

OUPC 2014 Timetable

Mary Sunley Building
St Catherine's College Oxford

22 – 23 April 2014

TUESDAY 22 APRIL	
9.15 – 9.30	Registration
9.30 – 9.45	Welcome (CWPP)
9.45 – 11.00	<i>Probing damp, decaying historic walls with geophysical techniques</i> Prof. Heather Viles (Geography, Oxford)
11.00 – 11.30	COFFEE
11.30 – 12.45	<i>Magnetism in the Cosmos</i> Prof. Keith Moffatt (DAMTP Cambridge)
12.45 – 1.45	LUNCH
1.45 – 3.15	Paper Session 1: <ul style="list-style-type: none">• QM and Moyal Algebra (Basil Hiley)• Co-evolution of Galaxies and Black Holes (Brooke Simmons)• Born & Infeld: EM without singularities (Andre Lukas)
3.15 – 3.45	TEA
3.45 – 5.00	<i>Mathematical models in the age of Newton:</i> Dr Benjamin Wardhaugh (History, Oxford)

WEDNESDAY 23 APRIL	
9.30 – 11.00	<i>Current progress in neutrino physics</i> Prof. David Wark (Particle Physics, Oxford and RAL)
11.00 – 11.25	COFFEE
11.25 – 12.45	<i>How do we really know what the temperature is?</i> Dr Michael de Podesta (NPL)
12.45 – 1.45	LUNCH
1.45 – 3.15	Paper Session 2: <ul style="list-style-type: none">• Gravity and the Arrow of Time (Prof Julian Barbour)• Cell mechanics and why mechanics is central to biology (Sonia Antoranz Contera)• Geophysical methods in Archaeology (Jane Harrison)
3.15 – 3.45	TEA
3.45 – 5.00	<i>Lorenz, Gödel and Penrose: New perspectives on determinism and causality in fundamental physics</i> Prof. Tim Palmer (Physics, Oxford)