

# THE NATIONAL ACADEMIES

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

## Committee on Atomic, Molecular, and Atomic Sciences

Fall 2011 Meeting -

***The Keck Center of the National Academies  
500 Fifth Street N.W.  
Washington, D.C.  
Room 110***

**Monday, October 3, 2011**

		On site	Tab #
<b>CLOSED SESSION</b>			
<b>OPEN SESSION</b>			
10:00	<b>Welcome – Focus Session on Nanotopics</b>	Steve Pratt, <i>Chair</i>	
10:05	<b>Presentation 1 – Biophotonic NanoSatellites: Toward Real-time Cellular Galaxy Exploration and Gene Regulations in Living Cells</b>	Luke Lee, University of California at Berkeley	
11:05	<b>Presentation 2 – Sensing the quantum motion of a nanomechanical oscillator</b>	Konrad Lehnert, University of Colorado at Boulder/JILA	
12:05 pm	<b>Lunch</b>	On site	
1:00 pm	<b>Reconvene</b>	Steve Pratt, <i>Chair</i>	
1:00 pm	<b>Presentation - Metamaterials</b>	Vladimir Shalaev, Purdue University	
2:00 pm	<b>Presentation 4 – Precise Assemblies, Clusters, Superatoms, and Cluster-Assembled Materials</b>	Paul Weiss, University of California at Los Angeles	
3:00 pm	<b>Break</b>		
3:15 pm	<b>Presentation 5 – _____</b>	Ray Beausoleil, HP Laboratories	
4:25 pm	<b>Discussion on Nanotopics</b>		
5:30 pm	<b>Break</b>		
6:30 pm	<b>Dinner</b>	TBA	

**Tuesday, October 4, 2011**

		On site	
<b>CLOSED SESSION</b>			