



www.seccluster.ie

SFI Strategic Research Cluster in Advanced Biomimetic Materials for Solar Energy Conversion

*In association with UCD School of Chemical & Bioprocess
Engineering Seminar Series*

Nanostructures for solar energy conversion: a photochemist's viewpoint

Professor James Durrant

Professor of Photochemistry, Imperial College London

Thursday 4th March

**Room 326 UCD Engineering and Materials Science Centre
1.00 – 2.00 pm ALL WELCOME**

James Durrant is Professor of Photochemistry in the Department of Chemistry, Imperial College London and Deputy Director of Imperial College's Energy Futures Lab.

Prof Durrant's research is focused on solar energy conversion by nanostructured and molecular materials - harnessing solar energy either to produce electricity (photovoltaics) or molecular fuels (e.g hydrogen).

Currently his group is working on both polymer / fullerene and dye sensitized nanocrystalline solar cells and photoelectrodes for water photolysis, as well as a spin off application in heterogenous sensing of pollutants.

Prof Durrant was awarded the RSC Environment Award in 2009. He has published over 160 research papers and 5 patents.

<http://www3.imperial.ac.uk/people/j.durrant>

