

JOB DESCRIPTION

Vacancy Ref: A1809

Job Title: AffecTech Early Stage Researcher #3	Grade: Off-scale
Department/College: School of Computing and Communications	
Directly responsible to: Dr Corina Sas	
Supervisory responsibility for: None	
<p>Other contacts</p> <p>Internal:</p> <p>Internal: Research Associates in the AffecTech Innovative Training Network; Staff and Students at Lancaster University</p> <p>External:</p> <p>External: Collaborators/partners working on the AffecTech Innovative Training Network</p>	
<p>Major Duties:</p> <ol style="list-style-type: none"> 1. To design and develop novel interactive technologies supporting emotional regulation in depression and anxiety through neurofeedback. More specifically, the developed prototypes will integrate wearable biosensors and electronic hardware for capturing mindfulness states through respiration and electroencephalography (EEG) measurements, and for mapping them for real time feedback using haptic actuators. 2. To address research questions such as what respiration and EEG measures can be accurately captured with wearable sensors, which such measures are also powerful neural and physiological of mindfulness and emotion regulation, and what feedback design does best capture such measures. 3. To collaborate with AffecTech industrial and research partners and complete the outlined deliverables. 4. To provide informal assistance, together with Dr Corina Sas, to a small group of UG & PG students working in the area. 5. To participate in project meetings; preparation and presentation of talks, posters and reports to disseminate the research outcomes. 6. To contribute to the writing of technical project deliverables on behalf of Lancaster. 7. To contribute to the high profile of the research team through excellence in research, authorship of publications and participation in dissemination of research and development results. 8. Any other duties appropriate to the grade as delegated by Dr Corina Sas. 	