

THE NATIONAL ACADEMIES

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Space Studies Board

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Satellites Panel Planetary Science Decadal Survey

**Space Studies Board
National Research Council**

Arnold and Mabel Beckman Center
100 Academy Drive
Irvine, CA 92617

Huntington (meeting) and Crystal Cove (overflow/breakout) Rooms

FINAL AGENDA¹
September 21-23, 2009

Monday, September 21, 2009

CLOSED SESSION

7:30 a.m. Room Opens
(*Breakfast available in the Beckman Refectory*)

8:30 a.m. Welcome and Agenda Review John Spencer

OPEN SESSION²

8:45 a.m. NRC Study on Radioisotope Power Systems Ralph McNutt
Applied Physics Laboratory

9:30 a.m. Planetary Protection for the Icy Satellites Cassie Conley
NASA Headquarters

10:15 a.m. *Break*

10:30 a.m. Enceladus Sample-return Missions Peter Tsou
Jet Propulsion Laboratory

11:30 a.m. Mission Architecture Options for Enceladus Exploration Nathan Strange
Jet Propulsion Laboratory

¹ Updated September 15, 2009

² See notes on final page for webcasting and audio-access information.

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 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 committee's activities.

12:15 p.m.	Committee Discussion (<i>Lunch will be served in the Beckman Refectory, committee discussion continues</i>)	
1:00 p.m.	Enceladus Flagship Study	John Spencer
1:45 p.m.	Reducing the Challenges Posed by Titan Missions	Kim Reh/John Elliott Jet Propulsion Laboratory
2:45 p.m.	<i>Break</i>	
3:00 p.m.	The DSN: Current and Future Capabilities	Barry Geldzahler NASA Headquarters
4:00 p.m.	Uranian Satellite Science	Elizabeth Turtle

CLOSED SESSION

4:45 p.m.	Satellite Science Priorities 1	committee
5:45 p.m.	<i>Activities suspended to reconvene at working dinner</i>	
6:30 p.m.	<i>Working dinner to discuss presentations:</i>	<i>Roy's Hawaiian Fusion Cuisine 453 Newport Center Drive, Newport Beach 949-640-7697</i>
8:30 p.m.	Adjourn for the day	

Tuesday, September 22, 2009

OPEN SESSION³

7:30 a.m.	Room Opens (<i>Breakfast available in the Beckman Refectory</i>)	
8:30 a.m.	Jupiter Ganymede Orbiter	Jean-Pierre Lebreton/Michele Dougherty ⁴ European Space Agency/Imperial College
9:30 a.m.	CNES's Titan Montgolfiere Studies	Andre Vargas ⁵ CNES
10:00 a.m.	<i>Break</i>	
10:15 a.m.	Reducing the Challenges Posed by a Europa Mission	Karla Clark/Rob Lock Jet Propulsion Laboratory

CLOSED SESSION

11:00 a.m.	Discussion of White Papers 1	Committee
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³ See notes on final page for webcasting and audio-access information.

⁴ Conference call

⁵ Conference call

12:00 p.m.	Discussion <i>(Lunch will be served in the Lecture Room, committee discussion will continue)</i>	Committee
1:00 p.m.	Discussion of White Papers 2	Committee
3:00 p.m.	<i>Break</i>	
3:15 p.m.	Mission Studies 1	Committee
5:15 p.m.	Homework Assignments <i>(Joint session with Giant Planets Panel)</i>	John Spencer
6:00 p.m.	Adjourn	

Wednesday, September 23, 2009

CLOSED SESSION

7:30 a.m.	Room Opens <i>(Breakfast available in the Beckman Refectory)</i>	
8:30 a.m.	Satellite Science Priorities 2	Committee
10:00 a.m.	<i>Break</i>	
10:15 a.m.	Mission Studies 2	Committee
11:00 a.m.	Agenda Items for Third Panel Meeting	John Spencer
11:30 a.m.	Writing Assignments	John Spencer
12:00 p.m.	Adjourn <i>(Lunch available in Beckman Refectory)</i>	

NOTES

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 will be webcast and presentation materials given to the committee will be posted on a publicly accessible website. Please edit your presentations accordingly.

Beckman Center: Is located on the campus of the University of California, Irvine. See the following website for more information, including directions:
<http://www7.nationalacademies.org/beckman/>

Hotel: The Satellites Panel has reserved a block of rooms the Island Hotel, 690 Newport Center Drive, Newport Beach, CA 92660. Additional information, including directions can be found at the following website: <http://www.theislandhotel.com/>. This hotel was previously called the Four Seasons and is still marked as such on some old maps. There are a large number of restaurants within walking distance of the hotel in the Fashion Island shopping complex.

Working Dinner: The Satellites Panel will hold a working dinner at Roy's Hawaiian Fusion Cuisine, 453 Newport Center Drive, Newport Beach. This is within walking distance of the Island Hotel. More information can be found at the following website:
<http://www.roysrestaurant.com/index.asp>.

Webcast Access: Webcast at <http://nasa-nai.acrobat.com/psdecadal/>. To receive audio you must call 866-606-4717 (domestic) or 1-309-495-0763 (international). Access code 7078222.

Parking: There is plenty of free parking at the Beckman. There is no self-parking at the Island. The hotel only has valet parking. It can be somewhat inconvenient at times. Is that rental car really necessary?

Airports: Orange County/John Wayne Airport (SNA) is about 2 miles from the Beckman Center and the Island Hotel. Los Angeles International Airport (LAX) is about 40 miles away from the meeting site. Long Beach airport is at an intermediate distance.