

**JOB DESCRIPTION**  
**Research Associate: Chatty Factories**  
**Vacancy Ref: A2903**

<b>Job Title:</b> Research Associate: Chatty Factories	<b>Present Grade:</b> 6
<b>Department/College:</b> Lancaster Institute for the Contemporary Arts (Design)	
<b>Directly responsible to:</b> Dr Daniel Richards	
<b>Supervisory responsibility for:</b> None	
<p><b>Other contacts</b></p> <p><b>Internal:</b> Colleagues and students in ImaginationLancaster, Lancaster Institute for the Contemporary Arts and the Faculty of Arts and Social Sciences, and the Data Science Institute together with colleagues in other faculties, Research Support Office and other relevant university actors.</p> <p><b>External:</b> Partners and stakeholders in the Chatty Factories project, the EPSRC, professional bodies, employers, business organisations, local and UK government organisations, academic and research networks.</p>	
<p><b>Major Duties:</b></p> <p>This primary goal of this project is to imagine, develop and evaluate new kinds of data-driven design tools in collaboration with the members of the wider project team at different institutions. Specifically, the sense making of IoT data streams and data analytics are performed by Edinburgh and Cardiff Universities, and researchers at Nottingham University will explore robot assembly of product designs. The role of this RA is to design, prototype and test novel computer-aided design tools/techniques to explore how new streams of IoT-based product use data can be used to enhance product design cycles.</p> <p>The major duties of the research associate are:</p> <ol style="list-style-type: none"> <li>1. To work with the research associates at the partner institutions and academic staff to design and test the novel prototypes.</li> <li>2. To apply design and technical expertise (where needed) to develop research prototypes that support the research goals.</li> <li>3. To work with other research associates to incorporate user feedback, feedback from project partners / advisory board and evaluation within the iterative design cycle.</li> <li>4. To analyze and synthesize study results and develop appropriate dissemination material for the various dissemination activities.</li> <li>5. To participate in Chatty Factories project meetings as well as meetings with external partners. Tasks to include preparation and presentation of talks, writing of reports, and active participation in discussions.</li> <li>6. To write high-quality conference and journal articles suitable for submission in appropriate conferences and journals.</li> </ol>	