

PERSON SPECIFICATION
Research Associate in Condition Monitoring and Control (AIRS-NFM)
Vacancy Ref: A3388

Criteria	Essential/ Desirable	* Application Form/ Supporting Statements/ Interview
Interest and experience in researching the use of digital twin for performance assessment.	Essential	Interview/supporting statements
Evidence of strong intellectual and analytical skills, including the ability to engage effectively with new research challenges, and to derive new experimental and analytical methods necessary to meet the objectives of the project.	Essential	Supporting Statements
Experience of complex, collaborative experimental research projects with industry.	Essential	Supporting statements
The ability to handle and prioritise a wide portfolio of research-based responsibilities in a challenging environment.	Essential	Supporting statements
The ability to communicate effectively, both orally and in writing, especially refereed publications with which to gain the confidence of a wide range of people, including academic staff and international collaborators.	Essential	Interview/supporting statements
Excellent presentation skills.	Essential	Interview/supporting statements
An undergraduate degree or equivalent, preferably in an Engineering discipline.	Essential	Application form
A PhD in a discipline of relevance to condition monitoring or applied systems control	Essential	Application form
A willingness to travel to attend meetings, conferences and overseas, and to work on site in industry from time to time.	Essential	Interview
Experience in sensor technology, signal processing and data driven modelling, and in using embedded data acquisition systems and software programming	Desirable	Supporting Statements/Interview
Post-doctoral experience in relevant discipline	Desirable	Application form
Proficient user of IT, including MS Office, MATLAB, CAPTAIN software, LabVIEW, FPGA, and machine learning algorithms.	Desirable	Interview/Application form

- **Application Form** – assessed against the application form, curriculum vitae and letter of support. Applicants will not be asked to answer a specific supporting statement. Normally used to evaluate factual evidence eg award of a qualification. Will be “scored” as part of the shortlisting process.
- **Supporting Statements** - applicants are asked to provide a statement to demonstrate how they meet the criteria. The response will be “scored” as part of the shortlisting process.
- **Interview** – assessed during the interview process by either competency-based interview questions, tests, presentation etc.