**Job Title:** Senior Research Associate in High Power RF Engineering (Cockcroft Institute)  
**Grade:** 7P

<table>
<thead>
<tr>
<th>Department/College:</th>
<th>Engineering</th>
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<tbody>
<tr>
<td>Directly responsible to:</td>
<td>Prof Graeme Burt</td>
</tr>
<tr>
<td>Supervisory responsibility for:</td>
<td>N/A</td>
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</tbody>
</table>

**Other contacts**

**Internal:**
All Lancaster Cockcroft staff and students

**External:**
All Cockcroft staff, collaborators at CERN plus industrial partners.

**Major Duties**

1) To assist in the development of high efficiency klystrons,

This will include:

- Design of Klystrons using space charge codes
- Development of new simulation codes for high efficiency klystrons
- Develop further understanding of the physics of klystrons to increase efficiency
- Publication in peer reviewed journals