



OPPORTUNITY

Postdoctoral Research Associate

Reference: 0357-23

Grade: 8

Salary: £36,333 to £38,474 per annum, depending on experience

Contract Type: Fixed Term for up to 36 months

Basis: Full Time

Job description

Job Purpose:

To carry out research into polarisation dynamics of mode-locked fibre lasers and contribute to the growth of the group by enhancing reputation and fostering collaboration. In addition, to exploit external links with regional, UK and international bodies such as schools, colleges, professional bodies, business, and industry as appropriate.

Main Duties and Responsibilities

Research

- ▶ To carry out research in line with the project plan to which you are assigned, implementing novel ideas and planning associated research tasks novel ideas and contributing to the planning of associated research tasks.
- ▶ To develop research objectives, projects and proposals for personal/joint research programmes consistent with the priorities and strategy of AiPT, with the assistance of a mentor if required.
- ▶ Maintain accurate and traceable working records, including appropriate software version control and links to raw data
- ▶ Maintain a sufficient breadth or depth of specialist knowledge in the discipline, and of research methods and techniques to work within established and new research programmes
- ▶ To write up and publish the outcomes of research in top quality journals and conferences.
- ▶ Engage fully in Aston Universities Open Access and Open Data initiatives, optimising the format of data to be made accessible, and maintain an appropriate presence on the AiPT web pages and other electronic communication tools.
- ▶ To actively contribute to research initiatives with colleagues in and beyond the College as appropriate.
- ▶ To identify sources of funding, and fully support the development of further research proposals, contributing novel ideas, concepts and background material.

Teaching

- ▶ To undertake a limited amount of teaching with students at a range of levels, achieving good student feedback through critical reflective practice,
- ▶ To contribute to the assessment of student knowledge and the supervision of student projects.
- ▶ To assist in the development of student research skills.

External engagement

- ▶ Travel nationally and internationally to disseminate research output, participate in project meetings and activities and plan future research proposals.
- ▶ To represent the interests of the subject and School via activities to raise the regional, national and international profile, particularly with the professions, schools and businesses.
- ▶ To forge relationships with the professional bodies and other bodies representing relevant professional interests.

Citizenship

- ▶ To take part in the meetings and activities of AiPT and, on occasion, act as Chair of one or more activity, these responsibilities being equitably distributed across all staff.
- ▶ To demonstrate the University's leadership values through own actions and behaviour.
- ▶ To undertake such other duties as may be reasonably requested and that are commensurate with the nature and grade of the post.

Additional responsibilities

- ▶ Engage in continuous personal and professional development in line with the demands of the role, including undertaking relevant training and development activities to develop themselves and support the development of others.
- ▶ Ensure and promote the personal health, safety and wellbeing of staff and students.
- ▶ Carry out duties in a way which promotes fairness in all matters and which engenders trust.
- ▶ Promote equality of opportunity and support diversity and inclusion as well as working to support the University's environmental sustainability agenda and practices.

Person specification

	Essential	Method of assessment
Education and qualifications	PhD degree in fibre optics, laser physics or closely related field.	Application form
Experience	<p>Good recent publication record in international journals and high impact conferences including CLEO EUROPE, SPIE etc.</p> <p>Experience of design, experimental and theoretical characterization of mode-locked fibre lasers.</p> <p>Experience in characterisation of polarisation dynamics of mode-locked fibre lasers.</p> <p>Experience of the development of advanced signal processing algorithms.</p> <p>Experience of positive collaboration within and outside of candidate's immediate research team.</p>	Application form and interview
Aptitude and skills	<p>Ability to present data in both a clear and concise manner that is visually appealing.</p> <p>Ability to prepare written communications to a high standard</p> <p>Ability to harness IT as a research and teaching tool</p> <p>A willingness to undertake further training as appropriate and to adopt new procedures as and when required.</p> <p>Knowledge of the protection of intellectual property.</p>	Application form and interview

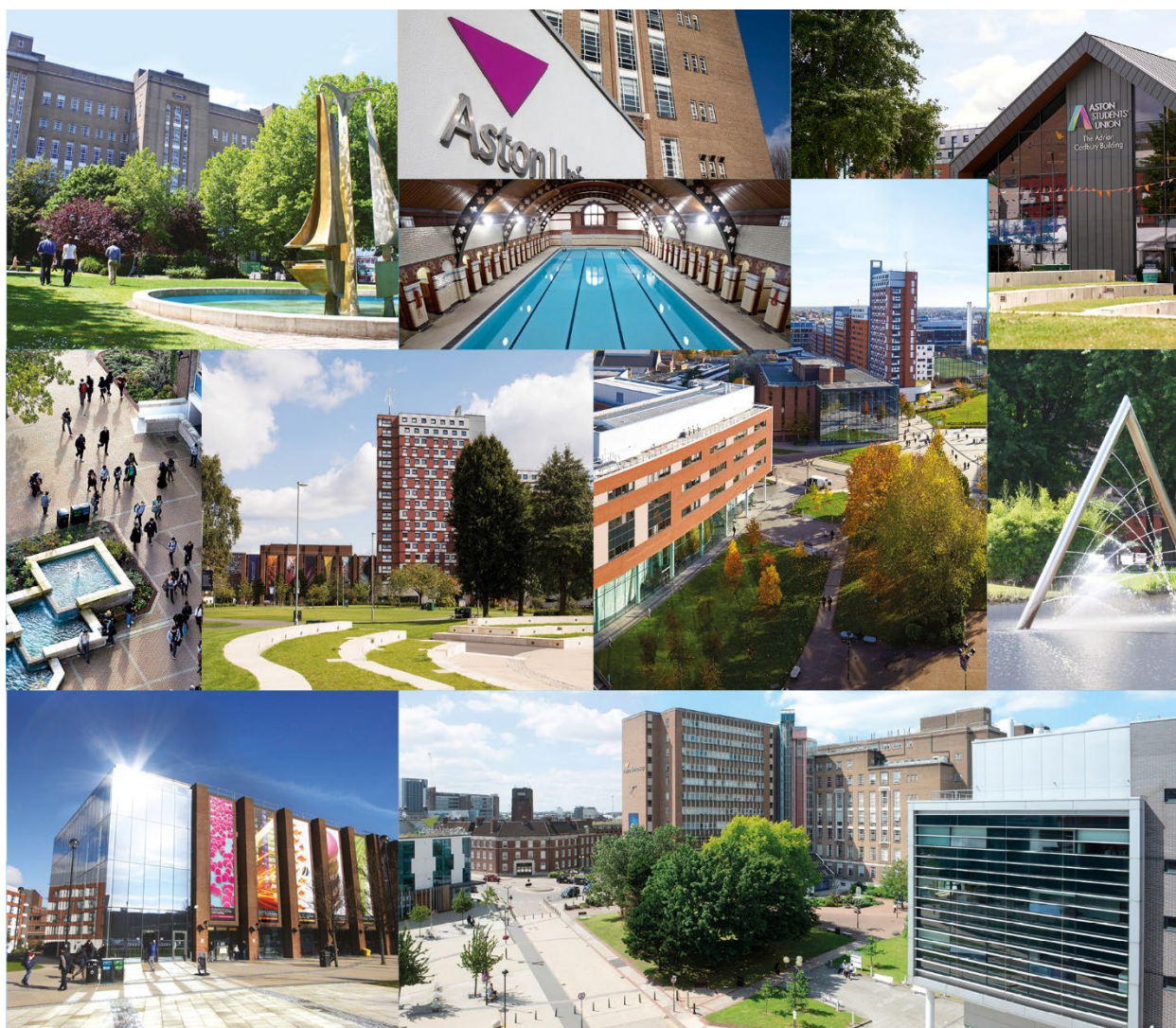
How to apply

You can apply for this role online via our website <https://www2.aston.ac.uk/staff-public/hr/jobs>.

Applications should be submitted by 23:59pm on the advertised closing date.
All applicants must complete an application form, along with your CV.

Any CV sent direct to the Recruitment Team and Recruiting Manager will not be accepted.

If you require a manual application form then please contact the Recruitment Team via jobs@aston.ac.uk.



Contact information

Enquiries about the vacancy:

Name: Sergey Sergeev

Job Title: Associate Professor

Email: s.sergeev@aston.ac.uk

Enquiries about the application process, shortlisting or interviews:

Recruitment Team via jobs@aston.ac.uk or 0121 204 4500.

Additional information

Visit our website <https://www2.aston.ac.uk/staff-public/hr> for full details of our salary scales and benefits Aston University staff enjoy

Salary scales: <https://www2.aston.ac.uk/staff-public/hr/payroll-and-pensions/salary-scales/index>

Benefits: <https://www2.aston.ac.uk/staff-public/hr/Benefits-and-Rewards/index>

Working in Birmingham: <https://www2.aston.ac.uk/birmingham>

Employment of Ex-Offenders: Under the Rehabilitation of Offenders Act 1974, a person with a criminal record is not required to disclose any spent convictions unless the positions they applying for is listed an exception under the act.

Eligibility to work in the UK:

New immigration system from 1 January 2021

A new immigration system has been introduced for people arriving in the UK from EEA countries with effect from 1 January 2021. In addition to those who have always required a visa, EU citizens who were not resident in the UK before 31 December 2021 will need to get a visa in advance.

You can find more information [here](#)

Candidates should check their eligibility to enter or remain in the UK in advance of making any job application via the [UKVI website](#). Before applying you should ensure that you meet the requirements, including meeting the English Language requirements. If you do not meet the eligibility criteria, any application for a work visa would be unsuccessful.

If you require a visa to work in the UK the most common types of visa are:

- Skilled Worker Visa <https://www.gov.uk/skilled-worker-visa>
- Global Talent Visa

If you are a leader or potential leader in one of the following fields you may be eligible to

apply for a Global Talent Visa:

- Academia or Research
- Arts and Culture
- Digital Technology

Please click the following link for further information and to check your eligibility for this visa. <https://www.gov.uk/global-talent>

Equal Opportunities: Aston University promotes equality and diversity in all aspects of its work. We aim to ensure, through our admissions policies for students, and our staff recruitment and selection processes that we encourage applications from all groups represented in the wider community at a local, national and international level.

The University will endeavour not to discriminate unfairly or illegally, directly or indirectly, against student or potential students, staff or potential staff. This commitment applies to all functions of the University and to any stage of an individual's career.

An Equal Opportunities Monitoring Form is included within the application form. Data you provide on the Equal Opportunities Monitoring Form will be included in a general database, for statistical monitoring purposes, enabling the University to monitor the effectiveness of its Policy, Codes of Practice and Guidelines on Equal Opportunities in Employment. Individuals will not be identified by name.

Data Protection: Your personal data will be processed in compliance with the Data Protection Act 2018 and the General Data Protection Regulation ((EU) 2016/679) ("GDPR"). The University's Data Protection Policy and Privacy Notices, including the Job Applicant Privacy Notice can be found at <https://www2.aston.ac.uk/data-protection>. Your application will only be used to inform the selection process, unless you are successful, in which case it will form the basis of your personal record with the University which will be stored in manual and/or electronic files. Information in statistical form on present and former employees is given to appropriate outside bodies.

Full details of our terms and conditions of service and associated policies and procedures are available online at <https://www2.aston.ac.uk/staff-public/hr/policies>

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**Where change
gets real.**