

Candidate Information

Position: Research Fellow - AI for Autonomous Systems and Autonomous Vehicles
School/Department: School of Electronics, Electrical Engineering and Computer Science
Reference: 25/112930
Closing Date: Thursday 30 October 2025
Salary: £41,519 - £49,539 per annum
Duration: 2 Years

JOB PURPOSE:

To contribute to our research development of AI Models for Autonomous Vehicles, as well as other relevant research activities within our research group, Connected and Cooperative Autonomous Systems.

MAJOR DUTIES:

1. Conduct cutting-edge research in the use of advanced AI Tools and QUB's state-of-the-art Research Autonomous Vehicle platform to collaborate with our industry partners. This will entail both developing digital twins and physical proof-of-concept development, as well as conducting field tests.
2. Publish research results in top international journals and conferences that are actively relevant to the field. This will involve collaborating with our team of established academics, early-career researchers, research engineers, and our industry collaborators. The appointee will be required to undertake some national and international travel to participate in relevant project meetings and attend conferences.
3. In consultation with the project team, promote research milestones and outputs at national and international conferences and through social media,
4. Contribute to the preparation of funding proposals and applications to external bodies,
5. Carry out occasional educational supervision, demonstrating or lecturing duties within the post holder's area of expertise and under the direct guidance of a member of academic staff,
6. Undertake supplementary duties relevant to the success of the project, including administrative duties and additional training and development activities as required,
7. Plan own day-to-day activity within the framework of the agreed research programme.
8. Contribute to the planning of research projects, reports, publications, etc.
9. Assist PI and project team in organising relevant events.
10. Liaise regularly with project partners.

ESSENTIAL CRITERIA:

1. Have, or be about to obtain a PhD with relevant research in one of the following areas: Artificial Intelligence, Autonomous Vehicles/Systems.
2. Recent relevant experience to include:
 - Software development for real-world applications or simulation
 - Demonstrable Research background in one of the following areas: AI and Autonomous Vehicles/Systems.
3. Evidence of publication in top international journals and conferences.
4. Ability to contribute to broader management and administrative processes.
5. Contribute to the School's outreach programme by links with community groups etc.
6. Demonstrate practical problem-solving skills, independence of thought and initiative.
7. Proven ability to communicate complex information effectively in oral and written formats.
8. Proven ability to build relationships/develop internal and external networks.
9. Ability and desire to work in a team with minimal supervision.

DESIRABLE CRITERIA:

1. Experience of developing research proposals.
2. Experience in the management and administration of research projects.

ADDITIONAL INFORMATION:

Informal Enquiries to: Mehrdad Dianati - m.dianati@qub.ac.uk.