

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

DIVISION ON ENGINEERING AND PHYSICAL SCIENCES
SPACE STUDIES BOARD

**Committee on Near Earth Object Observations
in the Infrared and Visible Wavelengths**

**Draft Agenda
Meeting #1: December 19-21, 2018**

Wednesday, December 19, 2018

Room 103
500 Fifth Street NW

Keck Center
Washington, DC 20001

OPEN SESSION

10:15 a.m. TBD

Jim Green
Chief Scientist, NASA

11:00 a.m. TBD

Lindley Johnson
NEO Program Office, NASA

12:00 p.m. *Working Lunch Available in the Room*

1:00 p.m. Observing NEOs in the Infrared

Ed Wright
UCLA

2:00 p.m. NEOCam

Amy Mainzer
JPL

3:00 p.m. *Break*

3:15 p.m. TESS and Observations of NEOs

Deborah Woods
MIT

4:15 p.m. NEO Survey Issues (via ZOOM)

Richard Binzel
MIT

5:30 p.m. Meeting Adjourns to an Alternate Location

6:30 p.m. *Working Dinner at TBD*

TBD

8:30 p.m. *Adjourn for the Day*

Thursday, December 20, 2018

Room 208—NOTE ROOM CHANGE

Keck Center

OPEN SESSION

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

8:29 a.m.	Meeting Convenes	
8:30 a.m.	TBD	Thomas Grav Planetary Science Institute
9:30 a.m.	NEO Perspectives	Michael Amato NASA
10:30 a.m.	<i>Break</i>	
10:45 a.m.	Hubble's lessons for observing planetary targets	Heidi Hammel AURA
11:45 a.m.	Discussion	Committee
12:00 p.m.	<i>Working Lunch Available in the Room</i>	
Committee will go into executive session after lunch		
1:00 p.m.	TBD	TBD
3:00 p.m.	<i>Break</i>	
3:15 p.m.	TBD	TBD
5:30 p.m.	<i>Meeting Adjourns for the Day</i>	

Statement of Task:

The National Academies of Sciences, Engineering and Medicine will establish an ad-hoc committee to investigate and make recommendations about a space-based telescope's capabilities regarding the following:

- Explore the relative advantages and disadvantages of IR and visible observations of near Earth objects (NEOs).
- Review and describe the techniques that could be used to obtain NEO sizes from an infrared spectrum and delineate the associated errors in determining the size.
- Evaluate the strengths and weaknesses of these techniques and recommend the most valid techniques that give reproducible results with quantifiable errors.

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 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. 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.

NOTES

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: 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 \$15 and is \$16 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.

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