

CANDIDATE BRIEF

Associate Professor in Financial/Actuarial Mathematics,

Faculty of Engineering and Physical Sciences



Salary: Grade 9 (£59,139 – £68,529 p.a.) Reference: EPSMA1128 Location: Leeds main campus Closing date: Monday 09 June 2025

We are open to discussing flexible working arrangements

Associate Professor in Financial/Actuarial Mathematics, School of Mathematics.

Are you an academic with a proven ability to carry out teaching and research in Financial or Actuarial Mathematics? Do you have an excellent research record and the ability to obtain research funding? Are you passionate about delivering an exceptional student experience in a research-intensive Russell Group University?

We are seeking a talented researcher in Financial or Actuarial Mathematics to join the Department of Statistics within our School of Mathematics. This role is part of an ongoing strategic collaboration between the School of Mathematics and Leeds University Business School. You will be joining a large Department of Statistics comprising around 24 staff with research interests in Financial Mathematics, Probability, Statistics, and Data Science. We welcome applicants with multidisciplinary interests; in addition to our links with the Business School, the Department has links to many other Schools as well as to the Leeds Institute of Data Analytics and the Alan Turing Institute. Many of our modules and programmes are accredited by the Royal Statistical Society and the Institute and Faculty of Actuaries.

The research of the <u>Probability and Financial Mathematics</u> group focuses on stochastic modelling and control of systems and processes featuring uncertainty and complexity with applications in economics and finance, insurance, big data, biology, earth science, energy and physics. The methods and tools used come from probability theory, stochastic and complex analysis, statistics, and machine learning.

You will have a strong research profile with the ability to collaborate effectively in a multidisciplinary setting, an aspiration to obtain external research funding and a commitment to delivering first-class inspirational teaching and supervision within a research-intensive university.

As a member of the Department of Statistics, you will carry out research, teaching and associated administration within the School, Faculty and University and contribute to academic leadership in the field of Statistics. You must also be able to demonstrate international standing in your field, a track record of successful and substantive grant applications, the capacity to deliver an outstanding student experience and an ability to undertake successful academic leadership.



The School of Mathematics supports the <u>London Mathematical Society Good Practice</u> <u>Scheme</u>. The School also offers a number of family-friendly employment practices that are designed to enable a good work-life balance.

What does the role entail?

As an Associate Professor, your main duties will include:

- Pursuing, leading and developing the strategic direction of research, innovation and impact at an appropriately benchmarked level, attracting research income on an individual and collaborative basis to underpin high-quality research activity and programmes/projects;
- Being recognised as an authority in your field, developing and maintaining an external profile as appropriate to the discipline;
- Maintaining a high-quality record of regular and original research publications that are of national and international standing;
- Promoting the integration of your own research area with other research interests within and, as appropriate, outside the School, Faculty and University;
- Providing high quality postgraduate supervision and attracting research students to the University, and to supervise other students as appropriate;
- Undertaking research-led teaching and supervision at different levels on undergraduate and/or taught postgraduate courses; regularly collecting, and responding to, student feedback; and being involved in the assessment of course work and examinations;
- Playing a significant role in the design, development, planning and review of modules and programmes within the subject area as required;
- Contributing to the management and administrative processes and committee structures of the School, Faculty and University;
- Managing or leading major initiatives or areas of work (as either sustained or one-off projects) as well as taking on leadership roles which facilitate School, Faculty or University performance as required;
- Undertaking the above duties in a manner consistent with the University's commitment to principles of <u>equality and inclusion</u>.

These duties provide a framework for the role and should not be regarded as a definitive list. Other reasonable duties may be required consistent with the grade of the post.



What will you bring to the role?

As an Associate Professor, you will have:

- A PhD in Financial or Actuarial Mathematics, or a closely related subject;
- An international reputation, including a sustained track record of raising research funds from national or international funding agencies;
- A sustained track record of research outputs as a single or main author of refereed publications of internationally excellent quality;
- Significant experience of teaching effectively at all levels within higher education, including module and programme design, review and development;
- Experience of supervising taught undergraduate or postgraduate students;
- Outstanding communication, team working and networking skills including experience of collaboration on cross-disciplinary projects;
- A proven ability to provide academic leadership, including managing resources and/or staff;
- Evidence of the ability to build trust to ensure engagement and commitment, and to treat staff fairly, with respect and dignity.

You may also have:

- Experience of PhD supervision, acting as primary supervisor to successful doctoral graduates;
- An ability to build partnerships with industrial, professional and public sector organisations on interdisciplinary collaboration, knowledge exchange and funding.

How to apply

You can apply for this role online; more guidance can be found on our <u>How to Apply</u> information page. Applications should be submitted by **23:59** (UK time) on the advertised <u>closing date</u>.



Contact information

To explore the post further or for any queries you may have, please contact:

Dr Stuart Barber, Head of Department, Department of Statistics

Email: S.Barber@leeds.ac.uk

OR

Dr Oliver Harlen, Acting Head of School, <u>School of Mathematics</u> Email: <u>O.G.Harlen@leeds.ac.uk</u>

Additional information

Faculty and School Information

Further information is available on the research and teaching activities of the <u>Faculty</u> of <u>Engineering & Physical Sciences</u>, and the <u>School of Mathematics</u>.

Working at Leeds

We are a campus-based community and regular interaction with campus is an expectation of all roles in line with academic and service needs and the requirements of the role. We are also open to discussing flexible working arrangements. To find out more about the benefits of working at the University and what it is like to live and work in the Leeds area visit our <u>Working at Leeds</u> information page.

A diverse workforce

As an international research-intensive university, we welcome students and staff from all walks of life and from across the world. We foster an inclusive environment where all can flourish and prosper, and we are proud of our strong commitment to student education. Within the Faculty of Engineering and Physical Sciences we are dedicated to diversifying our community and we welcome the unique contributions that individuals can bring, and particularly encourage applications from, but not limited to Black, Asian and ethnically diverse people; people who identify as LGBT+; and people with disabilities. Candidates will always be selected based on merit and ability.



The Faculty of Engineering and Physical Sciences are proud to have been awarded the Athena SWAN <u>Silver</u> Award from the Equality Challenge Unit, the national body that promotes equality in the higher education sector. Our <u>equality and inclusion</u> <u>webpage</u> provides more information.

Information for disabled candidates

Information for disabled candidates, impairments or health conditions, including requesting alternative formats, can be found under the 'Accessibility' heading on our <u>How to Apply</u> information page or by getting in touch by emailing HR via <u>hr@leeds.ac.uk</u>.

Criminal Record Information Rehabilitation of Offenders Act 1974

A criminal record check is not required for this position. However, all applicants will be required to declare if they have any 'unspent' criminal offences, including those pending.

Any offer of appointment will be in accordance with our Criminal Records policy. You can find out more about required checks and declarations in our <u>Criminal Records</u> information page.

