

# THE NATIONAL ACADEMIES

*Advisers to the Nation on Science, Engineering, and Medicine*

Space Studies Board

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## Satellites Panel Planetary Science Decadal Survey

**Space Studies Board  
National Research Council**

National Academy of Sciences Building  
2101 Constitution Ave. NW, Washington, D.C.  
(Entrance at 2100 C Street NW)  
Lecture Room

### **AGENDA<sup>1</sup>** August 24-26, 2009

**Monday, August 24, 2009**

#### **CLOSED SESSION**

7:30 a.m.	Room Opens <i>(Breakfast available in the Lecture Room)</i>	
8:30 a.m.	Welcome and Agenda Review	John Spencer
8:50 a.m.	Overview of NRC Study Process	David H. Smith
9:15 a.m.	Balance and Composition Discussion	Richard Rowberg
10:00 a.m.	<i>Break</i>	

#### **OPEN SESSION<sup>2</sup>**

10:15 a.m.	Lessons Learned from the 2003 Decadal Survey	Alfred McEwen University of Arizona
11:30 a.m.	Committee Discussion <i>(Lunch will be served in the Lecture Room, committee discussion will continue)</i>	

<sup>1</sup> Updated August 18, 2009

<sup>2</sup> Webcast at <http://nasa-nai.acrobat.com/psdecadal/> Audio at 866-606-4717, Access Code 7078222

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

12:30 p.m.	Charge to the Decadal Survey <i>(Joint session with Giant Planets Panel)</i>	James Green/Curt Niebur/Len Duzinski NASA Headquarters
1:30 p.m.	NSF's Support for the Planetary Sciences <i>(Joint session with Giant Planets Panel)</i>	Nigel Sharp (TBC) National Science Foundation
2:00 p.m.	OPAG's Goals and Priorities <i>(Joint session with Giant Planets Panel)</i>	William McKinnon Washington University
3:00 p.m.	<i>Break</i>	
3:15 p.m.	How the Jupiter-Europa Orbiter Addresses Satellite Science	Robert Pappalardo Jet Propulsion Laboratory
4:15 p.m.	Io Volcanic Observer Mission	Alfred McEwen University of Arizona
5:00 p.m.	How a Uranus Mission Concept Addresses Satellite Science	Mark Hofstadter Jet Propulsion Laboratory
6:00 p.m.	<i>Activities suspended to reconvene at working dinner at:</i>	<i>The Jockey Club</i> 2100 Massachusetts Ave. NW 202-835-2100
6:30 p.m.	<i>Working dinner to discuss presentations, joint with Giant Planets Panel</i>	
8:00 p.m.	Adjourn for the day	

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**Tuesday, August 25, 2009**

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**OPEN SESSION<sup>3</sup>**

7:30 a.m.	Room Opens <i>(Breakfast available in the Lecture room)</i>	
8:30 a.m.	Introduction to the Decadal Survey	Steven Squyres
9:15 a.m.	Cassini Equinox/Solstice Missions and Satellite Science	Linda Spilker Jet Propulsion Laboratory
10:00 a.m.	<i>Break</i>	
10:15 a.m.	Titan-Saturn System Mission	Jonathan Lunine University of Arizona
11:15 a.m.	Titan Mare Explorer Mission	Ellen Stofan Proxemy Research

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<sup>3</sup> Webcast at <http://nasa-nai.acrobat.com/psdecadal/> Audio at 866-606-4717, Access Code 7078222

12:00 p.m.	Discussion <i>(Lunch will be served in the Lecture Room, committee discussion will continue)</i>	Committee and Guests
1:00 p.m.	TMC Review of Outer Planet Flagship Missions <i>(Joint session with Giant Planets Panel)</i>	Curt Niebur and Brad Perry NASA HQ and NASA Langley
2:00 p.m.	How a Neptune Mission Concept Addresses Satellite Science	Candice Hansen Jet Propulsion Laboratory
3:00 p.m.	<i>Break</i>	
3:15 p.m.	Mission Studies and Technical Assistance 1 <i>(Joint session with Giant Planets Panel)</i>	Paul Ostdiek Applied Physics Laboratory
4:00 p.m.	Mission Studies and Technical Assistance 2 <i>(Joint session with Giant Planets Panel)</i>	Michael J. Amato <sup>4</sup> Goddard Space Flight Center
4:45 p.m.	Mission Studies and Technical Assistance 3 <i>(Joint session with Giant Planets Panel)</i>	Kim Reh/Robert Moeller/ Chet Borden/Keith Warfield Jet Propulsion Laboratory
5:30 p.m.	General Discussion <i>(Joint session with Giant Planets Panel)</i>	Committee and Guests
6:00 p.m.	Adjourn	

### Wednesday, August 26, 2009

#### CLOSED SESSION

7:30 a.m.	Room Opens <i>(Breakfast available in the Lecture Room)</i>	
8:30 a.m.	White Papers, Science Priorities and Mission Studies	John Spencer
10:00 a.m.	<i>Break</i>	
10:15 a.m.	White papers, Science Priorities and Mission Studies (continued)	John Spencer
11:00 a.m.	Agenda Items for September Meeting	John Spencer
11:30 a.m.	Schedule for Third Panel Meeting	John Spencer
12:00 p.m.	Adjourn <i>(Lunch available in Lecture Room)</i>	

<sup>4</sup> Conference call