

*The National Academies of*  
SCIENCES • ENGINEERING • MEDICINE

DIVISION ON ENGINEERING AND PHYSICAL SCIENCES  
SPACE STUDIES BOARD

**Committee on Achieving Science Goals with CubeSats**  
Space Studies Board

**October 30, 2015**

Room 106  
The Keck Center

500 5<sup>th</sup> St., NW  
Washington, D.C. 20001

**Remote Access**

WebEx: <http://tinyurl.com/nng437t>      WebEx Meeting Password: policy (case sensitive)

Dial In: 1-(866) 668-0721      Telecon Conference Code: 797 795 6056

8:30 a.m.      *Meeting room opens and coffee available*

9:00 a.m.      **Welcome**      Thomas Zurbuchen, Study Chair

9:05 a.m.      **Perspectives from OSTP**      Thomas Kalil, OSTP

9:20 a.m.      **CubeSat Orbital Debris Policy Solutions Panel with Space Situational Awareness**

Josef Koller, DOD  
J.-C. Liou, NASA  
Karl Kensinger, FCC  
Lt. Col. Scott Putnam, JSpOC  
Michael Romanowski, FAA  
Dan Oltrogge, AGI  
Brian Weeden, Secure World Foundation

11:05 a.m.      *Break with drinks and snacks available*

11:15 a.m.      **Discussion with Committee**

12:30 p.m.      *Break for lunch in cafeteria*

1:30 p.m.      **Roundtable on Spectrum**

Kathryn Medley, FCC  
Jonathan Williams, NTIA  
Brennan Price, ARRL (via WebEx)  
William Horne, NASA  
Therese Moretto Jorgensen, NSF

2:30 p.m.      *Break with drinks and snacks available*

2:45 p.m.      **Continued Discussion**

4:15 p.m.      **ITAR Current Issues**      Kevin Schmadel and Martin Ruzek, USRA

4:45 p.m.        Committee Discussion

5:00 p.m.        *Adjourn for the Day*

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## NOTES

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**Note to Observers:** This meeting is being held to gather information to help the committee conduct its activities. The committee will examine the information and material obtained during open sessions 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. Therefore, observers who draw conclusions about the committee's work based on discussions during this meeting 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 committee's activities.

**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 "7<sup>th</sup> 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>.

**Parking:** There is plenty of free parking for meeting participants in the Keck Center's underground lot. Access is at the F St. end of Sixth St.

**Limited Space:** Please note that the room will have limited space, however, joining via WebEx is open to all up to the limit of 150 active lines. Remote access instructions are posted at the beginning of the agenda.