JOB DESCRIPTION

Vacancy Ref: A3074

<table>
<thead>
<tr>
<th>Job Title:</th>
<th>Research Associate in Simulating Radiation Damage in Materials</th>
<th>Present Grade:</th>
<th>6</th>
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<tbody>
<tr>
<td>Department/College:</td>
<td>Engineering Department</td>
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<td>Directly responsible to:</td>
<td>Dr. Samuel Murphy</td>
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<tr>
<td>Supervisory responsibility for:</td>
<td>Research Students, UG Project Students</td>
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Other contacts

Internal:
Professor Colin Boxall, Professor Malcolm Joyce, academic staff and PDRAs in the Engineering, Chemistry & Physics Departments and the Materials Science Institute.

External:
Dr. Jean-Paul Crocombette, CEA-Saclay

Major Duties:

1. Support and undertake research activities necessary to achieve the objectives of the Leverhulme Funded project entitled “The role of electrons on the evolution of radiation damage in matter”, said research to include laboratory investigations, literature and database searches in one or more of the following areas: molecular dynamics, radiation damage and electronic stopping.

2. Contribute to the planning, development & writing of research publications and research / progress reports or disseminate research findings using other appropriate media.

3. Contribute to the making of presentations at conferences and to funding bodies (both internal and external) or exhibit work at other appropriate events.

4. Support the co-ordination, administration and supervision of research students within the Department.

5. To promote the research activities of the Engineering Department and the Materials Science Institute within the University.

6. To contribute to teaching activities supportive of the strategic and academic objectives of the Engineering Department.