



The
University
Of
Sheffield.

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Lecturer

Faculty of Science,
School of Mathematics
and Statistics



Overview

The School of Mathematics and Statistics is seeking to appoint two Lecturers, with research interests in applied probability or financial statistics, to start on 1st September 2019 or soon thereafter.

Person Specification

Applicants should provide evidence in their applications that they meet the following criteria. We will use a range of selection methods to measure candidates' abilities in these areas including reviewing your on-line application, seeking references, inviting shortlisted candidates to interview and other forms of assessment action relevant to the post.

Criteria		Essential	Desirable
1.	Have a PhD (or equivalent experience) in a relevant area.	X	
2.	A Record of high quality research publications.	X	
3.	Research record in applied probability or financial statistics.	X	
4.	Potential for gaining external research income.	X	
5.	Ability to supervise and monitor the work of research students.	X	
6.	Ability to design and deliver teaching modules to a high standard, using a range of appropriate methods (for example, lectures, tutorials).	X	
7.	Potential to teach financial mathematics and supervise related projects, at both undergraduate and masters level.	X	
8.	A recognised qualification (for example, F.H.E.A.) in higher education.		X
9.	Ability to enhance the student learning experience.	X	
10.	Act as a positive role model and advocate for groups currently under-represented amongst UK mathematicians, including women, ethnic minorities and those with disabilities.	X	
11.	Excellent communication skills, both written and verbal, report writing skills and experience of delivering presentations.	X	
12.	Excellent interpersonal skills with the ability to liaise effectively with colleagues, students and external stakeholders.	X	
13.	Ability to communicate complex theories and problems effectively to undergraduate and postgraduate students.	X	
14.	Ability to assess and organise resources, and plan and drive forward activities.	X	
15.	Ability to contribute to departmental and faculty management.	X	
16.	Ability to plan and prioritise daily work, and forward plan up to five years for some tasks.	X	
17.	Ability to work effectively both within a team and independently.	X	
18.	Experience of developing a network of contacts within the discipline and beyond.	X	
19.	Possess excellent organisational skills and the ability to work to deadlines.	X	

About the Department

The School of Mathematics and Statistics has sixty members of academic staff made up of nineteen professors, eighteen readers and senior lecturers, and twenty-three staff who are lecturers, university teachers or independent research fellows. There is a strong research ethos and an international reputation in research, with research groups in Algebra and Geometry, Category Theory, Fluid Dynamics, Mathematical Biology and Environment, Number Theory, Gravitation and Cosmology, Probability, Solar Physics and Plasma Dynamics, Statistics and Topology. In the most recent 2016 Research Excellence Framework 89% of our submission was judged to be either internationally excellent or world leading. The school maintains fruitful interdisciplinary links across the University.

The School offers 14 undergraduate programmes at MMath and BSc level, and teaches over 900 students. As well as dedicated programmes in mathematics, the School offers undergraduate programmes specialising in financial mathematics, statistics, computer science, and others. It provides service teaching of mathematics to other parts of the University, especially in Engineering. At postgraduate level, the School also offers a range of MSc courses in mathematics and statistics, with specialized programmes in mathematical finance and medical statistics. The school has around 100 masters level students, and over 80 PhD students. More information about the School, including information about our teaching and research activities is available on-line at www.shef.ac.uk/maths.

The School is a supporter of the LMS Good Practice Scheme for advancing the careers of women in mathematics. We welcome applications from women and minorities, and currently the proportion of women in our academic staff is slightly above the national average. Through the University, the School offers a wide range of family friendly policies; including maternity, paternity and adoption leave and flexible working. Details of these are available via www.sheffield.ac.uk/hr/guidance but if you wish to discuss these or other policies you are welcome to contact our Deputy Departmental Manager (Operations and Research) Manager Ms Angie Rollinson a.rollinson@sheffield.ac.uk. Any enquiries will be treated confidentially.

Job Description

You will be an active researcher within any area of applied probability, or within financial statistics, and should be able to deliver high quality teaching at university level.

You will be expected to develop expertise in teaching financial mathematics at undergraduate and masters level.

The University's expectations of the qualities and responsibilities of its academic staff are captured by the concept of the Sheffield Academic. The role of the Sheffield Academic is underpinned by a number of core values and qualities that are essential to the scholarly pursuit and communication of knowledge in this University. Among them is the recognition that the pursuit of research excellence and the pursuit of teaching excellence are closely linked. See www.sheffield.ac.uk/jobs/uni/sheffieldacademic for further information.

Main Duties and Responsibilities

- Contribute fully as researcher, teacher and leader, in fulfilment of the ideals of the 'Sheffield Academic'.
- Conduct internationally competitive research evidenced by publications in top publications and journals in your field.
- Identify appropriate sources of research funding and participate in successful research proposals for funding bodies.
- Develop a strong national and international professional profile by, for example, refereeing papers, editing journals, refereeing research grants, external examining, organising conferences, committee membership and involvement with professional bodies.
- Design, deliver and assess high quality teaching programmes.
- Prepare and implement student assessments, which will include designing assessment instruments and criteria; marking assessments, ensuring adequate moderation; providing feedback; judging whether student circumstances should be taken into consideration in the assessment; and collating and providing final assessments of students.
- Undertake personal tutor/pastoral responsibilities for undergraduate and postgraduate students.
- Supervise undergraduate and postgraduate projects.
- Contribute to the life of the Department, the Faculty and the wider University community through administrative responsibilities and committee membership as and when appropriate.
- Plan and prioritise research and teaching activities.
- Carry out other duties, commensurate with the grade of the post.

Reward Package

Terms and conditions of employment: Will be those for Grade 8 staff.

Salary for this grade: £40,792 – £48,677 per annum. Potential to progress to £54,765 per annum through sustained exceptional contribution.

This post is open ended.

This post is full-time:

This role has been identified as a full-time post, but we are committed to exploring flexible working opportunities with our staff which benefit both the individual and the University (See www.sheffield.ac.uk/hr/guidance/flexible/arrangements). Therefore, we would consider flexible delivery of the role subject to meeting the business needs of the post. If you wish to explore flexible working opportunities in relation to this post, we encourage you to call or email the departmental contact listed below.

If you join the University you will have access to a Total Reward Package that includes a competitive salary, a generous Pension Scheme and annual leave entitlement, as well as access to a range of learning and development courses to support your personal and professional development. You will have access to your own personalised portal where you can also access a comprehensive selection of benefits and offers to suit your changing lifestyle needs, for example financial wellbeing, travel options, shopping and cinema discounts.



To find out more visit www.sheffield.ac.uk/hr/thedeal

We are committed to making the University a remarkable place to work and we support this through a number of sector leading services such as Juice.

Our innovative Health and Wellbeing service, Juice, encourages and supports staff to maintain their own positive health and wellbeing through a broad range of inclusive services and activities.



To find out more visit www.sheffield.ac.uk/juice

Our leadership development has been designed to ensure that our leaders have the knowledge, skills and behaviours needed by the University.

To find out more visit www.sheffield.ac.uk/hr/sld

*the*SheffieldLEADER

We are also proud of our award-winning equality and diversity action which enhances working life for all. 92% of staff tell us they are treated with fairness and respect (staff survey 2016). We're a Stonewall Top 100 Employer, recognising our efforts to build an LGBT+ inclusive workplace. Find out more at www.sheffield.ac.uk/hr/equality



We are the only university to feature in the Sunday Times 100 Best Not-for-Profit organisations to work for 2018. In our staff survey (2016) 94% of staff said they were proud to work for the University and 89% of our staff would recommend the University as an excellent place to work. To find out more about what it's like to work here visit remarkable.group.shef.ac.uk

Application Form

There is an online application form. You can attach documents to this. To ease processing the applications we would like information relevant to selection to be in a single pdf file (though this can if you wish have several parts).

The online form asks for an Application Statement: please put 'see attachment' as your response.

Your attachment should include a suitable covering letter, a CV (including a publication list), a brief research statement of up to two pages, a teaching statement of up to one page, and contact details for up to 3 referees.

Selection – Next Steps

Closing date: For details of the closing date please view this post on our web pages at www.sheffield.ac.uk/jobs

Following the closing date, we will contact you by email to let you know whether or not you have been shortlisted to participate in the next stage of the selection process. Please note that due to the large number of applications that we receive, it may take up to two working weeks following the closing date before the recruiting department will be able to contact you.

For more information on our application and recruitment processes visit www.sheffield.ac.uk/jobs/info

Informal enquiries

For informal enquiries about this job and the recruiting department, contact: Professor Nick Monk somas-hos@sheffield.ac.uk or on Tel: +44 (0) 114 222 3857.

For administration queries and details on the application process, contact the lead recruiter: Ms Angie Rollinson, Deputy Departmental Manager at a.rollinson@sheffield.ac.uk or on 0114 2224360.

For all online application system queries and support, visit: www.sheffield.ac.uk/jobs/applying

Creating a remarkable place to work

We build teams of people from different heritages and lifestyles from across the world, whose talent and contributions complement each other to greatest effect. We believe diversity in all its forms delivers greater impact through research, teaching and student experience.

We are consistently ranked in the top 100 of the world's universities, but there's so much more to us than that. By joining the University, you will be joining award-winning teams and departments who are all working together to make the University of Sheffield a remarkable place to work.

The Faculty of Science is committed to building outstanding teams of people from different heritages and lifestyles whose talent and contributions complement each other. We believe diversity in all its forms delivers greater impact through research, teaching and student experience. We are open to exploring flexible delivery of the role, subject to business needs.

There is scope to discuss this prior to formal interview along with any other accommodation you may need to fulfil your full potential and drive excellence in the role. We particularly welcome applications from currently under-represented groups including women, people with disabilities and those from minority ethnic backgrounds.

Learn more [here](#).



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2018



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