

**PERSON SPECIFICATION**

**RESEARCH ASSOCIATE /SENIOR RESEARCH ASSOCIATE**

| Criteria | Essential/ Desirable | Application Form/ Supporting Statements/ Interview\* |
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| Experience of computer programming for analytic and/or numerical models in a modern programming language | Essential | Supporting Statements/Interview |
| A PhD in quantitative volcanology, granular flows, or a related discipline | Essential | Application Form |
| Experience of quantitative research such as study design, managing projects, quality assuring and analysing and interpreting data | Essential | Supporting Statements/Interview |
| Excellent communication skills; able to communicate with internal and external researchers at all levels | Essential | Supporting Statements/Interview |
| Publications record appropriate to stage of career including first author research publications in peer-reviewed journals | Essential | Application Form |
| To convey an appropriate rationale and interest in applying for this post | Essential | Interview |
| Effective interpersonal skills including evidence of working collaboratively within a team and providing appropriate guidance for colleagues | Desirable | Interview |
| Experience in mass or heat transfer flow modelling and/or experience with high performance computing | Desirable | Supporting Statements/Interview |
| Experience in performing laboratory analogue experiments and/or associated techniques (e.g., fluidized beds, image analysis, high-speed videography) | Desirable | Supporting Statements/Interview |
| Knowledge of other science areas related to the post (e.g., fluidization, (granular) rheology, pyroclasts and magma fragmentation) | Desirable | Supporting Statements/Interview |

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* **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 eg 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.