

Job Description

Job title	Post-Doc Research Fellow – Health Monitoring and Risk Assessment of Structures
School / department	School of Computing and Engineering
Grade	6
Line manager	Executive Dean of the School
Responsible for	N/A

Main purpose of the job

The post holder will contribute significantly to research, enterprise development and commercial training in appropriate sub-discipline(s) within the School. This will include, contributing significantly to develop and prepare bids for obtaining externally funded research projects.

The post holder will also be expected to deliver undergraduate and postgraduate modules within the School of Computing and Engineering commensurate with technical knowledge and prior experience.

Key areas of responsibility

- 1) Contribute significantly to research, enterprise development and commercial training in the area of Health Monitoring and Risk Assessment of Structures (ability to produce high quality peer reviewed scientific papers is essential).
- 2) Contribute to successful new research fund raising activities of the School (preparation and submission of research bids to funding bodies).
- 3) Assist the Executive Dean of the School and the School's Head of Research and Enterprise in developing School's research and enterprise activities.
- 4) Support School in preparation for the forthcoming REF and supporting current cohort of PhD students in their studies.
- 5) Teach an appropriate mix of undergraduate and postgraduate courses within the School of Computing and Engineering at UWL commensurate with technical knowledge and prior experience.
- 6) Supervise and manage student projects at undergraduate and postgraduate level as appropriate.
- 7) Keep abreast of relevant technical developments and to undertake self-development by participation in the University staff appraisal scheme and in-service training programme, as appropriate.
- 8) Contribute to community and business engagement activities of the School.
- 9) Contribute to activities which promote the School of Computing and Engineering locally, nationally and internationally.

10) In addition to the duties above, to perform other tasks assigned by the line managers.

Person Specification

CRITERIA	ESSENTIAL	DESIRABLE
Qualifications:	PhD in a relevant field	Membership of an appropriate professional body Fellow of Higher Education Academy PG Certificate in HE (or willingness to enrol on PGCHE programme at UWL)
Knowledge and Experience:	Evidence of ability to teach relevant subjects at both undergraduate and postgraduate level in higher education Experience of submitting and obtaining research grants Experience of collaborating with industry Established measurable research track record with appropriate outputs within the discipline Demonstrated knowledge and experience of working within the field of Structural Health Monitoring and Risk Assessment Excellent knowledge of numerical and mathematical modelling and simulation techniques.	Experience of module / course management or development
Specific Skills:	Demonstrable ability to undertake research and consultancy work in a relevant field and to agreed targets Evidence of scholarly activity in the form of recent publications (not submitted or under development) Ability to teach on undergraduate and postgraduate courses Ability and willingness to contribute to team teaching and research Practical laboratory skills relevant to the subject area	Evidence of consultancy and/or professional practice

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Essential Criteria are those, without which, a candidate would not be able to do the job. Applicants who have not clearly demonstrated in their application that they possess the essential requirements will normally be rejected at the shortlisting stage.

Desirable Criteria are those that would be useful for the post holder to possess and will be considered when more than one applicant meets the essential requirements