

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

DIVISION ON ENGINEERING AND PHYSICAL SCIENCES
SPACE STUDIES BOARD

COMMITTEE ON EXOPLANET SCIENCE STRATEGY
Meeting #1: March 6–7, 2018

Tuesday, March 6, 2018

National Academy of Sciences
2101 Constitution Ave. NW

Room 125
Washington, DC 20418

EXECUTIVE SESSION

9:00 to 10:15 a.m.

Closed Discussion

Committee Only

OPEN SESSION

Remote Access Information

Dial: US: +1 669 900 6833 or +1 855 880 1246 (Toll Free)

Meeting ID: 542 319 933

Link: <https://nasem.zoom.us/j/542319933>

10:30 a.m. **Conversation with NASA** Paul Hertz and Mary Voytek, NASA

12:00 p.m. *Working Lunch (Available Outside the Meeting Room)*

1:00 p.m. **JWST** Kevin Stevenson and Laurent Pueyo, STScI

1:40 p.m. **OST STDT** Margaret Meixner, STScI and Jonathan Fortney, UCSC

2:30 p.m. **LYNX STDT** Rachel Osten, STScI

3:20 p.m. *Break*

3:35 p.m. **LUVOIR STDT** Courtney Dressing, UC Berkeley

4:25 p.m. **HabEx STDT** Leslie Rogers, University of Chicago

5:15 p.m. **Current Status and Future Opportunities
in Radial Velocities** Debra Fischer, Yale University

6:00 p.m. *Open Session Adjourns*

EXECUTIVE SESSION

6:15 p.m. *Committee Working Dinner*

Wednesday, March 7, 2018

National Academy of Sciences
2101 Constitution Ave. NW

Room 125
Washington, DC 20418

OPEN SESSION**Remote Access Information**

Dial: US: +1 669 900 6833 or +1 855 880 1246 (Toll Free)

Meeting ID: 219 252 177

Link: <https://nasem.zoom.us/j/219252177>

7:30 a.m. *Working Breakfast (Available Outside the Meeting Room)*

8:30 a.m. **Discussion** Committee

9:00 a.m. **Direct Imaging with Ground-Based Telescopes** Olivier Guyon,
University of Arizona

10:00 a.m. *Break*

10:15 a.m. **Atmospheric Biosignature Gases** Shawn Domagal-Goldman,
NASA

11:00 a.m. **Microlensing Surveys for Planets with WFIRST** Jennifer Yee,
Smithsonian

11:45 a.m. **NExSS** Anthony D. Del Genio,
NASA

12:30 p.m. *Working Lunch (Available Outside the Meeting Room)*

JOINT EXECUTIVE SESSION

1:30 p.m. **Closed Joint Session with Astrobiology Committee**

3:00 p.m. *Joint Session Adjourns and Break*

EXECUTIVE SESSION

3:30 to 5:00 p.m.
Closed Discussion

Committee Only

GENERAL NOTES

NAS Building: Is located at 2101 Constitution Ave., NW, between the State Department and the Vietnam Veterans Memorial. Additional information about the NAS Building is available at <http://www.nationalacademies.org/about/contact/nax.html>.

NAS 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.

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.

Metro: The closest Metro station (0.5 miles) is Foggy Bottom (Blue and Orange lines; exit and turn right, then turn left once you have passed the State Department)—see <https://www.wmata.com/rider-guide/stations/foggy-bottom.cfm>.

Parking: Very limited parking is available onsite at the NAS. The 22 available parking spaces are first come first served.

Meals: Lunch and breakfast will be available at the meeting. 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 is \$16 and is \$17 for lunch. Checks, payable to the National Academy of Sciences, are preferred. Should you prefer there is also a refectory available for purchasing your meals in the building.

Committee Website: http://sites.nationalacademies.org/SSB/CurrentProjects/SSB_180659

NOTES FOR 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 recorded and/or 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 NRC’s 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.

The following information is provided for any members of the general public who may be in attendance:

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.