

Fully Funded PhD Scholarship in Security Screening

Project Description

The Imaging Science Group at Nottingham Trent University (NTU) has a fulltime, fully funded scholarship available in material specific imaging for security screening.

The successful candidate will be based at the NTU Clifton campus and will work in a multidisciplinary team, helping to develop new approaches to enhance aviation security systems. As a part of the research group, you will benefit from access to state of the art laboratory facilities at NTU and collaborating institutions; including government labs, industry and other research intensive universities.



The project aim is to develop detection principles and techniques that are applicable to a wide range of contraband including explosives/precursors, narcotics, alcohol, fruit, ivory, hardwoods. The work will also address the issue of identifying contraband within cluttered luggage or packages, without manual searches or handling the items. This exciting, multidisciplinary project would suit a highly motivated individual interested in any of the following areas: signal analysis, material science, simulation and modelling, physics and engineering.

By being part of a highly experienced team, led by Professor Paul Evans, you will benefit from over 20 years of leading track record of innovation in the field of X-ray security imaging. The group's achievements have been recognised by a Queen's Anniversary Prize in 2016, which highlighted their world class research and industrial impact. This work has attracted around £5 million research funding from UK and US governments over recent years.

This programme seeks candidates with a Bachelor's degree (or equivalent) at 2:1 level (or above) in a relevant subject area (i.e. physics, maths, chemistry, forensics science, engineering, computing) or an equivalence in industry experience.

Funding Notes

This studentship competition is open to applicants who wish to study for a PhD on a full-time basis only. The studentship will pay UK/EU fees (currently set at £4,195 for 2017/18 and are revised annually) and provide a maintenance stipend linked to the RCUK rate (this is revised annually and is currently £14,553 for academic year 2017/18) for up to three years*.

*Applications from non-EU students are welcome, but a successful non-EU candidate would be responsible for paying the difference between non-EU and UK/EU fees. (Fees for 2017/18 are £12,900 for non-EU students and £4,195 for UK/EU students).

Applying

For informal enquiries about the studentship, please contact Professor Paul Evans at paul.evans@ntu.ac.uk.

Application packs can be downloaded from:

https://www4.ntu.ac.uk/research/ntu_doctoral_school/applying_fees_funding/index.html

Please return completed application forms, with copies of academic certificates and CV, to: doctoralschool@ntu.ac.uk

The closing date for receipt of completed application forms is 5pm 30th Oct 2017. Application by CV only will not be accepted.

The studentship is expected to start in 2018.