

# THE NATIONAL ACADEMIES

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

October 10–11, 2008 Meeting

## Plasma Science Committee

**Keck Center of The National Academies, Room 110**

500 Fifth Street, NW  
Washington, DC 20001

**Friday, October 10, 2008**

OPEN SESSION		
1:00 pm	<b>Welcome and plans for the meeting</b>	Riccardo Betti, <i>Chair</i>
1:15 pm	<b>Plasma Science at NSF/ENG</b>	Phillip Westmoreland, NSF/ENG
1:30 pm	Discussion	
1:45 pm	<b>Update on NIF</b>	Chris Deeney, NNSA
2:00 pm	<b>FY2008 and Outlook for NNSA in FY2009</b>	Chris Deeney, NNSA
2:30 pm	Discussion	
2:45 pm	<i>Break</i>	
3:00 pm	<b>Update on ITER and U.S. participation</b>	Gene Nardella, DOE/OFES
3:15 pm	<b>FY2008 and Outlook for OFES in FY2009</b>	Gene Nardella, DOE/OFES
3:45 pm	Discussion	
4:00 pm	<b>Plasma Science at NSF/PHY</b>	Joseph Dehmer, NSF/PHY
4:30 pm	Discussion	
5:00 pm	<i>Break</i>	
5:45 pm	<i>Working dinner for committee and guests</i>	Oya Restaurant 799 9 <sup>th</sup> St NW Washington, DC 20001 (202) 393-1400
7:45 pm	<i>Adjourn for day</i>	

## Saturday, October 11, 2008

8:00 am	<i>Gather and depart from hotel</i>	<i>Meet in lobby</i>
<b>OPEN SESSION</b>		
8:30 am	Reconvene and opening comments <i>Breakfast will be provided</i>	
9:00 am	<b>Results from the low-temperature plasma workshop</b>	Mark Kushner, Iowa State
9:30 am	Discussion	
9:45 am	<b>Report from the FESAC Toroidal Alternates Panel</b>	David Hill, LLNL
10:30 am	Discussion	
10:45 am	<i>Break</i>	
11:15 am	<b>High Energy Density Laboratory Plasmas: Exciting prospects for new physics and technology</b>	Bedros Afeyan, Polymath Research Inc.
12:00 pm	Discussion <i>Lunch will be provided at noon</i>	
1:00 pm	<b>Magnetorotational plasma instability using electrically conducting liquids</b>	Hantao Ji, PPPL
1:45 pm	Discussion	
2:00 pm	<b>FESAC HEDLP Activities</b>	Riccardo Betti, Chair
2:30 pm	Discussion	
2:45 pm	<i>Break</i>	
<b>CLOSED SESSION</b>		
3:00 pm	<b>Balance and composition discussion</b>	Don Shapero, BPA Director
3:40 pm	<b>Update on BPA and NRC activities</b>	David Lang, BPA
3:50 pm	<b>Plans for next meeting</b>	Riccardo Betti, Chair
4:00 pm	Adjourn	