**JOB DESCRIPTION**

Research Technician, Grade 6  
Vacancy Ref: N2481

<table>
<thead>
<tr>
<th>Job Title:</th>
<th>Research Technician</th>
<th>Present Grade:</th>
<th>6S</th>
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<tbody>
<tr>
<td>Department/College:</td>
<td>Engineering</td>
<td></td>
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<tr>
<td>Directly responsible to:</td>
<td>Prof. Claudio Paoloni</td>
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<tr>
<td>Supervisory responsibility for:</td>
<td>N/A</td>
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**Other contacts**

**Internal:**
Members of the traveling wave tube research teams. Technical staff. Other academic, technical and research staff in the Engineering Department as appropriate.

**External:**
Project partners, equipment manufacturers and suppliers, service engineers and specialist contractors. External users of equipment.

**Major Duties:**

- To support the mechanical fabrication, assembly and testing of mechanical parts and systems to produce electronics devices, such as traveling wave tubes, passive components etc. with the required precision and accuracy.
- To support, in case with specific training, fabrication and assembly by welding including laser welding, diffusion bonding, brazing and any other mechanical process for advanced manufacturing of metal parts.
- To prepare and test materials. Also in the case training will be offered for use of microscopes, furnaces, sample preparation equipment, chemical process for cleaning.
- Undertake where appropriate, maintenance of equipment & management of resources (materials, metals, tools).
- Liaise with suppliers and contractors on the servicing, repair and testing of lab. & workshop equipment.
- To maintain the store for areas of responsibility to enable efficient use of the facility and be flexible for changeover between projects.
- Maintain up-to-date records of maintenance and testing of equipment.
- Assist with the sourcing and stock control of materials, consumables and equipment.
- To evaluate and test new equipment under consideration for use in the laboratories and workshops.

**Health & safety:**

- To ensure compliance with all relevant health & safety requirements whilst undertaking duties.
- To ensure that the mechanical laboratory users comply with relevant aspects of health & safety requirements and guidelines.
- To ensure that allocated areas are kept in good order and that safety devices are in place and operational.
- To ensure that all waste produced is disposed of in accordance with departmental and university procedures.

**General duties:**
• To assist with the raising of purchase orders, ensuring compliance with University financial regulations.
• To work co-operatively with the other members of the technician team in support for all the aspects of the research projects.
• To undertake any other duties as required, commensurate with the grade or below as directed by the research leader Prof. Claudio Paoloni.
• To undertake personal and professional development in accordance with the post requirements.
• To support engagement and dissemination activities.