

JOB DESCRIPTION

Vacancy Ref: A2712-R

Job Title:	Senior Research Associate (FIXIE)	Present Grade:	7
Department/College:	School of Computing and Communications		
Directly responsible to:	Dr David Bowes		
Supervisory responsibility for:	None		
Other contacts			
Internal:			
Professor Tracy Hall (PI of the Fixie project)			
Staff and Students at the University			
External:			
Collaborators/partners working on Fixie project			
Major Duties:			
<ol style="list-style-type: none"> 1. Undertaking research necessary to achieve Lancaster University's aims within the EPSRC-funded "Fixie: Exploiting Defect Prediction for Automatic Software Repair" project. More specifically, to assist in the investigation of human issues relative to software developers making use of automated code repair techniques. It is anticipated that the successful candidate will apply a range of quantitative and qualitative research methods within the project's industrial collaborators to identify important factors relevant to the design of acceptable tools for developers. The main work associated with this role will be understanding software developers' attitudes to the tools that they use and to automating some of the coding work that they currently do by hand. 2. Leading the collaboration, planning, development, and publication of our work within Fixie. 3. Participating in project meetings; preparing and presenting of talks, posters and reports to disseminate the results of the research. 4. Preparing progress reports for project meetings describing the results of the project. 5. Participating in national and international conferences and workshops to present the results of the project to a wider audience and to learn about current advances in the field. 6. Preparing conference and journal papers for publication of project findings. 7. Participating in writing new research proposals that build on the expertise developed in this project. 8. Any other duties appropriate to the grade, as directed by the Principal Investigator or his representative. 			