

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

DIVISION ON ENGINEERING AND PHYSICAL SCIENCES
SPACE STUDIES BOARD

**Committee to Review the Report of the
Planetary Protection Independent Review Board**

Meeting 1: November 20-22, 2019

AGENDA

Wednesday, November 20, 2019

Keck Center, Room 202
500 Fifth Street NW

National Academies
Washington, DC 20001

OPEN SESSION

Zoom: <https://nasem.zoom.us/j/661998129>

Meeting ID: 661 998 129

7:30 a.m. *Meeting room opens, working breakfast available in the room*

8:00 a.m. SMD Overview of PPIRB Report Thomas Zurbuchen, Lori Glaze
NASA Headquarters

CLOSED SESSION

9:00 a.m. Committee Discussion Committee

12:00 p.m. *Lunch available in the meeting room*

OPEN SESSION

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1:00 p.m. Human Exploration and Planetary Protection Andy Spry
SETI Institute

2:00 p.m. Legal Aspects of Planetary Protection Christopher Johnson, Secure World Foundation,
Benjamin Roberts, Moon Express

3:00 p.m. *Break*

CLOSED SESSION

3:15 a.m. Committee Discussion Committee
5:30 p.m. *Adjourn for Dinner*

OPEN SESSION

6:30 p.m. Dinner Karma Modern Indian
611 I Street, NW
Washington, D.C., 20001
8:30 p.m. *Adjourn for the day*

Thursday, November 21, 219

Keck Center, Room 106

National Academies

CLOSED SESSION

7:30 a.m. *Meeting room opens, working breakfast available in the room*
8:30 a.m. Committee Discussion Committee
10:30 a.m. Break

OPEN SESSION

Zoom: <https://nasem.zoom.us/j/661998129>

Meeting ID: 661 998 129

10:45 a.m. Mars Exploration Perspective on Planetary Protection Michael Meyer
NASA Headquarters
11:45 a.m. Working Lunch, Discussion Continues
(*Lunch will be served in the room, pick up and eat during Stern's presentation*)
12:00 a.m. Report of the Planetary Protection Independent Review Board Alan Stern (via Zoom)
Southwest Research Institute
1:00 p.m. *Lunch Break (continued)*
1:30 p.m. Interagency Perspectives on Planetary Protection Phil Brinkman, Federal Aviation Administration
Ryan Whitley, National Space Council

2:30 p.m. Break

CLOSED SESSION

2:45 p.m. Committee Discussion Committee

5:30 p.m. *Adjourn for the day (dinner on your own)*

Friday, November 22, 2019

Keck Center, Room 400

National Academies

OPEN SESSION

Zoom: <https://nasem.zoom.us/j/661998129>

Meeting ID: 661 998 129

7:30 a.m. *Meeting room opens, working breakfast available in the room*

8:30 a.m. Committee Discussion Committee

9:00 a.m. Introduction to Planetary Protection
Lisa Pratt
NASA Headquarters

10:00 a.m. *Break*

10:15 a.m. PPIRB Report and Current Developments
in Planetary Protection
Lisa Pratt
NASA Headquarters

CLOSED SESSION

11:00 a.m. Committee Discussion Committee

12:00 p.m. *Adjourn (Working Lunch available in the refectory)*

STATEMENT OF TASK

The National Academies of Sciences, Engineering, and Medicine will establish an ad hoc committee to review the findings of the Planetary Protection Independent Review Board and comment on their consistency with the recommendations of the recent National Academies' report, *Review and Assessment of Planetary Protection Policy Development Processes* (The National Academies Press, 2018). The report will not make recommendations.

NOTES

Note to Observers: 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.

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 may be webcast and presentation materials given to the committee may be posted on a publicly accessible website. Please edit your presentations accordingly.

Keck Center: Is located at 500 Fifth St. NW, 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).

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 in the meeting room. 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 and lunch are \$18 and \$19, respectively. Checks, payable to the National Academy of Sciences, are preferred. There is also a refectory available for purchasing your meals in the building on the 3rd floor.

Working Dinner: There will be a working dinner at Karma Modern Indian, 611 I Street, N.W., Washington, D.C., 20001 (0.4 miles from the Keck Center and 0.3 miles from the committee's hotel). The telephone number for the restaurant is 202-898-0393. More information can be found at: <http://www.karmamodernindian.com/>. All meeting participants can attend if space is available. The Space Studies Board will only pay for members of the committee and guest speakers. Unfortunately, we cannot pay for federal employees and members of the public—for those attendees, the cost of the dinner is \$50.00. Checks, payable to the National Academy of Sciences, are preferred.