**JOB DESCRIPTION**  
Senior Research Associate  
Vacancy Ref: A2068

<table>
<thead>
<tr>
<th><strong>Job Title:</strong></th>
<th>Senior Research Associate – Designing Internet of Things for Children</th>
<th><strong>Present Grade:</strong></th>
<th>7P</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Department/College:</strong></td>
<td>School of Computing and Communications</td>
<td><strong>Present Grade:</strong></td>
<td>7P</td>
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<tr>
<td><strong>Directly responsible to:</strong></td>
<td>Dr Bran Knowles (Data Science Institute, Lecturer)</td>
<td><strong>Supervisory responsibility for:</strong></td>
<td>N/A</td>
</tr>
</tbody>
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**Other contacts**

- **Internal:** Co-Investigators and other researchers within the PETRAS hub. Other academic and support staff in SCC and ImaginationLancaster, along with ISS and central administration.
- **External:** PETRAS Hub partners in academia, industry and government. Research funding bodies, professional bodies, media and press office contacts.

**Major Duties:**

1. Undertake research and development necessary to achieve the goals of the PETRAS Hub and Lancaster University’s responsibilities within the project.
2. Conduct research into the BBC micro:bit (and similar IoT devices) to develop technological and policy guidelines for developing IoT tools for children.
3. Organise and deliver co-design workshops with children.
4. Develop use scenarios and design requirements to produce a catalogue of micro:bit components to redesign.
5. Schedule, conduct and analyse interviews with stakeholders to understand technical components of the micro:bit that raise privacy and security concerns in regards to use scenarios.
6. Collaborate with other Lancaster researchers, partner academic institutions together with users and partners from various industrial sectors and NGOs to develop policy guidelines.
7. Participate in hub meetings; prepare and present talks, posters and reports to disseminate the results of the research.
8. Prepare progress reports and deliverables.
9. Participate in national and international conferences and workshops to present the results of the research to a wider audience and to learn about current advances in the field.
10. Prepare conference and journal papers for publication of research findings.
11. Undertake any other duties appropriate to the grade and role as delegated by the Principal Investigator.