

Two fully funded optics based PhD projects commencing in September 2018 are available at the University of Exeter, UK. Applications are welcomed from EU applicants.

Both of these projects involve the development of new optical systems to measure and correct the scrambling of light as it propagates through scattering systems, with applications to seeing inside the human body using harmless visible light.

Title: Towards flexible micro-endoscopy: compressive characterisation and control of light propagation through multi-mode optical fibres.

Supervisors:

Dr David Phillips <http://emps.exeter.ac.uk/physics-astronomy/staff/dp413> and
Dr Jacopo Bertolotti <http://emps.exeter.ac.uk/physics-astronomy/staff/jb601>

Project information and application details at:

<http://www.exeter.ac.uk/studying/funding/award/?id=2939>

<https://www.findaphd.com/search/ProjectDetails.aspx?PJID=90829>

Title: Rendering the opaque transparent: unscrambling light to see through scattering environments.

Supervisors:

Dr David Phillips <http://emps.exeter.ac.uk/physics-astronomy/staff/dp413> and
Dr Simon Horsley <http://emps.exeter.ac.uk/physics-astronomy/staff/sh481>

Project information and application details at:

<http://www.exeter.ac.uk/studying/funding/award/?id=2947>

<https://www.findaphd.com/search/ProjectDetails.aspx?PJID=90867>

The application deadline is 10th January 2018. Please email d.phillips@exeter.ac.uk for more information.