School of Engineering & Informatics  
Department of Engineering and Design  
Project Assistant (Fixed term for 1 month, extensible to 3 months, full time)  
Salary range: starting at £16,289 to £17,399 per annum  
Expected start date: 1 March 2017  

The Wearable Computing Group is looking for a reliable and committed project assistant to perform data collection with mobile phones while engaging in different modes of transportation. The successful candidate will work in a project based in the Wearable Computing Group within the Sensor Technology Research Centre at the University of Sussex, as part of a dedicated and talented team.

In this full time role, you will make use of different modes of transportation every day (bike, bus, train, subway, car, bicycle, and also walking, and running) following meticulously a predefined schedule. At the same time as you execute this schedule you will carry 4 mobile phones and a body-worn camera which will run a data collection application. You will have to annotate on this application which of the transportation activity you are currently performing. This annotation is done by simply selecting from a menu on the phone which is your current transportation mode each time you change from one to another. This task must be executed precisely to deliver high quality data. The data collection will take place South East and primarily in the Brighton-London corridor.

You will regularly (once a day or more in case of issues) report to the project coordinator. Once a week you will work at the University to visualize the images taken from the body-worn camera to verify the annotations recorded during the week.

You will be required to be literate in using a mobile devices (e.g. using apps and calling or sending text messages). You should also have good organisational and interpersonal skills.

Skills and abilities required:

- Ability to do moderate physical activity (run/walk/bike) and regular use of a car, either as a driver or a passenger as an essential method of collecting the project data.
- Able to use a mobile device, including using apps, calling or sending text messages
- Have attention to detail and complete tasks with precision
- Good organisational skills
- Ability in executing work following an agreed planning and meet priorities and deadlines

Personal attributes:

- Reliability, honesty and a commitment to maintain confidentiality
- Willingness and ability to do routine work
- Friendly and approachable

The position is initially for 1 month as we are trialling the data collection protocol and infrastructure. If the protocol and technical infrastructure is robust this position may be extended to 3 months. Contact Dr Daniel Roggen (d.roggen@sussex.ac.uk) for further details.

Successful candidates will be GCSE (or equivalent) educated. You will be appointed within the Department of Engineering and Design, working with the research team lead by Dr Daniel Roggen. For any further information and inquiry contact Dr Daniel Roggen (d.roggen@sussex.ac.uk)

More information about the Sensor Technology Research Centre: http://www.sussex.ac.uk/strc

More information about the Wearable Technologies Lab: http://www.sussex.ac.uk/strc/research/wearable

Closing date for applications: 15 February 2017

For full details and how to apply see www.sussex.ac.uk/jobs

The University of Sussex is committed to equality of opportunity.
2. **Senior leadership and management**

The Vice-Chancellor (Professor Adam Tickell) is the senior academic officer and, as Chief Executive, is responsible to the University Council for management of the University. He is supported by an executive group which includes the three Pro-Vice-Chancellors, the Registrar and Secretary, the Director of Finance and the Director of Human Resources. The Heads of the Schools of Studies at Sussex report to the Pro-Vice-Chancellors.

The Registrar and Secretary heads the Professional Services of the University. In addition, under the University Statutes, the Registrar and Secretary is Secretary to the University Council. The Director of Finance reports to the Vice-Chancellor. The Director of ITS reports to the Registrar and Secretary, and the Librarian reports to one of the Pro-Vice-Chancellors.

3. **The School / Division**

The School of Engineering and Informatics covers the disciplines of computer, electrical and electronic engineering, mechanical, and automotive engineering, product design, digital media, computer science and informatics.

Distinctive characteristics of the School are: creativity, interdisciplinarity, strong links with industry, and an international outlook in both research and teaching. £10m (£4.9m from HEFCE) is being invested in a new Computing, Robotics, Electronics and Mechatronics Centre (CREaM) as a result of a 60% surge in applications for the School’s degrees.

The School offers a range of undergraduate and postgraduate degrees in its areas of expertise, often in collaboration with other schools at Sussex, to create a distinctive focus that addresses the needs of industry, commerce and society. Examples include joint degrees with the MSc in Evolutionary and Adaptive Systems (EASY) that includes modules from the Schools of Engineering and Informatics and Psychology; and the MScs in Engineering Business Management, and Management of Information Technology, which were developed in collaboration with the School of Business, Management and Economics.

This interdisciplinary approach also applies to our research, with current and recent externally funded projects with researchers in a wide range of other subject areas including: geomorphology, media practice, medical imaging, neuroscience, anthropology, English literature, epidemiology, geography, international development, mathematics, psychiatry, psychology and sociology.

The School has strong links with industry, and has an established Strategic Advisory Board.

Innovative research across the School has led to a number of patents which are being commercialised including: novel electric potential sensors (EPS) licensed to Plessey Semiconductors and marketed as the EPIC sensor chip; and University spin-out companies, including TribeHive, which is deploying delay-tolerant networking to provide smartphone connectivity in large crowds, and TexRAD, which has developed software for the analysis of medical images and has recently demonstrated the ability to detect brain texture anomalies in Asperger’s Syndrome patients. These developments have been supported by the University’s Enterprise fund. The EPS sensor technology was awarded the IET Innovation award for ‘Measurement in Action’, and was shortlisted for two other IET categories and for a THES award.

The School is, for administrative purposes, comprised of two departments: the Department of Engineering and Design, and the Department of Informatics. Staff teach across the School, and undertake research on cross-School, as well as cross-University projects.

**The Department**

The Department of Engineering and Design has a strong reputation for excellence in research and teaching. Its research outputs were rated as 88%, and impact as 90% 4*/3* (world-leading/internationally excellent) in the REF 2014. In the 2014 NSS engineering students registered an 86% satisfaction level with respect to learning resources. Mechanical Engineering ranked 15th for graduate prospects, in the Complete University Guide 2015 and an overall ranking of 18th in the just released 2016 Guardian University Guide; with Electrical Engineering ranked 14th for student satisfaction in the Complete University Guide 2014.
The Department’s students won the automotive category of the Telegraph UK STEM Awards 2014 sponsored by McLaren Group (link to video).

Research activity is focused on mechanical engineering (turbomachinery, dynamics and control, and tribology); and electronic engineering (sensor technology, image and signal processing, and mobile digital communications). There are strong collaborations with industry, including Jaguar Land Rover, General Electric, Plessey Semiconductors and Meggitt Sensing Systems.

The Department’s research is organised into four groups:

- Dynamics, Control and Vehicle Research Group (www.sussex.ac.uk/dcv)
- Industrial Informatics and Signal Processing Research Group (http://www.sussex.ac.uk/iisp/)
- Sensor Technology Research Centre (www.sussex.ac.uk/strc/)
- Thermo-Fluid Mechanics Research Centre (http://www.sussex.ac.uk/tfmrc/)

The Department currently has 495 undergraduate students, 62 taught postgraduate students, and 43 postgraduate research students.

Detailed information about the Department can be found at www.sussex.ac.uk/engineering
Job Title: Project Assistant
Grade: 2
School: Engineering and Informatics
Department: Engineering and Design
Location: University of Sussex Campus
Responsible to: Dr Daniel Roggen

Purpose of the post:
The position involves collecting sensor data from different transportation/locomotion scenarios using mobile devices to create a reference benchmark dataset as part of a contribution to an ongoing research project.

The post-holder will be part of a data collection campaign which will entail the collection and meticulous annotation of sensor data. The post-holder will be expected to be committed and responsible, in order to follow a predefined data collection plan rigorously. The data collection plan will involve making use of different modes of transportation in a daily basis while carrying several data collection devices.

The post-holder will have to collect and label sensor data and also will report regularly to the project coordinator. The post-holder should also have good organisational and good interpersonal skills.

The post-holder will work closely with Dr Daniel Roggen and members of the wearable technologies and sensor technology research centre.

Key Responsibilities:

1. Use ad-hoc software to collect sensor data when travelling using different modes of transportation
2. Annotate collected sensor data using ad-hoc software
3. Use private/public transport on a daily basis
4. Follow a specific protocol to perform data collection sessions
5. Enter data into the system as required
6. Regular face to face meetings with project managers
7. Answer research questionnaires as required

This Job Description sets out current duties of the post that may vary from time to time without changing the general character of the post or the level of responsibility entailed.
**Person Specification**

UNIVERSITY OF SUSSEX

Person Specification for the post of:
Project Assistant

### SKILLS / ABILITIES

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**Willingness and ability to do routine work**

**Reliability, honesty and a commitment to maintain confidentiality**

**Willingness to do moderate physical activity (run/walk/bike, cycling)**

**Have attention to details and complete tasks with precision**

**Good organisational skills**

**Ability in scheduling and planning work in order to meet priorities and deadlines**

### KNOWLEDGE

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**Smartphone literate, ability to use a mobile device**

**Demonstrable IT skills – Word, Excel, email and internet packages**

### EXPERIENCE

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**Experience in collecting reference dataset**

### QUALIFICATIONS

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**GCSE (or equivalent) English and Maths A* - C**

**Educated to A level standard or equivalent.**

### PERSONAL ATTRIBUTES AND CIRCUMSTANCES

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**Regular use of a car, either as a driver or a passenger**

**Valid driver’s licence**

Date 23 January 2017