



The University of Limerick (UL) with over 15,000 students and 1,300 staff is an energetic and enterprising institution with a proud record of innovation and excellence in education, research and scholarship. The dynamic, entrepreneurial and pioneering values which drive UL's mission and strategy ensures that we capitalise on local, national and international engagement and connectivity. We are renowned for providing an outstanding student experience and conducting leading edge research. Our commitment is to make a difference by shaping the future through educating and empowering our students. UL is situated on a superb riverside campus of over 130 hectares with the River Shannon as a unifying focal point. Outstanding recreational, cultural and sporting facilities further enhance this exceptional learning and research environment.

Applications are invited for the following position:

PhD Scholarship in Optical Fibre Sensing

Opportunity for talented and motivated candidate to join our research team as a full-time PhD student at University of Limerick. The research in our group develops optical sensors for applications in radiotherapy. The PhD project advances the use of photonics for radiation oncology by investigating optical fibres suitable for use as distributed radiation sensors for *in vivo* use in brachytherapy. The project will investigate suitable materials for use in distributed optical fibre based sensors to provide real-time monitoring of the radiation dose for cancer treatment.

Your profile:

Suitable candidates for the PhD position have (or will have at starting date) a first class or 2.1 honours bachelor or master degree, or equivalent, in engineering, physics, materials science or other relevant field. Experience in optics, instrumentation, MATLAB, LabVIEW are of extra merit. We also value good communication skills (English), strong motivation, positive attitude, and ability to work well both independently and with others.

The research environment:

The successful candidate will join the Photonics for Radiation Therapies Group, under guidance of Dr. Sinead O'Keeffe. The research group is part of the Optical Fibre Sensors Research Centre (www.ofsrc.ul.ie), directed by Prof. Elfed Lewis, within the Dept. of Electronic & Computer Engineering. The laboratory constitutes a collaborative, international and cross-disciplinary research environment of over 20 members.

Funding /Stipend

The studentship are normally valued at €24,000 (€18,500 stipend + EU fees €5,500) per annum for 4 years - commensurate with qualifications and experience.

Application procedure

Please send a CV (full curriculum vitae with referee details) with a personal statement outlining why you would like to pursue this research opportunity and what you think you could contribute to this study to Dr Sinead O'Keeffe (sinead.okeeffe@ul.ie). Closing date for receipt of application is 4th July 2018. For more information, visit www.ofsrc.ul.ie, or contact Dr O'Keeffe sinead.okeeffe@ul.ie