

## Fully funded PhD position(s) available. School of Physics and Astronomy, University of Leeds.

Are you about to graduate with a 1<sup>st</sup> or good 2.1 degree in Physics? Have you got an interest in carrying out research in soft matter or biological physics on a project with industrial relevance? We are seeking highly-motivated candidates for fully-funded PhD positions to work on one of the following projects:

- Imaging of biological materials using microbubbles and nanorods as approaches to cancer detection ([K.Critchley@leeds.ac.uk](mailto:K.Critchley@leeds.ac.uk));
- Liquid crystal composites for multimode optoelectronic devices ([M.Nagaraj@leeds.ac.uk](mailto:M.Nagaraj@leeds.ac.uk));
- Switchable lenses and sensors using novel soft materials ([H.F.Gleeson@leeds.ac.uk](mailto:H.F.Gleeson@leeds.ac.uk));
- Bistable Liquid Crystal Lenses and reconfigurable Holographic elements ([J.C.Jones@leeds.ac.uk](mailto:J.C.Jones@leeds.ac.uk));
- Mapping drug distribution of microbubble-based therapeutic delivery in tumours using Raman and mass spectroscopy ([S.D.Evans@leeds.ac.uk](mailto:S.D.Evans@leeds.ac.uk));
- Optimising plasmonic-based biosensors ([S.D.Evans@leeds.ac.uk](mailto:S.D.Evans@leeds.ac.uk)).

The projects are all collaborative with industry so the successful applicant will have the opportunity to gain experience of industrially relevant research. Further details of each of the projects can be obtained by contacting the relevant named person. Informal general enquires can be made to Dr Critchley [K.Critchley@leeds.ac.uk](mailto:K.Critchley@leeds.ac.uk)

The successful applicant(s) will hold or be about to receive a 1<sup>st</sup> or good 2.1. degree in Physics. The funding is available for UK/EU students only.

Applications must be made in the first instance by submitting a CV by e-mail to Dr Kevin Critchley [K.Critchley@leeds.ac.uk](mailto:K.Critchley@leeds.ac.uk). Your CV must state your actual or anticipated degree result, known marks and relevant experience. Please name two referees who can comment on your motivation and potential to carry out research.

The closing date for applications is **30<sup>th</sup> June 2017** and Interviews will be held on the morning of **4<sup>th</sup> July 2017**, so candidates must be available that day (either in person in Leeds or by Skype). The PhD position must start on **1<sup>st</sup> October 2017**.

