

Reference: R210074

Salary: £33,797 to £49,553 (Grade 8/9)

Contract Type: Fixed Term (5 years)

Basis: Full-Time

Closing Date: 28 March 2021

Interview Date: TBC

AIPT Senior Research Fellow



Candidate brief

Job description

Job Purpose:

To contribute to, develop and lead research activities in Optical Communication in the Aston Institute of Photonic Technologies either independently or as part of a team, through professional practice and expertise. In addition, to exploit external links with regional, UK and international bodies such as government agencies, schools, colleges, professional bodies, business and industry as appropriate to the Institute, College and/or University strategy.

Research Fellows will have an established research profile at least at a national level with evidence of a growing track record in internationally excellent and leading research publications as well as attracting research grant income appropriate to the discipline.

Main Duties/Responsibilities:

Research

- To supervise and manage research projects.
- To develop research objectives, projects and proposals for personal/joint research programmes consistent with the priorities and strategy of the Institute and College.
- To identify sources of funding, develop and submit funding applications, securing external research funding.
- To collaborate in research initiatives with colleagues in and beyond the College as appropriate.
- To perform research according to allocated and awarded research projects.
- To exemplify collaborative and collective approaches to research.
- To write up and publish the outcomes of research in good quality publications.
- To present papers, posters, reports at national and international seminars, conferences etc.
- To supervise PhD and other postgraduate students to completion.
- To coach junior colleagues in research.

Teaching

- To undertake a limited amount of teaching with students at levels 6 and 7, 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

- To participate in and develop external networks.
- To contribute to the peer review process and to the organisation of appropriate conferences, workshops and seminars.
- To represent the interests of the subject, Institute and College via activities to raise the regional, national and international profile
- To forge relationships with the professional bodies and other bodies representing relevant professional interests.

Additional responsibilities

- To take part in the meetings and activities of the Institute and College.
- To demonstrate the University's leadership values through your own actions and behaviour.
- To carry out specific additional Institute or College roles and functions as may be reasonably required.
- 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.
- 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.
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Person specification

	Essential	Method of assessment
Education and qualifications	A PhD in a subject of direct relevance to Optical Communications or equivalent industrial experience in a research environment.	Application form
Experience	<p>Experience of the experimental development of prototype subsystems and their demonstration in high capacity optical communication systems.</p> <p>Outstanding publication record including invited contributions as principle author.</p> <p>Experience of the management of delivery focused research and development projects.</p> <p>Track record of successful research funding.</p>	Application form, interview and presentation
Aptitude and skills	<p>Ability to negotiate directly with demanding customers.</p> <p>Ability to develop and maintain a research programme and to publish in high quality publications.</p> <p>Ability to inspire and motivate research colleagues.</p> <p>Ability to prepare written communications to a high standard.</p>	Application form, interview and presentation

	Desirable	Method of assessment
Education and qualifications	1st class or upper second in Electronic Engineering, Applied Physics or equivalent.	
Experience	<p>Experience of research in the application of nonlinear phenomena to enhance optical communication systems.</p> <p>Experience of project planning and budgetary responsibility.</p> <p>Experience of active professional networking.</p> <p>Experience of the lifecycle management of Intellectual Property.</p>	Application form, interview and presentation

	Desirable	Method of assessment
Aptitude and skills	<p>Ability to develop a communal testbed in a R&D environment.</p> <p>Ability to supervise in an experimentally focused research environment.</p> <p>Ability to communicate the principles and implications of nonlinear optics to a non-technical audience</p>	Application form, interview and presentation

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: Andrew Ellis

Job Title: Professor

Tel: 0121 204 3075

Email: Andrew.ellis@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: Candidates who are not citizens of the United Kingdom, or another EEA member country, should check their eligibility to enter or remain the UK in advance of making any job application via the UKVI website <https://www.gov.uk/browse/visas-immigration/work-visas>. Before applying you should ensure that you meet the requirements, including meeting the English language standards. If you do not meet the eligibility criteria, any application for a work visa would be unsuccessful

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 Act 1998: Your personal data will be processed in compliance with the DPA and from 25 May 2018 with the 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/policy>



