New and Sustainable Photovoltaics

Over the next 30 years the massive expansion of solar electricity is set to continue. The EPSRC Centre for Doctoral Training in New and Sustainable Photovoltaics aims to meet the new challenges of growth, affordability and sustainability; future solar photovoltaic technologies must be competitive enough to withstand market fluctuations, and yet be sustainable in terms of the raw materials and manufacturing methods used.

This will demand new approaches, including nanotechnology, low temperature processing and photon engineering coupled with enhancements to emerging thin film and conventional photovoltaics (PV) device technology.

The Centre will train 65 PhD’s to become leaders in both research and industry. It is led by the universities of Liverpool and Bath, with other university partners including Cambridge, Loughborough, Oxford, Sheffield and Southampton. There is also strong industrial support from BAE Systems, Eight19, Echerkon, LSA Ltd, MSolv, NSG, SiliconCPV, Ossila, Oxford PV, PowerVision and Taylor Hobson. We are recruiting students with backgrounds in physics, chemistry, engineering and materials science.

Joining this doctoral training programme will give you the opportunity to:

- Receive the training needed for a professional career in photovoltaics
- Work with leading academics and industrialists on ‘real-world’ multi-disciplinary research projects
- Earn a very generous financial package over four years, inclusive of opportunities for placement and international travel
- Develop a range of defined skills and attributes, so as to be able to take up a leadership role in this emerging industry.

For more information about our projects, visit: www.liv.ac.uk/new-and-sustainable-photovoltaics

Fully-funded projects are available to UK students only; however, we also welcome self-funded international student applicants.