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Research Assistant/ Associate:
EPSRC Future Composites
Manufacturing Research Hub

University of Glasgow

Research Assistant/ Associate: EPSRC Future Composites Manufacturing Research Hub: Multi-Step Thermoforming of Multi-Cavity, Multi-Axial Advanced Thermoplastic Composite Parts

Reference	019472
Closing Date	7th January 2018
Department	School of Engineering

Job purpose:

You will contribute to a project 'Multi-Step Thermoforming of Multi-Cavity, Multi-Axial Advanced Thermoplastic Composite Parts', working with Philip Harrison, Daniel Mulvihill and Euan McGookin. Specifically, the job requires expert knowledge in control theory and system design, hardware implementation and experimental design and implementation. The successful candidate will also be expected to contribute to the formulation and submission of research publications and research proposals as well as help manage and direct this complex and challenging project as opportunities allow. The position is funded by the EPSRC Future Composites Manufacturing Research Hub http://gow.epsrc.ac.uk/NGBOViewGrant.aspx?GrantRef=EP/P006701/1. The successful applicant will be based at Gilmorehill Campus / Main Building, Glasgow.

Start Date: Available now

Eligibility: UK, EU, International

Salary: Level 6/7 £28,098 - £31,604 / £34,520 - £38,833 per annum.

Duration: This position has funding until 16 July 2018.

Essential knowledge/ qualifications:
- SCQF Level 10 (Honours degree) in a relevant subject or a cognate discipline, or equivalent
- Specialist theoretical and practical knowledge of electromechanical control, control theory system design, hardware implementation, experiment design and implementation, computer aided design, use of MatLab, Simulink, LabView & Arduino coding.
- A comprehensive and up-to-date knowledge of the wider subject area or subject specialism
- Knowledge of specialist IT software (eg. Matlab, LabView, R, S-plus, SAS) as appropriate
- Knowledge of project-specific technical models, equipment or techniques
- (For appointment at grade 7) Normally Scottish Credit and Qualification Framework level 12 (PhD) or alternatively possess the equivalent in professional qualifications and experience, with experience of personal development in a similar or related role(s)

Essential skills:
- Electromechanical control, control system designtheory, hardware implementation, experiment design and implementation, computer aided design, use of MatLab, Simulink, LabView & Arduino
- Research creativity and cross-discipline collaborative ability as appropriate.
- Excellent communication skills (oral and written), including public presentations and ability to communicate complex data/concepts clearly and concisely
- Excellent interpersonal skills including team working and a collegiate approach
- Appropriate workload/time/project/budget/people management skills
- Extensive IT and data analysis/interpretation skills as appropriate.
- Self motivation, initiative and independent thought/working
- Problem solving skills including a flexible and pragmatic approach
- (For appointment at grade 7) Good Team Leadership skills

For further information on essential experience, key duties, tasks, and responsibilities, and to apply online, visit:

https://udcf.gla.ac.uk/it/iframe/jobs/

It is the University of Glasgow's mission to foster an inclusive climate, which ensures equality in our working, learning, research and teaching environment. We strongly endorse the principles of Athena SWAN, including a supportive and flexible working environment, with commitment from all levels of the organisation in promoting gender equity.

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