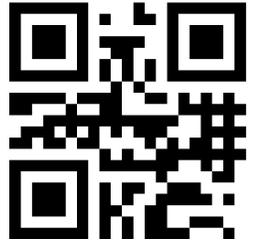


Research Assistant/Associate in Composites Forming (Fixed-Term): EPSRC CIMComp Hub Feasibility Study 'Can a composite forming limit diagram be constructed?'



Reference NM13621
Apply by 24th November
Department Engineering

Project Description:

A position exists for a Research Assistant/Associate in the Department of Engineering, University of Cambridge, to work on a project concerned with deformation testing and modelling of composite fabrics. The post holder will be located in Central Cambridge, Cambridgeshire, UK.

The key responsibilities and duties will be:

- designing tests and experiments to measure defect formation during preforming of composite fabrics;
- undertaking finite element modelling to predict formation of defects during forming;
- developing a forming limit diagram approach to combine the experiments and modelling;
- compiling and analysing quantitative and qualitative data, preparing reports to summarise main findings and conclusions;
- presenting results of the research to sponsors, addressing conferences, and publishing articles outlining the methodology and results of research undertaken.

The position is being funded by the EPSRC Future Composites Manufacturing Research Hub (<http://gow.epsrc.ac.uk/NGBOViewGrant.aspx?GrantRef=EP/P006701/1>). The Future Composites Manufacturing Research Hub is a £10.3m investment by the EPSRC to engage academics from across the UK to deliver a step change in the production of polymer matrix composites. The Hub is led by the University of Nottingham and the University of Bristol and initially included 4 other Spokes: Cranfield University, Imperial College London, the University of Manchester, and the University of Southampton. Three new academic partners joined the Hub in October 2017 following the first call for Feasibility Study proposals: the University of Cambridge, The University of Edinburgh, and the University of Glasgow. Feasibility studies are short-term (up to 6 months) projects to investigate ambitious and challenging ideas seeking to create a step-change in composite manufacturing.

Supervisor: Professor Michael Sutcliffe

Start Date: Available now

Eligibility: The University has a responsibility to ensure that all employees are eligible to live and work in the UK.

Entry Requirements:

Applicants must have obtained, or be close to obtaining, a PhD in Engineering or a similar technical subject, with expertise in experimental testing and modelling as applied to materials systems.

Funding:

Fixed-term: The funds for this post are available for 6 months in the first instance. Salary Ranges: Research Assistant: £25,728 - £30,688; Research Associate: £31,604 - £38,833. Once an offer of employment has been accepted, the successful candidate will be required to undergo a health assessment.

To apply online for this vacancy and to view further information about the role, please visit:

<http://www.jobs.cam.ac.uk/job/15324>. Click on the 'Apply online' button and register an account with the University's Web Recruitment System (if you have not already) and log in before completing the online application form.

Please ensure that you upload your Curriculum Vitae (CV) and a covering letter with a research publication list in the Upload section of the online application. If you upload any additional documents which have not been requested, we will not be able to consider these as part of your application. Please submit your application by midnight on the closing date.

If you have any questions about this vacancy or the application process, please contact Hilde Fernandez (Tel.: +44 01223 748243).

Please quote reference NM13621 on your application and in any correspondence about this vacancy.

The University of Cambridge values diversity and is committed to equality of opportunity.