



## Job Description

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|---------------------------------|---|
| <b>Job Title</b>                | Research Fellow (Computer Vision)                   |
| <b>School/Service/Institute</b> | School of Digital, Innovation Technology & Business |
| <b>Normal Workbase</b>          | Stoke Campus  |
| <b>Tenure</b>                   | Fixed-Term 12 months                                |
| <b>Grade/Salary</b>             | Grade 7   |
| <b>FTE/Hours</b>                | 1.0 FTE   |
|                                 |   |

### Job Purpose

The purpose of this role is to lead research and innovation of novel computer vision techniques for Nature-First, a European Commission funded project, including proposing new computational models.

- This post is designed to investigate and research applications of deep learning models and to propose new computer vision techniques including object detection, classification, re-identification and counting, as well as maintain connections with our partners to ensure successful completion of the Nature-First project and instigate future collaborations, the post holder's main responsibilities will be:
- Undertake and lead research and evaluation activities for the School of Digital, Innovation Technology & Business
- To facilitate and support in data collection/ analysis leading to internationally excellent research outputs
- To engage in dissemination and public engagement activities
- To support in writing external/ competitive grant applications
- For a Research Fellow, to take a leading role in the above activities.

### Relationships

|                  |                         |
|------------------|-------------------------|
| Reporting to:    | Professor Mohamed Sedky |
| Responsible for: | None                    |

### Main Activities

- Contribute to development of research funding proposals
- To carry out high level research as directed in conjunction with senior academic staff

- To undertake data collection by a variety of methods
- Coordinate day-to-day research activities
- Perform statistical analyses
- To undertake literature searches
- Preparation of ethical submissions on behalf of the university (as appropriate)
- Liaise with external partner organisations (e.g., Sensing Clues, wild-life sites, third sector)
- To take responsibility for the collection, analysis and synthesis of data
- To prepare concise research reports and present data in a clear and logical manner
- To contribute to the dissemination of research outcomes/findings
- Leading role in the development of research funding proposals
- Manage day-to-day research activities
- Develop and maintain links with external partner organisations (e.g., Sensing Clues, wild-life sites, third sector)
- Lead role in report and paper writing
- Lead role in dissemination of research outcomes/findings

### **Special Conditions**

The postholder may be required to travel and represent the University in the UK and Overseas as required.

### **Professional Development**

The University will support and encourage the postholder to engage in continuous professional development activities through the YOURCareer@Staffs framework. This framework supports postholders to identify appropriate development opportunities. Continuing Professional Development (CPD) activity will be recognised by a bi-annual Performance and Development Review (PDR) discussion.

### **Variation to Job Description**

The University reserves the right to vary the duties and responsibilities of its employees within the general conditions of the Scheme of pay and conditions and employment related matters. Thus, it must be appreciated that the duties and responsibilities outlined above may be altered as the changing needs of the service may require.

### **Conditions of Service**

The postholder will be employed by Staffordshire University Services Limited.

Staffordshire University Services Limited is a wholly owned subsidiary company of Staffordshire University which recruits and provides both academic and professional support staff to the University. You will be subject to Staffordshire University's policies and procedures and will be eligible to participate in the Staffordshire University Pension Scheme.

### **Application Procedure**

We encourage applicants to apply on-line at our website <http://jobs.staffs.ac.uk> as the system is user friendly and simple to complete.

We ask that all applicants ensure that they have provided comprehensive information under each criterion in the Supporting Statements section of the application form and, if necessary, add any relevant additional information in the Additional Information Section.

The University will use anonymous application forms for this role; however, we recognise that applicants may want to include additional information. If you choose to upload any supporting documents that contain identifiable data, your application will no longer be considered anonymous.