

**Provisional Programme**  
**Synchrotron Radiation in Earth, Space & Planetary Science -**  
**Exploiting the UK's newest facility**

**10 -11 Nov 2010**

**Venue: G59, Diamond Light Source**

<b>Day 1 : Wed. 10 Nov</b>			
<b>Item</b>	<b>Topic</b>	<b>Presenter</b>	<b>Time</b>
1.	Registration + buffet lunch (Diamond House)		12:00 – 13:00
2.	Welcome & Introduction	Trevor Rayment (Physical Sci. Director, DLS)	13:00 – 13:10
3.	Diamond Facilities	Chiu Tang (DLS)	13:10 – 13:40
4.	Time travel by synchrotron	Monica Grady (Open University)	13:40 – 14:10
5.	The Application of High Energy X-rays to Study Materials at Extreme Conditions	Pete Chupas (APS, USA)	14:10 – 14:40
<i>Break</i>			
6.	Laboratory studies on the formation and spectral properties of cosmic dust	Cornelia Jäger (Jena, Germany)	15:00 – 15:30
7.	Phase Diagrams for Earth Materials at Extreme Conditions	Mike Walter (Bristol)	15:30 – 16:00
8.	Crystallography of planetary ices and hydrates	Dominic Fortes (UCL)	16:00 – 16:30
9.	Tour of Diamond		16:30 – 17:30
10.	Poster Session		17:30 – 19:00
11.	<i>Evening dinner in R22 Restaurant: 19:00 – 22:00 hr</i>		

## Day 2: Thu. 11 Nov

Item	Topic	Presenter	Time
1.	Microfocus Spectroscopy of Cometary and Martian materials	John Bridges (Leicester)	09:00 – 09:30
2.	Earth and Planetary science at the high pressure beamline ID27, ESRF	Mohamed Mezouar (ESRF)	09:30 – 10:00
3.	Characterizing the dust around stars	Nye Evans (Keele)	10:00 – 10:30
<i>Break</i>			
4.	Structural distortion of single-crystals of Al,Fe-bearing MgSiO <sub>3</sub> perovskite at pressures of the lower mantle	Tiziana Boffa-Ballaran	11:00 – 11:30
5.	How the NASA Stardust Mission Collected Cometary and Interstellar Dust in Hypervelocity Impacts and How We Then Analyzed it in the Lab	Mark J. Burchell (Kent)	11:30 – 12:00
6.	Discussion & Summary		12:00 – 12:30
<i>Close</i>			