POSTGRADUATE OPPORTUNITIES IN NON-DESTRUCTIVE EVALUATION

_industrially focussed Engineering Doctorate and PhD opportunities available across a wide range of practical and theoretical projects._

The EPSRC Centre for Doctoral Training in Quantitative NDE is a partnership between a select group of universities and companies who offer a 4-year industrial doctorate designed to launch graduates into an engineering career. We have funded positions available for PhD and EngD applicants.

*What is NDE?* The use of non-invasive techniques to determine the integrity of a material, component or structure or quantitatively measure some characteristic of an object. 21st century industry needs novel NDE technologies to meet new safety, environmental and engineering challenges. Likely research areas include: advanced sensor and imaging technology, large area methods, automation & robotics, modelling & reliability, remote & non-contact NDE, new inspection technologies, data fusion & visualization and permanently installed sensors.

*What is an EngD?* A 4-year research degree of equivalent standing to a PhD, primarily for those anticipating a career in industry. Research Engineers are usually based in a company for the majority of their time, where they carry out applied research on one or more topics of interest to the company. During the 4 years each Engineer also spends 6-9 months-worth of time on advanced technical and professional development courses.

*Which company?* Our industrial partners include large end-users such as Airbus, BAE Systems, NNL, E•ON, EDF Energy, BP, RWE, Amec Foster Wheeler and Rolls-Royce together with a range of companies that supply equipment, technology and services to these end-users.

*Which university?* REs are registered with one of our university partners (Imperial College London, Strathclyde, Bristol, Nottingham, Manchester or Warwick) who appoint an academic supervisor to work with the industrial supervisor to ensure that each RE works on a useful and challenging project and develops as a career engineer.

*Who can apply?* We have a full complement of places available in October 2016 for suitable applicants. You should have a first or upper second class honours degree in engineering, mathematics or physical science. EU and UK candidates are eligible for full funding, provided they satisfy academic and UK residency criteria. EU candidates will not be eligible to receive a bursary if they fail the residency criterion. See EPSRC guidelines: [http://www.epsrc.ac.uk/skills/students/help/eligibility/](http://www.epsrc.ac.uk/skills/students/help/eligibility/) For industrially funded doctorates, qualifying Research Engineers receive a tax-free stipend of well over £18,000, sometimes considerably more.

If you are interested in this excellent opportunity for training, research and career development, please contact our Administrator, Nina Hancock (n.hancock@imperial.ac.uk) or phone 020 7594 7068 for further details. You are also invited to visit our website, [http://www.rcnde.ac.uk/home-cdt/](http://www.rcnde.ac.uk/home-cdt/).