



**JOB DESCRIPTION**

**Vacancy Reference: 0947-24**

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| **Job Title: *Artificial Intelligence & Software Engineering (KTP Associate*** | **Present Grade:** Off-scale |
| **Department/College: School of Computing and Communications** |
| **Directly responsible to: Dr Uraz Turker** |
| **Supervisory responsibility for:** None |
| **Other contacts**  |
| **Internal:***University*: Staff and postgraduate students in the School of Computing and Communications at Lancaster University; Research & Enterprise Services staff, in particular the Knowledge Transfer Partnerships (KTP) Service.Forsberg Services Ltd: all staff |
| **External:**  *Forsberg Services Ltd: clients* and stakeholders. *Innovate UK*: Knowledge Transfer Adviser |
| **Major Duties:**The Knowledge Transfer Partnership Associate will drive and lead a project which aims to develop an alternative navigation method “Visual Inertial Navigation System” to overcome limitations with GNSS technology, with the aim to provide a significant enhancement in UAV navigational accuracy.Key ResponsibilitiesUnder the supervision of academics from the School of Computing and Communications and the team at Forsberg Services Ltd, the Associate will:* Fully refine the remit of the KTP and the KPI’s for the project. You will do this following an initial period of familiarisation with the company and key stakeholders, and developing an understanding of Forsberg’s business and strategic ambition.
* Develop and refine AI algorithms tailored to enhance the accuracy and efficiency of visual-inertial navigation systems
* Facilitate the successful integration of AI technologies into existing workflows
* Develop expertise in methods for building trust in AI in relation to safety-critical industries
* Lead a weekly knowledge transfer programme at Forsberg
* Visit Lancaster monthly, to collaborate with the lead academic and the wider academic team
* Give presentations and seminars at Lancaster to colleagues and students
* Take full ownership of the KTP project, managing work plan delivery, timing, resources, budgeting, embedding and evaluation of outputs and the associated tangible benefits.
* Produce technical reports, reviews, and deliver presentations and webinars to inform key staff at LU and Forsberg of technical developments.
* Disseminate the key technical outcomes via attendance at conferences and the publication of papers in peer-reviewed journals.
* Manage the KTP project including maintenance of project plans, and organisation of project-related meetings.
* Actively manage a personal development plan and commit to any training required for the project.
* Proactively commit to continued learning, to ensure you remain abreast of the rapidly advancing fields of AI and machine learning.
* Liaise between Forsberg and the academic team.
* Occasionally at the request of supervisors, perform other duties to ensure the successful completion of the KTP.
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