



Five PhD studentships in Engineering Photonics

Centre for Engineering Photonics

£14,296 - £16,000 pa stipend, tax free*

Fully funded: tuition fees paid**

Start date flexible from Oct 2016.

Applications accepted until 11th September 2016

The internationally renowned Centre for Engineering Photonics at Cranfield University is pleased to announce five fully funded PhD studentships. Our research programmes develop novel optical sensors and instrumentation and apply them in real-world measurement applications for the benefit of society. We are a diverse, outward-facing research activity, and many of our projects involve collaboration with other academic groups (national and international), sensor manufacturers and end users.

PhD projects are available in the following areas:

- [Full-field optical strain instrumentation for the measurement of dynamic impact events](#)
- [Gas sensing using micro-structured optical fibre for environmental monitoring](#)
- [Investigation of laser speckle from complex systems for sensing applications](#)
- [Optical fibre sensing using fibre Bragg gratings for impact measurements in composite materials](#)
- [Range-resolved interferometry for high-accuracy dimensional metrology](#)

Projects would suit candidates with a background in the physical sciences, who want to apply their skills in measurement applications. Experience in photonics would be an advantage, but an ability to learn and to apply that learning are considered equally important, as full training will be provided in photonics techniques. Additionally all students are encouraged to complete a programme of additional courses in transferrable skills, making them highly sought after by employers. Our students go on to successful careers in the fields of their choice, often in research or development roles in industry, government funded establishments and universities.

Engineering Photonics provides a stimulating research environment, a purpose built suite of first class laboratories, close links with industry and researchers from other disciplines and opportunities for students to present their work at international conferences.

Candidates should have a good first degree in engineering or the physical sciences, and / or an MSc in a relevant subject. Many of our students complete a PhD following a period (or even a career) in industry and we welcome the additional experience that this brings.

Enquiries/Applications:

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*Dependent on qualifications and experience.

**UK / EU residents only, eligibility rules apply,
see individual adverts for details.

