<i>2:45 PM</i>	<i>Break</i>	

**COMMITTEE ON ASTROBIOLOGY AND PLANETARY SCIENCES**  
**MARCH 31 – April 4, 2025**

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| <b>3:00 PM</b> | <b>Status Update from NASA Planetary Defense Office</b><br>(25-minute presentation and 20-minute discussion) | <b>Dr. Kelly Fast, Acting<br/>Planetary Defense Officer, NASA</b>    |
| <b>3:45 PM</b> | <b>Venus Laboratory Experiments</b><br>(25-minute presentation and 20-minute discussion)                     | <b>Dr. Alison Santos, Senior<br/>Research Scientist, Wesleyan U.</b> |
| <i>4:30 PM</i> | <i>Break into Closed Session</i>   |  |

**COMMITTEE ON ASTROBIOLOGY AND PLANETARY SCIENCES**  
**MARCH 31 – April 4, 2025**

**TUESDAY, APRIL 1, 2025**

**PLENARY SESSION**

Livestream Link: TBD

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|-----------------|---|--|
| <b>8:45 AM</b>  | <b>Welcome</b>  | <b>Dr. Colleen Hartman</b> , Director, Space Studies Board                     |
| <b>8:50 AM</b>  | <b>Update from Lockheed Martin Space</b><br><i>(20-minute presentation and 10-minute discussion)</i>  | <b>Dr. Tahllee Baynard</b><br>Vice President,<br>Ignite, Lockheed Martin Space |
| <b>9:20 AM</b>  | <b>Address from Acting NASA Administrator</b><br><i>(25-minute presentation)</i>  | <b>Ms. Janet Petro</b><br>Acting Administrator, NASA                           |
| <b>9:45 AM</b>  | <b>Update from NASA Science Mission Directorate (SMD)</b><br><i>(40-minute presentation and 20-minute discussion)</i>                               | <b>Dr. Mark Clampin</b><br>Acting Deputy Assoc. Administrator<br>NASA-SMD      |
| <b>10:45 AM</b> | <i>Break (30 minutes)</i>   |  |
| <b>11:15 AM</b> | <b>Update from NASA Exploration Systems<br/>Development Mission Directorate (ESDMD)</b><br><i>(40-minute presentation and 20-minute discussion)</i> | <b>Dr. Lori Glaze</b><br>Acting Assoc. Administrator, NASA-ESDMD               |
| <b>12:15 PM</b> | <i>Working Lunch for Members, Speakers, and Invited Guests in the Great Hall</i>  |  |
| <b>1:30 PM</b>  | <b>Update from NASA Space Communications<br/>and Navigation Program (SCaN)</b><br><i>(30-minute presentation and 15-minute discussion)</i>          | <b>Mr. Kevin Coggins</b><br>Deputy Assoc. Administrator, NASA-SCaN             |
| <b>2:15 PM</b>  | <b>AI in Space Applications</b><br><i>(30-minute presentation and 15-minute discussion)</i>   | <b>Dr. Shirley Dyke</b><br>Professor, Purdue University                        |



**COMMITTEE ON ASTROBIOLOGY AND PLANETARY SCIENCES**  
**MARCH 31 – April 4, 2025**

**WEDNESDAY, APRIL 2, 2025**

**OPEN SESSION**

Livestream Link: <https://vimeo.com/event/5018005>

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**Special Session on Lunar Science Decadal Priorities, Day 1**

- 9:45 AM**      **Welcome and Purpose of the Special Session**      **Dr. Martha Gilmore, CAPS Co-Chair /  
Dr. Karyn Rogers, CAPS Co-Chair**
- 9:50 AM**      **Special Session Opening Talk on the State of  
Lunar Science**      **Dr. Brett Denevi, Planetary  
Scientist, Johns-Hopkins U.  
Applied Physics Lab.**  
(30-minute presentation and 15-minute discussion)
- 10:35 AM**      **Apollo Sample Curation**      **Dr. Juliane Gross,  
Astromaterials Curator, NASA-JSC**  
(25-minute presentation and 20-minute discussion)
- 11:20 AM**      **Perspective of Solar System Exploration Research  
Virtual Institute (SSERVI)**      **Dr. Greg Schmidt,  
Director, SSERVI**  
(25-minute presentation and 20-minute discussion)
- 12:05 PM**      *Working Lunch for Members, Speakers, and Invited Guests*

**OPEN SESSION**

Livestream Link: <https://vimeo.com/event/5018005>

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**Joint Session of the Committee on Biological and Physical Sciences in Space (CBPSS) and  
the Committee on Astrobiology and Planetary Sciences (CAPS)  
on Decadal-Level Science Priorities on the Moon**

Key Focus of the Session:

*How will the Artemis Program, Gateway, and the Commercial Lunar Payload Services achieve science priorities laid out in the Biological and Physical Sciences in Space 2023 Decadal Survey and the Planetary Sciences and Astrobiology 2023 Decadal Survey?*

- 1:00 PM**      **Exploration Systems Development Mission Directorate  
(ESDMD) General Overview of the Artemis Program**      **Ms. Nujuod Merancy,  
Deputy Assoc. Administrator,  
Strategy and Architecture Office,  
NASA-ESDMD**  
(25-minute presentation and 20-minute discussion)

**COMMITTEE ON ASTROBIOLOGY AND PLANETARY SCIENCES**  
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- 1:45 PM**      **Perspective of the Artemis III and Artemis IV Science Team Leaders**  
(25-minute presentation and 20-minute discussion)      **Dr. Barbara Cohen, Artemis IV Science Lead, NASA-GSFC**  
**Dr. Noah Petro, Artemis III Science Lead, NASA-GSFC**
- 2:30 PM**      *Break*
- 2:50 PM**      **Joint Committee Discussion with Exploration Science Strategy Integration Office (ESSIO)**  
(20-minute presentation and 25-minute discussion)      **Dr. Brad Bailey, Asst. Deputy Assoc. Administrator for Exploration, NASA**
- 3:50 PM**      *Break into Closed Session*

**PUBLIC LECTURE SESSION**

Livestream Link: TBD

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**The Warped Side of Our Universe:  
Exploring the Intersection of Art and Science**

*A CONVERSATION WITH*

**Prof. Kip Thorne**

Richard P. Feynman Professor of Theoretical Physics, Emeritus, California Institute of Technology

*AND*

**Ms. Lia Halloran**

Chair and Associate Professor, Department of Art Chapman University

*MODERATED BY*

**Mr. Taras W. Matla**

Director, University of Maryland Art Gallery



- 6:30 PM**      **Introduction**      **Dr. Greg Symmes**  
Chief Operating Officer, National Academy of Sciences
- 6:35 PM**      **The Warped Side of Our Universe:  
Exploring the Intersection of Art and Science**      **Prof. Kip Thorne and Ms. Lia Halloran**
- 7:45 PM**      **Q&A with Kip and Lia**      **Moderator: Mr. Taras Matla**

**COMMITTEE ON ASTROBIOLOGY AND PLANETARY SCIENCES**  
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**Lecture Abstract**

The evening will feature a conversation between Kip and Lia focusing on their project “The Warped Side of Our Universe: An Odyssey Through Black Holes, Wormholes, Time Travel, and Gravitational Waves”. This engaging dialogue will blend Kip's scientific insights with Lia's artistic interpretations, using poetry and paintings to make complex astrophysical concepts more accessible. Their work delves into profound questions about the universe's origins and the nature of time and space.

**COMMITTEE ON ASTROBIOLOGY AND PLANETARY SCIENCES**  
**MARCH 31 – April 4, 2025**

**THURSDAY, APRIL 3, 2025**

**OPEN SESSION**

Livestream Link: <https://vimeo.com/event/5018011>

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**Special Session on Lunar Science Decadal Priorities, Day 2**

<b>9:45 AM</b>	<b>Opening Remarks After Day 1 on Lunar Science</b>	<b>Dr. Martha Gilmore, CAPS Co-Chair / Dr. Karyn Rogers, CAPS Co-Chair</b>
<b>9:50 AM</b>	<b>Endurance-A Concept</b> (25-minute presentation and 20-minute discussion)	<b>Dr. James T. Keane, Planetary Scientist, Jet Propulsion Laboratory</b>
<i>10:35 PM</i>	<i>Committee Breaks to Closed Session</i>	

**IMPORTANT NOTES**

**Members of the General Public:**

- Remote access will be provided through a live stream on Vimeo. This will also be publicly available and posted on the Board website. You do not need to register.

**Thank you all for your cooperation, and we look forward to a successful meeting.**