

*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 #2: February 25-27, 2019**

**Monday, February 25, 2019**

Board Room	Beckman Center
100 Academy Way	Irvine, CA 92617

**OPEN SESSION**

11:00 a.m.	NEO Detection Telescopes	Harold Reitsema Ball Aerospace (retired)
12:00 p.m.	<i>Working Lunch Available in the Dining Room</i>	
1:00 p.m.	Orbits and LSST	Steve Chesley JPL
2:45 p.m.	<i>Break</i>	

**[COMMITTEE WILL PROBABLY GO INTO EXECUTIVE SESSION]**

**Tuesday, February 26, 2019**

Crystal Cove—NOTE ROOM CHANGE	Beckman Center
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7:30 a.m.	<i>Room Opens (Working Breakfast Available in the Dining Room)</i>
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**OPEN SESSION**

8:30 a.m.	Meeting Convenes and Introductions	Committee & Guests
8:45 a.m.	Thermal IR/Radar Observations and Modeling	Ellen Howell University of Arizona
9:45 a.m.	<i>Break</i>	
10:00 a.m.	Cubesats for NEO Detection	Michael Shao JPL
11:00 a.m.	Radar Observations of NEOs	Lance Benner JPL
12:00 p.m.	<i>Working Lunch Available in the Dining Room</i>	
1:00 p.m.	NEO Data Center at JPL (TBC)	Paul Chodas

## COMMITTEE WILL GO INTO EXECUTIVE SESSION FOLLOWING THE SPEAKERS

### 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.

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### 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.

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### NOTES

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**Beckman Center:** Is located at 100 Academy Way, Irvine, CA 92617. Directions are available at the following website: <http://www.thebeckmancenter.org/about/mapanddirections/index.htm>.

**Parking:** Parking is free and space is usually plentiful. Participants are requested to park in the designated areas only and not on the lawn, driveways or in delivery entrances. Please observe all ONE WAY and NO PARKING signs.

**Wi-Fi Connection:** To connect to the Wi-Fi chose “Visitor” 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.

Last updated: January 28, 2019 4:00 pm