

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

DIVISION ON ENGINEERING AND PHYSICAL SCIENCES
SPACE STUDIES BOARD

**Committee to Review the Planetary Protection
Policy Development Processes**

Meeting 3: June 27-29, 2017

AGENDA

Tuesday, June 27, 2017

Beckman Center, Newport Room
100 Academy Way

National Academies
Irvine, CA 92617

OPEN SESSION

WebEx: <https://nationalacademies.webex.com/nationalacademies/j.php?MTID=m1fad2baae47303d22bf9fbaff9a1cb>
Meeting Password: p3d-open | Telecon-only dial-in number: 1-866-668-0721 | Conference Code: 573 073 4231

- | | | |
|------------|---|---|
| 10:00 a.m. | The role and operations of the COSPAR's
Panel on Planetary Protection | Len Fisk & Gerhard Kminek
University of Michigan, ESA |
| 11:00 a.m. | Overview of the ESA Planetary Protection Office, | Gerhard Kminek
Planetary Protection Officer
European Space Agency |
| 12:00 p.m. | Working Lunch, Discussion Continues
(<i>Lunch will be served in the refectory</i>) | |
| 1:00 p.m. | Planetary Society Perspective | Bill Nye
The Planetary Society |
| 2:00 p.m. | <i>Break, Committee goes into</i> CLOSED SESSION | |
| 5:30 p.m. | <i>Adjourn for Working Dinner</i> | |

OPEN SESSION

- | | | |
|-----------|---|---|
| 6:00 p.m. | Working dinner to discuss presentations | Café Beau Soleil
953 Newport Center Drive
Newport Beach, CA 92660 |
| 8:00 p.m. | <i>Adjourn for the day</i> | |

Wednesday, June 28, 2017

Beckman Center, Newport Room
100 Academy Way

National Academies
Irvine, CA 92617

OPEN SESSION

WebEx: <https://nationalacademies.webex.com/nationalacademies/j.php?MTID=mbd2743e5bdd04a4754668383756a6098>

Meeting Password: p3d-open | Telecon-only dial-in number: 1-866-668-0721 | Conference Code: 573 073 4231

- 7:30 a.m. *Meeting room opens, working breakfast available in the refectory*
- 8:30 a.m. Interdisciplinary perspectives on complex risk analysis relevant to emerging technologies Andrew Maynard
Director, Risk Innovation Lab
Arizona State University
- 9:15 a.m. Planetary Protection and the Apollo Program Betsy Pugel (via WebEx)
NASA GSFC
- 10:00 a.m. *Break*
- 10:15 a.m. Overview of Commercial Initiatives Scott Hubbard
Stanford University
- 11:00 a.m. Cost of Planetary Protection Dave Bearden & Eric Mahr
The Aerospace Corporation
- 11:30 a.m. Response to Committee's Interim Report Michael Meyer
Lead Scientist, Mars Exploration Program
NASA HQ
- 12:00 p.m. Working Lunch, Discussion Continues
(*Lunch will be served in the refectory*)
- 1:00 p.m. Implementation of planetary protection policies for Mars 2020 Ken Farley
California Institute of Technology
- 2:00 p.m. Europa Clipper Mission Barry Goldstein & Brian Cooke (via WebEx)
Jet Propulsion Laboratory
- 3:00 p.m. *Break, Committee goes into* **CLOSED SESSION**
- 5:15 p.m. *Adjourn for the day*

Thursday, June 29, 2017

CLOSED SESSION in its entirety

NOTES

Car-pool: We plan to car pool from The Island hotel to the Beckman Center. Please meet in the hotel lobby at 7:30 am.

Beckman Dress-Code: Business casual.

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.

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.

Hotel: Blocks of rooms for the use of committee members and guests has been reserved at the Island Hotel Newport Beach. The hotel is located at 690 Newport Center, Newport Beach, CA 92660. The telephone number is 949-759-0808. Additional information can be found at: <http://www.islandhotel.com/>

Working Dinner: There will be a working dinner at Café Beau Soleil, 953 Newport Center Drive, Newport Beach, CA 92660. Café Beau Soleil is located in the Fashion Island Center across the street from the Island Hotel. The telephone number for the restaurant is 949-640-4402. More information can be found at the following website: <http://www.cafebeausoleil.net/>. All meeting participants can attend. The National Academies will only pay for the members of the committee and guest speakers. Unfortunately, the National Academies cannot pay for civil servants. The cost of the dinner is approximately \$50.00. Checks, payable to the National Academy of Sciences, are preferred.

Wi-Fi Connection: To connect to the Wi-Fi chose "Visitor Network" then open up a browser and click "Accept terms and conditions." You will then be connected to the internet.

Committee Website: http://sites.nationalacademies.org/SSB/CurrentProjects/SSB_175768