

Strathclyde Global Talent Programme (Professor/Reader): Mathematical Modelling and Statistical Analysis.

Department	Mathematics and Statistics (www.strath.ac.uk/mathstat/)		
Faculty	Faculty of Science (www.strath.ac.uk/science/)		
Staff Category	Academic	Reference No	78298
Reports To	Head of Department, Executive Dean of Science and the Principal.	Grade:	Professor or Reader
Salary Range:	For Appointment at Reader: £57,674 - £61,179 If appointed at Professorial level, salary will be commensurate with the experience and standing of the appointee.	Contract Type:	Open-ended Contract
FTE:	The hours of work are those required to fulfil the duties of the post.	Closing Date	Sunday, 24 th September 2017

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 vibrant, dynamic and passionate about solving the challenges facing society and industry through our cutting-edge, multi-disciplinary research, education and knowledge-exchange with global partners.

We are seeking to appoint extraordinary Professors / Readers in strategically important research areas.

Our strategic focus

The strategic priority for this vacancy is Mathematical Modelling and Statistical Analysis of Societal and Policy issues. This multi-disciplinary research area includes research that addresses major challenges in the key areas of:

- Risk Prediction in Global Health Epidemiology, Digital Health and Pharmaco-Epidemiology: Developing and using appropriate statistical methods is a major challenge when analysing large sets of linked health data. Our focus is on developing new technologies by harnessing this data to prevent disease and manage treatments.
- Modelling of Marine Ecosystems: Stewardship of marine ecosystems whilst enabling sustainable exploitation of the goods and services they provide is a major scientific and policy challenge. Our focus is on development of mathematical models and statistical analyses to reveal how ecosystems respond to climate and human activity and assist policy makers.

- Stochastic Modelling: Involves modelling, analysis and implementation of numerical methods that help us to understand and predict uncertainty in real world scenarios such as those found in the finance industry.

The opportunity

Our Professors and Readers enjoy a range of benefits, including:

- A generous remuneration package;
- Notable additional financial and non-financial benefits;
- Excellent start-up support;
- Initially reduced teaching and management load; and
- Regular career review, with the opportunity to receive additional remuneration in recognition of extraordinary contribution.

In order to apply, you will be:

- Leading independent and internationally recognised research portfolio in an area of our strategic focus;
- Providing academic leadership to ensure a step-change performance improvements;
- Publishing in leading international journals;
- Pursuing funding opportunities from both UK and international sources;
- Taking a lead role in ensuring teaching and learning excellence; and
- Leading on developing collaborative and productive links with national and international partners in academia, business, industry and government.

We are particularly keen to hear from suitably qualified individuals who will actively engage with and support the University's ambition to implement best practice on equality and diversity and in particular Athena SWAN. The Athena SWAN Charter inspires the advancement and representation of women in higher education.

In your application, please indicate at which level you wish your application to be considered: Professor, Reader or both.

Job Description

The undernoted criteria relate to the skills and experience required for a Professorial appointment. For those wishing to be considered at Reader level, the criteria will be adjusted to reflect your growing international reputation and experience. Please see [Reader Job Description here](#).

Brief Outline of Job:

As an acknowledged expert and leader: to direct an internationally acclaimed research programme; to oversee and deliver educational curricula and set appropriate academic standards; to lead the development of knowledge exchange activities; to provide academic leadership and contribute at a strategic level to the work of the Department, Faculty and University:

Main Activities/Responsibilities:

1.	Manage significant activities and resources and provide leadership, support and direction to academic/professional staff.
2.	Provide research leadership within the Department, Faculty and University through identifying, developing and leading significant research directions and projects.
3.	Lead an internationally acclaimed programme of research and disseminating results through regular and sustained publications in high impact journals, books and conference proceedings.
4.	Secure substantial research grant funding and attract income through knowledge exchange activities.
5.	Oversee the design and delivery of educational degree curricula and playing a lead role in the development of educational strategy and operational standards.
6.	Lead the development of knowledge exchange activities and promote public engagement by, for example, establishing research and/or educational links with industry and influencing public policy and the professions at national and

	international level.
7.	Engage in, and where appropriate set the agenda in, national and international academic debates and within professional institutes, learned/practitioner societies and governmental committees.
8.	Contribute, at a strategic level, to the work of the Department, Faculty and University, for example through participation in the School senior management team and by playing a lead role on University committees.
9.	Engage in continuous professional development.

Person Specification

(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) in appropriate discipline/s.
E2	Research interests consistent with the strategic direction of the Department, Faculty and University.
E3	An outstanding and inspiring record of achievement in research and publication recognised internationally.
E4	An established international reputation as an expert and leader within specialist field.
E5	Proven ability to attract substantial research funding over a sustained period.
E6	Ability to build an internationally leading research group and successfully manage and promote that group's research within an international arena.
E7	Track record of multi/inter-disciplinary research collaborations and developing external partnerships.
E8	Extensive experience of delivering high quality teaching to undergraduate and postgraduate students and supervision of research students.
E9	An established track record of project, budget and staff management.
E10	Ability to think strategically and contribute at a senior level to the Department, Faculty and University.
E11	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;
E12	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

Applicants must provide:

- a fully completed Application Form;
- a detailed CV; and
- a 5 year Strathclyde research plan which clearly identifies with which strategic area you consider yourself to align with and where possible, identifies existing or potential opportunities for supporting collaborative initiatives with one or more of our identified International Partners (maximum 4 pages).

Applicants are required to provide the name of three referees who will be contacted before interview without permission, unless you indicate that you would prefer otherwise.

Applications should be made online via the [University's recruitment system](#).

Other Information

Further information on the application process and working at Strathclyde can be found at the dedicated Strathclyde Global Talent Programme Website (www.strath.ac.uk/workwithus/strathclydeglobaltalentprogramme/)

Enquiries about the Strathclyde Global Talent Programme should be directed to globaltalent@strath.ac.uk

Pre-employment health screening

An offer of appointment will be subject to a medical assessment by Occupational Health. An individual who accepts an offer of employment must complete a confidential medical questionnaire and forward it to the Occupational Health Nurse within 5 days of receipt. If further information is required, the individual may be contacted by the OHN or a Medical Advisor and a personal appointment with the individual may be arranged. An unconditional contract of employment will not be issued until Human Resources receives confirmation that applicant is fit to undertake the duties of the post.

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.

Equality and Diversity

We value diversity and welcome applications from all sections of the community.

The University currently holds a Bronze Athena SWAN award, recognising our commitment to advancing women's careers in academia.

