

**PERSON SPECIFICATION**

**Research Associate in Materials Engineering (Capture γ-ray Assessment in Nuclear Energy)**

**Vacancy Ref:**

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| **Criteria** | **Essential/ Desirable** | **\* Application Form/ Supporting Statements/ Interview** |
| Experience in the design, manufacture, characterisation and testing of materials, with evidence of the ability to use numerical processes to aid optimisation of material performance and structure. | Essential | Interview/supporting statements |
| Strong intellectual, analytical and practical skills, including the ability to engage effectively with new research challenges, deriving new experimental/analytical methods to meet the objectives of the project. | Essential | Supporting Statements |
| Experience of complex, collaborative experimental research projects. | 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 orally and written, evidenced by a track record of high-quality refereed papers, for academe and industry. | Essential | Interview/supporting statements |
| Excellent presentational skills. | Essential | Interview/supporting statements |
| An undergraduate degree or equivalent, in an Engineering, Physics or a Mathematical discipline. | Essential | Application form |
| A PhD in a discipline of relevance to materials design, manufacturing and characterisation. | 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 |
| Post-doctoral experience in the design, manufacture and characterisation of macro porous materials. | Desirable | Application form |
| Proficient user of IT, including MS Office applications and, e.g., Matlab, Solidworks, ANSYS etc. | Desirable | Interview |

* **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.