

**JOB DESCRIPTION**

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| **Job Title:** Senior Research Associate | **Present Grade:** 7 |
| **Department/College:** School of Computing and Communications | |
| **Directly responsible to:** Prof Steve Hodges, Prof Joe Finney | |
| **Supervisory responsibility for:** | |
| **Other contacts**  **Internal:**  Staff and students in SCC and the university.  **External:**  Academic collaborators at UK universities (including Bristol, Oxford, Nottingham, Bath and Cambridge), overseas universities (including Georgia Tech, Carnegie Mellon, Washington and MIT), and industry partners (such as the Micro:bit Educational Foundation, Microsoft and Altium). | |
| This role will involve working collaboratively as part of a world-renowned research team researching a variety of innovative interactive device and physical computing technologies and artifacts.  **Major Duties:**   1. Solving open research issues in interactive and embedded devices and physical computing to meet project goals. Conducting research, including developing and evaluating device hardware and firmware, and disseminating the findings in one or more of the following areas:    1. New physical computing solutions that drive engagement, support learning and empower users to be creative with digital technology.    2. Interactive and embedded devices that address specific real-world problems.    3. Understanding of the difficulties of scaling device prototypes to conceptualize, develop and evaluate new tools and techniques that support this process. 2. Contributing to research activities that lead to high quality and impactful research into interactive devices and tools, supporting dissemination and impact. Working in close collaboration with others in the university and with other academic and industry partners.    1. Participating in project meetings and engagement with collaborators.    2. Preparing and presenting project updates and talks.    3. Assisting other team members developing new interactive devices and tools, and working towards dissemination and adoption of these.    4. Writing and contributing to workshop, conference and journal papers for publication.    5. Making presentations and exhibiting work inside the university and externally at conferences and other appropriate events. 3. Contributing to development of co-workers by sharing skills, knowledge and expertise. Supervising and co-supervising undergraduate and postgraduate projects. 4. Any other duties appropriate to the grade, as directed by the academic leads of the work. | |