

PERSON SPECIFICATION

Ref: A2773

| Criteria | Essential/ Desirable | Application Form/ Supporting Statements/ Interview* |
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| A good understanding of basic semiconductor physics concepts, particularly with respect to narrow bandgap III-V Arsenide and Antimonide materials and their potential for use in infrared optoelectronics. | Essential | Supporting Statements/Interview |
| Specific understanding of the theory behind resonant cavity enhanced detectors and InAs/InAsSb strained layer superlattices. | Essential | Supporting Statements/Interview |
| First-hand knowledge and experience in the growth of antimonide alloys and infrared detectors by MBE. | Essential | Supporting Statements/Interview |
| First-hand knowledge and experience in the cleanroom based fabrication of superlattice detectors. | Essential | Supporting Statements/Interview |
| Experience in the optoelectronic characterisation of infrared detectors. | Essential | Supporting Statements/Interview |
| PhD in Physics or a similar subject. | Essential | Application Form |
| Be an effective communicator with good inter-personal skills and a strong command of English. | Essential | Application Form / Interview |
| The ability to co-operate with others and work as part of a team, including with industrial partners. | Essential | Supporting Statements |
| Be enthusiastic, well-organised and capable of working independently to drive project progress. | Desirable | Supporting Statements |
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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.