

PERSON SPECIFICATION
Research Associate for the '5GEM' Programme
Vacancy Ref: A3034

Criteria	Essential/ Desirable	Application Form / Supporting Statements/ Interview *
An MEng / MSc in Electrical Engineering, Computer Science, Control Engineering or other relevant engineering / scientific subject.	Essential	Application Form
A PhD in a subject relevant to the field of automation, developing and implementing control algorithms, signal processing.	Essential	Application Form
A sound knowledge of control systems and concepts such as signal processing / digital integration / feedback control	Essential	Supporting Statements/ Interview
Evidence of ability in designing control systems and implementing feedback solutions for detection / control / classification	Essential	Application Form / Supporting Statements / Interview
Able to work collaboratively and as part of a team	Essential	Interview
Demonstrated ability learn new analytical and experimental techniques through self-directed learning	Essential	Supporting Statements/ Interview
Initiative, particularly with respect to experimental planning and direction	Essential	Supporting Statements / Interview
Good verbal, communication and interpersonal skills	Essential	Application Form/ Interview
Willingness to travel to the Republic of South Korea to discuss results and demonstrate finding to Korean collaborators.	Essential	Interview
Knowledge of Welding technologies and associated KPI's / defects	Desirable	Application Form/Interview
Experience in some level of programming languages such as Python, C++, Java etc.	Desirable	Application Form/ Interview
Previous post-doctoral experience in simulation and experimentation	Desirable	Application Form/ Interview
Ability to provide supervisory input to PhD students undertaking their research at the National Structural Integrity Research Centre.	Desirable	Supporting Statements / Interview

- **Application Form** – assessed against the application form, curriculum vitae and letter of support. Applicants will not be asked to make a specific supporting statement. Normally used to evaluate factual evidence e.g. award of a PhD. Will be “scored” as part of the shortlisting process.
- **Supporting Statements** - applicant 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.