



## **John Adams Institute for Accelerator Science Lecture Series**

Thursday 16<sup>th</sup> May 2013 at 2:30pm  
Fisher Room, Denys Wilkinson Building

### ***Ultrafast science with X-ray FELs***

The lecture will be delivered by

**Jon Marangos,  
Lockyer Professor of Physics, Imperial College**

*Abstract:* We will briefly review current X-ray laser specifications - concentrating on the parameters of the LCLS facility at Stanford. Then we will examine the new science that the generic capabilities of X-ray lasers is enabling. We will then discuss the specific challenges of using X-ray FELs for measurement of ultrafast processes taking as an example recent progress at LCLS.

For further details contact Glenn Christian at [g.christian1@physics.ox.ac.uk](mailto:g.christian1@physics.ox.ac.uk)