

Strathclyde Global Talent Programme (Professor/Reader):

Staff Category	Academic	Grade:	Reader or Professor
Salary Range:	Reader (£59,828 - £63,463); Professor (salary commensurate with experience and standing)	Contract Type:	Open Ended Contract
FTE:	1 FTE (hours required to fulfil duties of post – Happy to Talk Flexible Working)	Closing Date	Sunday, 6 October 2019
Reference No	247803		

Job Advert

Who we are

Be bold. Be innovative. Be a 'Strathclyder'.

We are the University of Strathclyde. Our vision is bold and ground breaking, placing us amongst the world's leading international technological universities.

We are seeking to appoint extraordinary Professors / Readers who align with our strategic priorities.

For more information visit the Strathclyde Global Talent Programme Website:

www.strath.ac.uk/workwithus/strathclydeglobaltalentprogramme or email globaltalent@strath.ac.uk

Our department

The mission of the Department of Mechanical & Aerospace Engineering is to advance knowledge and commerce in mechanical and aerospace engineering, and apply fresh thinking to the challenges faced by industry and society. Our research is carried out in award-winning and internationally recognised research centres in energy, aerospace, fluids and materials.

Our strategic priorities for these vacancies are noted below:

Materials

The strategic priority for this vacancy lies in the general field of Engineering Materials or Advanced Materials Science but will focus on the application of materials science across a wide range of industrial sectors in addition to our strategic centres. If your theoretical or applied research focuses on any of the below areas, then we would love to hear from you:

- Failure and Fracture
- Fatigue and creep
- Microstructure and Property Relationships
- Material Processing (incl forging)
- Advanced Joining
- Thermo-mechanical treatments
- High Temperature Materials
- Erosion-Corrosion
- Smart Materials
- Intelligent Nanomaterials

Mechanics

the place of useful learning

The University of Strathclyde is a charitable body, registered in Scotland, number SC015263

Our Mechanics and Materials Research is structured to deliver fundamental and applied research aligned to industry and society needs. If your experimental, theoretical or computational research focuses on any of the following areas, we would love to hear from you:

- Fatigue
- Fracture Mechanics
- Continuum Damage Mechanics
- Cyclic Plasticity, Shakedown & Ratcheting
- High Temperature Mechanics: Creep, Creep-Fatigue, Creep-Ratchet
- Advanced Finite Element Methods
- Structural Integrity & Fitness for Service
- Multifunctional Structures
- Lightweight Structures

Autonomous Vessels

Autonomous Vessels is one key area of the University strategic theme Ocean, Air and Space. Ocean-Air-Space (OAS) is a multidisciplinary and interdepartmental research theme whose mission is to introduce new and disruptive technologies in the fields of Mechanical & Aerospace, Civil & Naval Architecture, Ocean & Marine Engineering. The theme is structured around six subthemes:

- Sustainable Transport
- Risk, Safety and Reliability (Resilience)
- Remote Sensing
- Robotics and Autonomy
- Satellite and Space Systems
- Ocean Engineering

The structure of the theme and sub-themes is fairly solid and in line with the most up-to-date aerospace and ocean engineering contexts for what concerns the major challenges and questions of the sector. Since its launch in the academic year 2016-2017, the theme has been successful in leveraging the national and international recognition of Strathclyde in this critical transport sectors. This is exemplified by strong links with industry giants (e.g. the formalization of a strategic partnership with BAE systems) and other prestigious academic institutions and research centres.

The opportunity

We would love to hear from you if you have an internationally recognised research portfolio in this area, are publishing in leading international journals, are actively pursuing funding whilst building impactful collaborative links with industrial and business partners and if you have a passion for leading on teaching and learning. In keeping with our commitment to equality and diversity, we encourage applications from all sections of the community, particularly those who can support our Athena SWAN activity, which inspires the advancement and representation of women in higher education.

You'll be rewarded with:

- A generous remuneration package, with notable additional financial and non-financial benefits including pension and (where appropriate) a contribution towards relocation costs;
- Excellent start-up support; and
- Regular career review, with the opportunity to receive additional remuneration in recognition of outstanding contribution.

Job Description

The following notes requirements for a Professorial appointment. For Reader appointment, the criteria is adjusted to reflect your growing international reputation and experience. Please see [Reader Job Description here](#).

Main Activities/Responsibilities:

1.	Strategic leadership: Manage significant activities and resources and provide leadership, support and direction to academic/professional staff, whilst contributing, at a strategic level, to the work of the Department, Faculty and University
2.	Research Leadership: Provide research leadership within the Department, Faculty and University through

	identifying, developing and leading significant research directions and projects
3.	Research Dissemination: Lead an internationally acclaimed programme of research and disseminate results through regular and sustained publications in high impact journals, books and conference proceedings
4.	Funding: Secure substantial research grant funding and attract income through knowledge exchange activities
5.	Learning & teaching: Oversee the design and delivery of educational degree curricula and play a lead role in the development of educational strategy and in ensuring an excellent student experience
6.	Knowledge exchange: Lead the development of knowledge exchange activities with impact and promote public engagement.
7.	Thought leadership: Engage in, and where appropriate set the agenda in, national and international academic debates

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 in relevant discipline/s.

E2 Strategically-aligned research interests with an outstanding international reputation and record of achievement in research and publication in your field.

E3 Proven ability to attract substantial research funding over a sustained period.

E4 Ability to build an internationally leading research group and successfully manage and promote that group's research within an international arena.

E5 Track record of multi/inter-disciplinary research collaborations and developing external partnerships.

E6 Extensive experience of delivering high quality teaching to undergraduate and postgraduate students and supervision of research students.

E7 An established track record of project, budget and staff management with an ability to think strategically and contribute at a senior level to the Department, Faculty and University.

E8 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;

E9 A leadership approach and style which is consistent with the University's Values and which inspires others to deliver.

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

D2 Sustained track record of leading the development and delivery of large and varied educational programmes;

D3 Established links with industry, learned societies, government and/or relevant Chartered/professional bodies.

Application Procedure

To apply, [click here](#) to visit Strathclyde's vacancies portal and provide:

- A fully completed application form (including the names of three referees who will be contacted prior to interview, unless you confirm otherwise);
- A detailed CV; and
- A 5-year Strathclyde research plan which outlines your vision, illustrates your strategic fit with Strathclyde and highlights any existing or future opportunities for collaborative initiatives. (maximum 4 pages).

For more information, or to contact a Strathclyde colleague who would love to talk to you about this opportunity, visit our [Global Talent website](#).

Other Information

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.



Conditions of Employment

Professorial Staff

1. GENERAL CONDITIONS

Members of staff are subject to the Charter and Statutes and the Ordinances and Regulations of the University, published in the Calendar, and to any amendments or additions thereto approved by the University Court and, in the case of the Charter and Statutes, the Privy Council. Staff are also expected to familiarise themselves with, and adhere to, general University policies and procedures, as published on University web pages.

The University Court recognises Strathclyde Universities and Colleges Union (SUCU) as the sole body with which it will negotiate and consult on all collective issues concerned with the terms and conditions of employment of Academic Staff. Such terms and conditions may be varied by the University Court after negotiation and consultation with UCU.

Each member of staff is responsible for the proper performance of allocated duties to the person or persons specified in the member of staff's letter of appointment and any accompanying papers.

Each professor is responsible to the Court of the University through the Head of Department/School, Dean and Principal for the fulfilment of the normal professorial duties. Unless otherwise indicated, members of staff are appointed for full time service.

Heads of Department/School are responsible to the Court of the University through the Principal for that department as a whole. The conditions of such appointment are as set out in Regulation 1.13, and a separate letter of appointment. Each professor is ex-officio a member of the Board of Study for the Faculty in which the professor's department or area is located.

The University is committed to ensuring that its business is conducted in an open and transparent manner and will take all appropriate steps to address risks of bribery or corruption. Members of staff are required at all times to act honestly and with integrity and to safeguard the resources for which they are responsible. The University has in place a robust Public Interest Disclosure (Whistleblowing) Policy to enable concerns to be brought to its attention. This is available at www.strath.ac.uk/publicinterestdisclosure. Other relevant policies, e.g. Fraud Prevention and Conflicts of Interests, can also be found on the University's website.

Any member of staff may at any time be exposed to commercially sensitive information, information related to potentially valuable intellectual property or information which may otherwise be of a confidential nature. This information, which could be found anywhere in the University, may be written or disclosed orally, can include information of a commercial or technical nature, and may be owned by the University or by third parties. The University requires all employees to keep any such information confidential in the first instance and not disclose, publish or otherwise disseminate it without prior consent of the University. Such confidentiality obligations are commonplace and in the commercial interests of the University. When in doubt advice should always be sought from Research and Knowledge Exchange Services prior to disclosure.

The University operates probationary periods for new staff. The probation period for posts in this staff category is 12 months. Further guidance on probationary procedures is published at www.strath.ac.uk/hr.

Further information on the terms and conditions specified in this document and other staffing policies and procedures can also be found at www.strath.ac.uk/hr.

2. SALARY

Appointments are made at an appropriate level at or above the minimum for professorial staff. Performance is reviewed annually and any adjustments to salary are at the University's discretion.

Salaries are paid directly to staff members nominated bank account, normally on the second last working day of the month.

3. HOURS OF WORK

Working time is that required to fulfil the duties of the post. The duties are: research, teaching, knowledge exchange and administrative activities organised by agreement with the Head of Department/School/equivalent to produce a reasonable balance of commitment between these duties. The University Court recognises that academics carry out these duties in a wide variety of ways, but expects student contact to take place on the campuses during normal working hours on week days. There are exceptions to this pattern which may involve student contact at other locations or in the evenings, or at the weekends, but these arrangements will be made with the agreement of the member of staff concerned and may involve additional payment.

4. HOLIDAYS

Annual leave entitlement is 31 days per year to be taken by agreement with the line manager. For staff members working on a part-time basis, holidays will be calculated on a pro-rata basis.

In addition to annual leave there is an entitlement to eleven public holidays per year which should be taken on days that the University is closed for this purpose. The University presently closes for four additional days over the Christmas and New Year period. **These additional days count against the annual leave entitlement.**

For staff members working on a part-time basis, public holiday entitlement will be calculated on a pro-rata basis.

Annual leave and public holiday entitlements should be taken in the leave year to which they relate. Up to five days leave can be carried forward into the new leave year subject to line management agreement. In exceptional circumstances, Heads of Department/School/equivalent may approve carry forward of accrued annual leave in excess of five days.

The University's expectation is that staff take all accrued holidays prior to their termination date. If staff have exceeded their entitlement the University will deduct an equivalent number of days pay from final salary payments.

5. SICKNESS ABSENCE

During any period of absence through illness or injury provided the appropriate notification and certification procedures have been followed the University will pay a member of staff (having taken account of the aggregate of all periods of absence due to illness during the twelve months immediately preceding the first day of the current absence) as follows:

Period of Continuous Employment at start of absence from work	Full Pay	Half Pay
Less than 1 year	1 month	1 month
1 year but less than 2 years	2 months	2 months
2 years but less than 3 years	4 months	4 months
3 years but less than 5 years	5 months	5 months
5 years or more	6 months	6 months

In order to manage the University's sick pay scheme the University requires to maintain sickness absence records on individual members of staff. When making payments after the expiry of statutory sick pay the University will deduct an amount equivalent to any benefit normally payable by the Department of Work and Pensions. For full details on the general University policy in this area please refer to the Sickness Absence Management Policy at www.strath.ac.uk/staff/policies/hr.

6. PENSIONS

If you are under age 75 at the date your appointment commences you will automatically become a member of the pension scheme operated by the University – the Universities Superannuation Scheme (USS). You will be admitted to the career revalued benefits scheme called the USS Retirement Income Builder, the contribution rate that currently applies is 8.8% of pensionable salary. A threshold applies to the maximum salary that counts towards the USS Retirement Income Builder. From 1 April 2019, the threshold is £58,589.70 per year. Contributions based on salary above the monthly equivalent rate of the threshold are paid to the defined contribution section of the scheme called the USS Investment Builder. Information regarding USS can be found in the scheme booklet located on the website: <https://www.uss.co.uk/members/members-home/resources/factsheets-and-member-guides>. The scheme booklet is called 'Your Guide to the Universities Superannuation Scheme'.

The exception to automatic membership of the pension scheme applies if your post is located out with the UK in an EU member state. If this is the case membership of USS is not available to you.

The University operates a salary exchange arrangement, Pensions Plus, for members of the USS. Pensions Plus enables pension contributions to be made in a manner so that both employees and the University can benefit from available National Insurance Contribution savings. You will be automatically included in Pensions Plus, provided it does not adversely affect your take-home pay or your ability to claim certain state benefits. If your earnings fall below the Pension Plus pay protection limit you will be opted out of Pension Plus. This will not affect your membership of the USS.

New members of staff may opt out of USS within three months of taking up appointment and will then be treated as if they had never been a member of the scheme. After three months members of staff who wish to withdraw from USS during their employment will be required to give a minimum of 28 days' notice in writing to the University. Any member of staff who wishes to opt out should contact the Pensions Section, Finance, in the first instance (pensions@strath.ac.uk). Please note that if you are a member of Pensions Plus and withdraw from USS with less than two years of membership, or cease employment with the University and have less than two years of USS membership, the option of a refund of pension contributions will not be available to you. Instead, USS must provide you with a pension benefit that is payable from your retirement date.

The University reserves the right to alter or withdraw Pensions Plus as it sees fit or as required to comply with legislative changes. Withdrawal or amendment of Pensions Plus will not affect your membership of USS. If you do not wish to participate in Pensions Plus but wish to remain in

the pension scheme please contact the Pensions Team who will provide you with a non-participation form.

Information regarding pension scheme membership can be found on the Pensions pages of the University's website. Full information regarding USS can be found on the USS website – www.uss.co.uk

7. PLACE OF WORK AND RESIDENCE

Members of staff will be based on the John Anderson Campus, unless otherwise stated in the letter of appointment. The Department/School in which the post is initially placed will be specified in the letter of appointment although there will be an expectation to work at such other places as required in the course of employment.

If the need arises for members of staff to work outside the UK for a period (or periods) of more than one month then such arrangements will be subject to mutual agreement. Members of staff would then be provided with a statement in advance setting out the terms covering such periods of employment.

The University does not normally place specific restrictions upon the place of residence of members of staff. All staff are, however, expected

to reside in a location which is compatible with the satisfactory fulfilment of all the duties associated with their appointment.

8. CONSULTANCY/FURTHER ACTIVITIES

To support the strategic objectives of the University and to facilitate individual professional development, the University encourages staff to engage in professional activities with outside bodies related to their field of work. In many cases, such activity will be approved on the basis that it represents University knowledge exchange activity and should therefore be treated as part of the individual's overall workload and managed through the University's systems. It is also recognised that there will be some cases where an activity is entirely separate from the University and should thus be notified/approved as a personal business activity. For further information please refer to the "University Procedure in relation to Work for Outside Bodies including Consultancies", which forms part of the employment contract and can be accessed at www.strath.ac.uk/hr.

9. DISCIPLINARY AND GRIEVANCE PROCEDURES

Further information on the University's disciplinary and grievance procedure can also be found at www.strath.ac.uk/hr or on request from Human Resources.

10. NOTICE AND TERMINATION

The employment of a member of staff is terminable by at least six months' notice, in writing, on either side; termination dates are normally 31 March, 30 June, 30 September and 31 December. If notice is being given by a member of staff earlier release may be granted if this can be arranged without detriment to the work of the department or area. If the appointment is for a fixed term it will expire at the end of the period without the necessity for notice. Staff whose appointment has so terminated shall not normally be regarded as having been dismissed or removed from office in circumstances to which the terms of Ordinance 4.3 shall apply. Fixed term contracts may be terminated by either party short of the expiry date by the serving of six months' notice in writing. The University is not obliged to continue a fixed term appointment beyond the employment period.

Revised April 2019