



OPPORTUNITY

Research Assistant/ Associate - Fuel Cell Systems Testing and Modelling

Reference: 0181-24

Grade: Assistant 7/ Associate 8 (based on qualification and experience)

Salary: £32,332- 37,099/ £37,099- 44,263 (based on qualification and experience)

Contract Type: Fixed term until 30/11/2024

Basis: Full time

Job description

Job Purpose:

We are recruiting a Postdoc Research Associate/ Assistant (PDRA) to demonstrate the Fuel Cell (FC) system's role in decarbonisation missions. The Research Associate/Assistant will practically and computationally demonstrate FC's performance in converting hydrogen and hydrogen carriers to heat and power. You need to have experience in designing and testing FCs. Moreover, in this role, you need to communicate effectively and continuously with SMEs and other stakeholders for demonstration purposes. You will support the project leaders for the dissemination of project outcomes including, but not limited to, technical reports and publications. The PDRA may contribute to junior staff training and supervision where needed. Through this position, you will expand your research network and learn novel skills for your future career development.

Main duties and responsibilities

Research

- ▶ To work towards project objectives and meet the research outcomes.
- ▶ To develop research objectives, projects, and proposals for personal/joint research programmes consistent with the priorities and strategy of the School, with the assistance of a mentor if required.
- ▶ To write up and publish the outcomes of research in good quality publications.
- ▶ To present papers, posters, reports at seminars, conferences etc.
- ▶ To identify sources of funding, develop and submit funding applications, securing external research funding.
- ▶ Where appropriate to School/University strategy and subject discipline, to participate in and develop external networks.
- ▶ To supervise PhD and other postgraduate students to completion.

External engagement

- ▶ 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 the Academic Department and, on occasion, act as Chair of one or more of the School committees, these responsibilities being equitably distributed across the academic 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	A PhD for associate level or submitted PhD thesis for assistant level in Mechanical Engineering, Chemical Engineering, Electrochemical Systems or in a relevant subject.	Application form
Experience	<p>Experimental experience designing and testing fuel cells.</p> <p>Experience of writing up/contributing to the write up of research for high quality publications.</p> <p>Experience of producing papers, posters, reports presenting at seminars, conferences etc.</p> <p>Experience of positive collaboration within and outside of candidate's immediate research team.</p> <p>Supervising other personnel involved in the project.</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 develop and maintain a research programme and to publish in high quality publications.</p> <p>A willingness to undertake further training as appropriate and to adopt new procedures as and when required.</p>	Application form and interview

	Desirable	Method of assessment
Education and qualifications	PhD relevant to fuel cell and/or electrolyser technology	Application form
Experience	<p>Experience in working with SMEs and/or industry.</p> <p>Have modelling experience particularly CFD.</p> <p>Experience with Fuel cell design.</p> <p>Experience with 3D printing.</p>	Application form and interview
Aptitude and Skills	Data capturing and analysis, feasibility study skills.	Application form and interview

How to apply

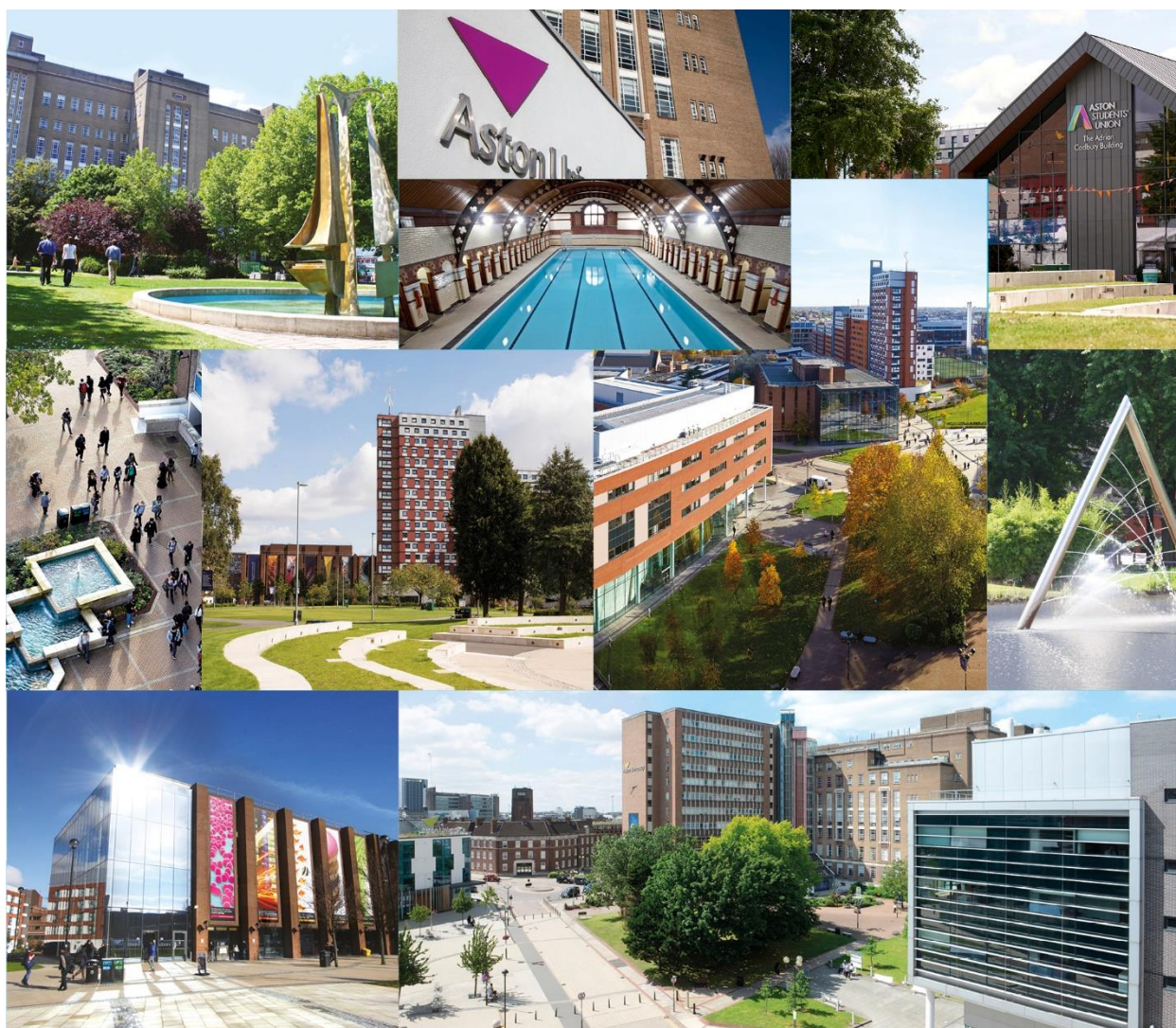
You can apply for this role online via our website <https://www2.aston.ac.uk/staff-public/hr/jobs>.

Applications should be submitted by 23.59 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 recruitment@aston.ac.uk



Contact information

Enquiries about the vacancy:

Name: Dr Amirpiran Amiri

Job Title: Senior Lecturer

Email: a.p.amiri@aston.ac.uk

Enquiries about the application process, shortlisting, or interviews:

Recruitment Team via recruitment@aston.ac.uk

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:

Non-British/Irish citizens moving to the UK to work will need to apply for a visa in advance. You can find more information about visas for work on the gov.uk website [here](#). Before applying for this role, 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.

The most common types of visa to work in the UK 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

You can find information about the Global Talent Visa on the gov.uk website [here](#), and on the Royal Society website [here](#).

You can also find further information about work visa options on our website [here](#).

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.**