

## **Doctoral Fellow – SMART Textiles Engineering**

**Job Ref: REQ251117**

### **About the Fellowship**

This Fellowship offers an opportunity for a recently completed engineering PhD candidate to receive 12 months of tailored support to start to develop and establish a research career. The Fellow will have an appropriate Loughborough University academic sponsor to support and guide them; they will work as part of the SuS-Tex cluster. Fellows must be undertaking work derived from their own research questions and ideas, which will provide a strong underpinning for such as an external Fellowship application or full time RTE position in the future. Candidates must have submitted their thesis, been examined, and passed before the Doctoral Fellowship begins; they must be within 2 years of their PhD examination. During the Fellowship, the holder will be encouraged to apply for an appropriate externally funded Fellowship for researchers in the early career stages, to be based at Loughborough University, and to commence at the conclusion of this Doctoral Fellowship.

### **Job Description**

#### **Job Grade**

Specialist and Supporting Academic Grade 6

#### **Job Purpose**

Fellowship holders will be expected to develop their research career as part of the Research Leaders programme in Loughborough University's strategic framework for research.

#### **Job Duties**

- To pursue a personal research programme consistent with the School's research agenda.
- To undertake research activity to underpin high-quality applications for an externally-funded Fellowship.
- Where appropriate, to secure further external funding for their research.
- To publish high-impact independent research articles as lead author in outlets of international standing.
- To attend and contribute to major international conferences.
- To pursue opportunities to deliver impact from their research.
- To collaborate in research initiatives with colleagues within the School and across the University, and to publish as co-author.
- To collaborate in research initiatives with other HEIs, industry and other relevant bodies.

#### ***Related Activities and Functions***

- To work effectively with relevant administrative, technical and academic staff in the School and across the University.
- To undertake such other duties as may be reasonably requested and that are commensurate with the nature and grade of the post.
- To undertake teaching duties as determined by the Dean and AD-ESE that are commensurate with a research post.

- To undertake training as required to fulfil the requirements of the role.

### **Other**

- All staff have a statutory responsibility to take reasonable care of themselves, others and the environment and to prevent harm by their acts or omissions. All staff are therefore required to adhere to the University's Health, Safety and Environmental Policy and Procedures.
- All staff should hold a duty and commitment to observing the University's Equity and Diversity policy and procedures at all times. Duties must be carried out in accordance with relevant Equity and Diversity legislation and University policies/procedures.

### **Points to Note**

The purpose of this job description is to indicate the general level of duties and responsibility of the post. The detailed duties may vary from time to time without changing the general character or level of responsibility entailed. Progress towards the aims/deliverables of this role will be evaluated 3-monthly; continuance will be contingent on satisfactory performance.

### **To Apply**

An online Loughborough University Application should be submitted by all candidates and a CV should be attached.

Candidates who have been offered, or already have a position, as a permanent member of academic staff are considered to have already achieved the aims of the Fellowship programme and therefore will not be eligible.

## Person Specification

Your application will be reviewed against the essential and desirable criteria listed below. Applicants are strongly advised to provide clear evidence of how they meet each of the essential (and desirable) criteria in their CV. Stages of assessment are as follows:

- 1 – CV
- 2 – Research proposal
- 3 – Interview

	Essential	Desirable
<b>Education</b>	Engineering PhD viva examination pass, which must be not more than 2 years before application deadline (1)	
<b>Technical experience</b>	Recent active research in SMART Textiles/Wearables engineering (1,2,3)  Experience of authoring original work, in the highest quality refereed academic journals and / or substantial technical reports for industry (1)  Experience of presenting research work at international scientific conferences (1)	Experience of work in industry or collaboration with industry specifically in Garment Engineering or SMART Textiles (1)  Teaching experience in Engineering Management and Engineering Mathematics.
<b>General skills, abilities and knowledge</b>	Ability to develop an original research programme on your own initiative and to persuade others of its importance orally and on paper (2,3)  Knowledge of research funding opportunities in UK HE and understanding of how to secure research funding (3)  Ability to work independently and as part of a team (1)  Excellent communication skills (2,3)  Excellent IT skills (1)	Ability to secure research / project funds from external / company sources (1,3)
<b>Training</b>	Demonstrate evidence of having undertaken appropriate training (1)	Participation in a recognised training programme for research students / staff (1)
<b>Other</b>	Evidence a good working knowledge of equal opportunities and understanding of diversity in the workplace (1,3)	

## Conditions of Service

This position is open to recently completed (or recently submitted) PhD students from any institution (including but not limited to Loughborough University). The appointment will be on a fixed term, 1 year contract on Specialist and Supporting Academic, and salary will be on Grade 6, £35,608 – £46,049 per annum, at a starting salary to be confirmed on offer of appointment

The appointment will be subject to the University's normal Terms and Conditions of Employment for Academic and Related staff, details of which can be found [here](#).

The University is committed to enabling staff to maintain a healthy work-home balance and has a number of family-friendly policies which are available at <http://www.lboro.ac.uk/services/hr/a-z/family-leave-policy-and-procedure---page.html>.

We also offer an on-campus nursery with subsidised places, and subsidised places at local holiday clubs (further details are available at: <http://www.lboro.ac.uk/services/hr/a-z/childcare-information---page.html>)

In addition, the University is supportive, wherever possible, of flexible working arrangements. We also strive to create a culture that supports equity and celebrates diversity throughout the campus. The University holds a Bronze Athena SWAN award which recognises the importance of support for women at all stages of their academic career. For further information on Athena SWAN see <http://www.lboro.ac.uk/services/hr/athena-swan/>