



University of
Strathclyde
Glasgow



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Research Associate

Department	Architecture (www.strath.ac.uk/engineering/architecture/)		
Faculty	Faculty of Engineering (www.strath.ac.uk/engineering/)		
Staff Category	Research	Reference No	612789
Reports To	The Head of School/Research Leads	Grade	7
Salary Range	£36,024 - £44,263	Contract Type	Fixed Term (24 months)
FTE	1 (35 hours/week)	Closing Date	30 May 2024
Holidays	31 days + 11 statutory days Option to purchase additional holidays.	On Site Facilities	Car parking, sports centre, catering.
Pensions	Contributory pension scheme available to all staff including generous employer contribution.		
Training	Professional Development with Organisational and Staff Development Unit (OSDU) plus external training if required.		
Family Friendly Benefits	Generous parental leave provision, on-campus nursery and options for flexible working.		
Health and Wellbeing	University Sport centre, Occupational Health service, access to health and wellbeing events, cycle to work scheme, Employee Assistance Programme, agile working and established carers support network and carer friendly policies.		

Job Advert

Our department

The Department of Architecture aims to be a leading provider of education and research in Architecture and the Built Environment. The need to address the challenges of climate change and health through innovation in design and construction will lead to substantial research opportunities in the coming years, with the drive towards healthy buildings.

We are looking for an outstanding candidate who has an established track record of high-quality research, with particular expertise in Building Performance and/or Indoor Air Quality to work on a range of externally funded projects. The candidate will be able to translate this knowledge into teaching at undergraduate and postgraduate levels to enrich and inform the curriculum as well as clearly communicating this information to students and practitioners. This post will build on recent Departmental appointments to build substantial world leading expertise in this area of strategic importance for the Institution and Society.

We would love to hear from you if you have a PhD and postdoctoral research experience; an emerging publication history in high quality academic journals; and research interests which align with this area of strategic priority.

Project details

We currently have three funded projects, with others in development. These are:

- FuturHIST, an EU led project examining strategies and solutions for retrofit of historic buildings. Our work will involve measuring and modelling the environmental impacts of window retrofit solutions.

the place of useful learning

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• **SENSe-based Environmental Response System for HEALTHcare (SENSE-HEALTH)**. This is a project in collaboration with the Institute of Medicine to undertake sensing of environmental conditions in naturally ventilated spaces in Lanarkshire hospitals.

• **GEMINOA Glasgow Environmental Monitoring of Indoor and Outdoor Air**. This project is working in conjunction with EEE to examine the effects of indoor and outdoor air pollution at sites close to Schools across Glasgow

The studies have different objectives, but a common goal is the use of environmental measuring and sensing equipment to evaluate IAQ and ventilation in buildings, to determine comfort and health impacts. The studies will evaluate ventilation effectiveness to identify risk factors in a variety of settings, using carbon dioxide levels to provide an estimation of ventilation and also gathering data on other pollutants. The candidate will support the project by contributing to the distribution and organisation of monitoring equipment in workplaces to measure indoor environmental conditions, collection of architectural, construction and occupancy information, liaising with client organisations and assisting with the analysis of indoor environmental data.

As a Research Associate, under the general guidance of a research leader, you will develop research objectives and proposals, play a lead role in relation to a specific project/s or part of a broader project, conduct individual and/or collaborative research, contribute to the development of new research methods, identify sources of funding, and contribute to the securing of funds for research, including drafting grant proposals and planning for future proposals. You will write up research work for publication, individually or in collaboration with colleagues, and disseminate the results via peer reviewed journal publications and presentation at conferences. You will join external networks to share information and ideas, inform the development of research objectives and to identify potential sources of funding. You will collaborate with colleagues to ensure that research advances inform departmental teaching effort and you will collaborate with colleagues on the development of knowledge exchange activities by, for example, participating in initiatives which establish research links with industry and influence public policy and the professions.

To be considered for the role, you will be educated to a minimum of PhD level in an appropriate discipline, or have significant relevant experience in addition to a relevant degree. You will have sufficient breadth or depth of knowledge in Building Performance and Indoor Air Quality, and a developing ability to conduct individual research work, to disseminate results and to prepare research proposals. You will have an ability to plan and organise your own workload effectively and an ability to work as part of a team in a dynamic academic environment. You will 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. The projects are all based in Scotland and it would be expected that the role will be predominately based here, but some provision for flexible working by agreement.

Whilst not essential for the role, applications are welcomed from candidates with: membership of relevant Chartered/professional bodies (including the Higher Education Academy), active engagement in applied research, relevant teaching or knowledge delivery experience, and/or a growing record of securing funding and managing research projects.

Job Description

Brief Outline of Job:

To undertake a specific research project/s under the general guidance of a research leader; to establish a personal research portfolio and plan research proposals, with assistance from senior colleagues as required; to engage where required in relevant teaching, professional and knowledge exchange activities; and input to administrative activities.

Main Activities/Responsibilities:

1.	As part of a wider research group or programme, develop research objectives and proposals for own or joint research and play a lead role in relation to a specific project/s or part of a broader project, with guidance from senior colleagues as required.
2.	Plan and manage own workload, with guidance from colleagues as required.
3.	Conduct individual and/or collaborative research, including determining appropriate research methods and contributing to the development of new research methods.
4.	Identify sources of funding and contribute to the securing of funds for research, including drafting grant proposals and planning for future proposals.
5.	Write up research work for publication, individually or in collaboration with colleagues, and disseminate results as appropriate to the discipline by, for example, peer reviewed journal publications and presentation at conferences.
6.	Join external networks to share information and ideas, inform the development of research objectives and to identify potential sources of funding.

7.	Collaborate with colleagues to ensure that research advances inform departmental teaching effort.
8.	Collaborate with colleagues on the development of knowledge exchange activities by, for example, participating in initiatives which establish research links with industry and influence public policy and the professions.
9.	Supervise student projects, provide advice to students and contribute to teaching as required by, for example, running tutorials and supervising practical work.
10.	Contribute in a developing capacity to Department/School, Faculty and/or University administrative and management functions and committees.
11.	Engage in continuous professional development.

Person Specification

Educational and/or Professional Qualifications

(E=Essential, i.e. a candidate must meet all essential criteria to be considered for selection, D=Desirable)

E1 Good honours degree and PhD (or equivalent professional experience) in an appropriate discipline i.e.

D1 Membership of relevant Chartered/professional bodies (including Higher Education Academy).

Experience

E2 Sufficient breadth or depth of knowledge in the relevant discipline/s to contribute to research programmes and to the development of research activities.

D2 Some relevant work experience.

D3 Experience of relevant student supervision and teaching activities.

D4 Experience of knowledge exchange related activities.

Job Related Skills and Achievements

E3 Developing ability to conduct individual research work, to disseminate results and to prepare research proposals.

E4 Ability to plan and organise own workload effectively.

E5 Ability to work within a team environment.

Personal Attributes

E6 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.

Application Procedure

Applicants are required to complete an application form including the name of three referees who will be contacted without further permission, unless you indicate that you would prefer otherwise. Applicants should also submit a Curriculum Vitae and a covering letter detailing the knowledge, skills and experience you think make you the right candidate for the job. Applicants should also complete the Equal Opportunities Monitoring Form.

Other Information

Further information on the application process and working at Strathclyde can be found on our website (<http://www.strath.ac.uk/hr/workforus>).

Informal enquiries about the post can be directed to Professor Tim Sharpe, Head of Department, Architecture (tim.sharpe@strath.ac.uk).

Conditions of Employment

Conditions of employment relating to the Research staff category can be found at: [Conditions of Employment](#).

Rewards and Benefits

Our staff have access to a wide range of outstanding benefits that include financial rewards, family friendly and wellbeing benefits and career development opportunities, details of which can be found [here](#).

Probation

Where applicable, the successful applicant will be required to serve a 9 month probationary period.

Pension

The successful applicant will be eligible to join the Universities' Superannuation Scheme. Further information regarding this scheme is available from [Payroll and Pensions](#).

Relocation

Where applicable, the University offers a relocation package to support new employees who meet the eligibility criteria. The relocation package is offered as a contribution towards costs incurred, and is designed to be flexible, allowing staff to use the financial support available in the way that will be most helpful to them. Further details are outlined in the Relocation Policy.

Interviews

Formal interviews for this post will be held on a date to be confirmed.

Equality and Diversity

The University of Strathclyde is a socially progressive institution that strives to ensure equality of opportunity and celebrates the diversity of its student and staff community. Strathclyde is people-oriented and collaborative, offering a supportive and flexible working culture with a deep commitment to our equality, diversity and inclusion charters, initiatives, groups and networks.

We strongly encourage applications from Black, Asian and minority ethnicity, women, LGBT+, and disabled candidates and candidates from lower socio-economic groups and care-experienced backgrounds.

University Values

The University's Values capture what we're all about: who we are, what we believe in and what we stand for. [Our Values](#) have been derived from how we act and how we expect to be treated as part of Strathclyde.

