

# Postdoctoral Research Assistant

## Development of atomic magnetometers

<b>University of Strathclyde</b>	<a href="https://eqop.phys.strath.ac.uk/">https://eqop.phys.strath.ac.uk/</a>
<b>Salary Range:</b>	£33300 - £40900 per annum
<b>Closing Date</b>	Position left open till filled

### Job Advert

Applications are invited for the position of Postdoctoral Research Assistant in the Department of Physics to join the Experimental Quantum Optics and Photonics (EQOP) group, working with Prof. Erling Riis, Dr. Paul Griffin and Dr. Stuart Ingleby in the development of atomic magnetometry. The focus of this work will be the design, testing and commercialisation of novel atomic magnetometer devices in real-world applications such as geomagnetic surveying, magneto-cardiography and magneto-encephalography. The successful candidate will additionally take active roles in initiating and delivering collaborative projects with industrial partners, and supervision and mentoring of PhD students within the EQOP group. A high level of demonstrated technical expertise and experience in precision magnetometry and hardware design is desirable for this role.

As a Research Assistant, you will engage in individual and collaborative research, establishing a distinctive programme of research and disseminating results through regular publications in high impact journals, books and conference proceedings. You will participate in and develop external networks to foster research collaborations, to inform the development of research objectives and to identify potential sources of funding. You will develop knowledge exchange activities by establishing research links with industry and progressing the commercialisation and application of atomic magnetometry in real-world applications. You will identify and exploit intellectual property arising from your research.

To be considered for the role, you will be educated to a minimum of PhD level in an appropriate discipline, and have experience in atomic physics or magnetometry. You will have an ability to plan and organise research programmes, to ensure successful completion. You will have an ability to work within a team environment, including team leadership, and have excellent interpersonal and communication skills, with the ability to listen, engage and persuade, and to present complex information in an accessible way to a range of audiences.

For further information please contact Stuart Ingleby ([stuart.ingleby@strath.ac.uk](mailto:stuart.ingleby@strath.ac.uk)).