The University of Nottingham
UNITED KINGDOM · CHINA · MALAYSIA

ΥΠΟΤΡΟΦΙΑ ΓΙΑ ΕΚΠΟΝΗΣΗ ΔΙΔΑΚΤΟΡΙΚΗΣ ΔΙΑΤΡΙΒΗΣ ΣΤΗ ΜΕΓΑΛΗ ΒΡΕΤΑΝΙΑ

Το τμήμα Μηχανολόγων Μηχανικών του 'The University of Nottingham' της Μεγάλης Βρετανίας, προκηρύσσει μια υποτροφία για διδακτορική έρευνα σχετική με τον διαγνωστικό έλεγχο σύνθετων αεροπορικών κατασκευών.

Οι υποτροφία περιλαμβάνει πλήρη κάλυψη των διδάκτρων και λοιπών πανεπιστημιακών εξόδων, καθώς και μισθό της τάξης των 13726 λιρών/έτος, εξαιρουμένου φορολογίας, για 3 χρόνια.

Η προκήρυξη της θέσης στα αγγλικά παρατίθεται παρακάτω:

PhD Studentship

Condition monitoring of aerospace structures

University of Nottingham - Faculty of Engineering

The University of Nottingham is a world leader in aerospace R&D. With a research income which exceeds £120M per Year, the Engineering Research Power of the University currently ranks 4th in the UK. The Faculty of Engineering is ranked in the top 5 out of 85 engineering departments in the UK in the last Research Assessment Exercise, with most of its research output classified as world leading or internationally excellent in quality. It provides state-of-the art experimental and computational facilities and attracts leading scholars from around the world, many of whom are leaders in their fields.

Description of the post

Failure of aerospace structures can be life threatening for passengers and financially catastrophic for the operator and the manufacturer. This is the main reason for which a large part of an aircraft's lifecycle and operating cost is spent for inspecting its structural integrity on the ground. On-line detection and characterization of minor failures within composite aerospace structures can lead to a radical reduction of this cost.

Applications are invited for a fully funded PhD studentship (3 years) within the Division of Materials, Mechanics & Structures of the University of Nottingham. The studentship includes fees and a tax-free stipend of £13,726 per annum.

The PhD candidate will be expected to make significant contributions to the development of robust damage identification and classification tools for complex composites. The successful applicant should:

i) be in possession of (or be expecting to obtain) a first-class or a 2:1 degree in mechanical engineering or a relevant discipline and
ii) have a sound background in dynamics of solids and/or composite structures numerical modelling.

Informal enquiries prior to making an application may be addressed to: Dr. Dimitrios Chronopoulos, email: Dimitrios.Chronopoulos@nottingham.ac.uk. If you are interested in making an application, please contact Dr. Chronopoulos with a detailed CV, a motivation letter and the names and addresses of two academic referees. **Please note that due to funding restrictions, current funding is available to UK/EU nationals only.**

The position will remain open until filled.