## PERSON SPECIFICATION

**Senior Research Associate/ Research Associate** in fabrication of novel millimetre wave traveling wave tubes for high data rate wireless networks

Ref: A2329

<table>
<thead>
<tr>
<th>Criteria</th>
<th>Research Associate</th>
<th>Senior Research Associate</th>
<th>Application Form/ Supporting Statements/ Interview*</th>
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</thead>
<tbody>
<tr>
<td>PhD in Electronic or Mechanical Engineering or in a relevant discipline or evidence of industrial experience in the field</td>
<td>Essential</td>
<td>Essential</td>
<td>Application Form</td>
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<tr>
<td>Experience in vacuum electronic devices and related technology, including assembly, high voltage and testing</td>
<td>Essential</td>
<td>Essential</td>
<td>Supporting statements/ Application Form/ Interview</td>
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<tr>
<td>Proficiency in mechanical and micromechanical design, including 3D mechanical CAE/CAD (Solidworks, Cadcam), and experience in fabrication, preferably related to millimetre wave vacuum electron devices</td>
<td>Essential</td>
<td>Essential</td>
<td>Supporting Statements/ Interview</td>
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<tr>
<td>Knowledge of 3D electromagnetic simulators (CST, HFSS, Magic3D) related to millimetre wave vacuum electron devices</td>
<td>Essential</td>
<td>Essential</td>
<td>Supporting Statements/ Interview</td>
</tr>
<tr>
<td>To convey an appropriate rationale and interest in applying for this particular post.</td>
<td>Essential</td>
<td>Essential</td>
<td>Application Form</td>
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<tr>
<td>Ability to meet deadlines, plan and prioritise tasks in the working environment</td>
<td>Essential</td>
<td>Essential</td>
<td>Supporting statements/ Interview</td>
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<tr>
<td>Effective interpersonal skills including evidence of working collaboratively and flexibly within a team</td>
<td>Essential</td>
<td>Essential</td>
<td>Supporting statements/ Interview</td>
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<tr>
<td>Ability to effectively present both orally and written information and to write journal papers.</td>
<td>Desirable</td>
<td>Essential</td>
<td>Application Form/ Supporting statements</td>
</tr>
<tr>
<td>Outstanding publication record in peer-reviewed journals in the fields related to the project</td>
<td>Desirable</td>
<td>Essential</td>
<td>Application Form</td>
</tr>
</tbody>
</table>

*  
  - **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** - 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** - applicants are assessed during the interview process by competency based questions and presentations.