



UNIVERSITY OF LEEDS

CANDIDATE BRIEF

Lecturer in Applied Mathematics (2 posts available),
Faculty of Engineering & Physical Sciences



Salary: Grade 8 (£41,526 – £49,553 p.a.)

Reference: EPSMA1043

Closing date: Sunday 03 October 2021

We will consider jobs share and flexible working arrangements

Lecturer in Applied Mathematics (2 posts available), School of Mathematics.

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

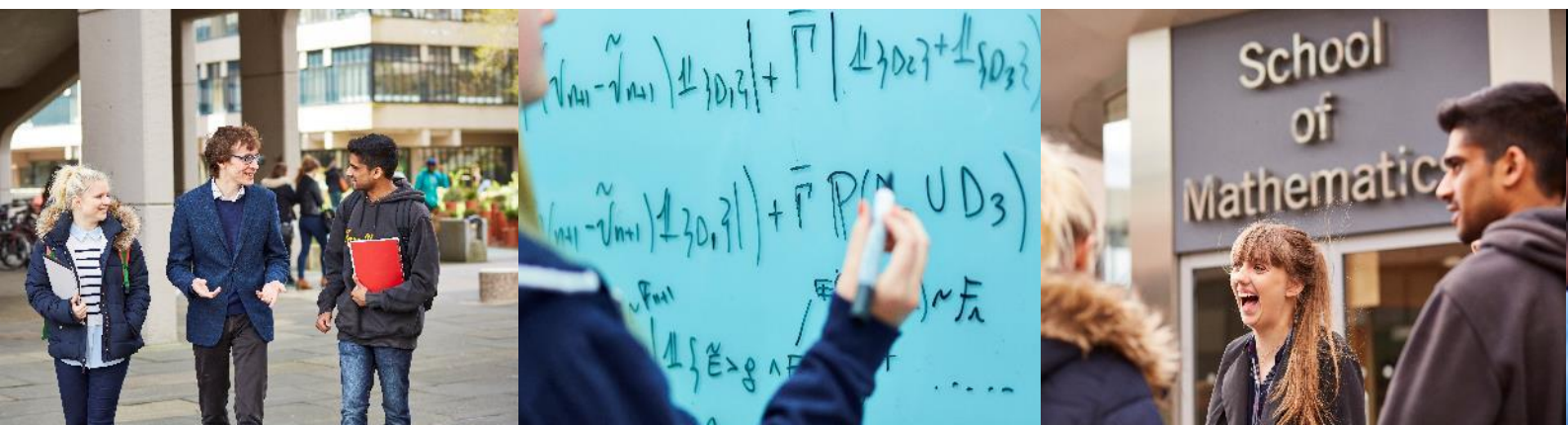
We are seeking two talented researchers in Applied Mathematics to join our School of Mathematics. You will have an excellent research record, an aspiration to obtain external research funding and a passion for delivering first-class inspirational teaching and supervision within a research-intensive university.

As a Lecturer, you will carry out research, teaching and management within the School, Faculty and University and contribute to academic leadership in the field of Applied Mathematics (interpreted broadly: our current research interests include fluid dynamics, mathematical biology, non-linear dynamics, materials science, mathematical physics, integrable systems, inverse problems and industrial applications). We are particularly keen to receive applications from individuals with one or more of the following strengths:

- Expertise in one or more areas of Mathematical Biology, e.g. Evolutionary Dynamics, Theoretical Ecology, Biophysics, Immunology.
- Ability to build links beyond Applied Mathematics, e.g. with industrial, professional and public sector organisations, engineering, materials science, physics, chemistry, medicine and health, climate or environmental science.
- Ability to develop teaching or research links with statistics or data science.

In joining the University of Leeds you will become part of an internationally-focussed University that provides all our students with an outstanding education and experience and at the same time undertakes cutting-edge research of high quality, impact and significance. Several research institutes and centres (e.g. Astbury, Bragg, LIFD, LIDA, Priestley, water@leeds) provide significant opportunities for interdisciplinary collaboration.

The Faculty of Engineering & Physical Sciences holds the Athena Swan Bronze Award in recognition of our success in recruiting, retaining and developing/promoting women



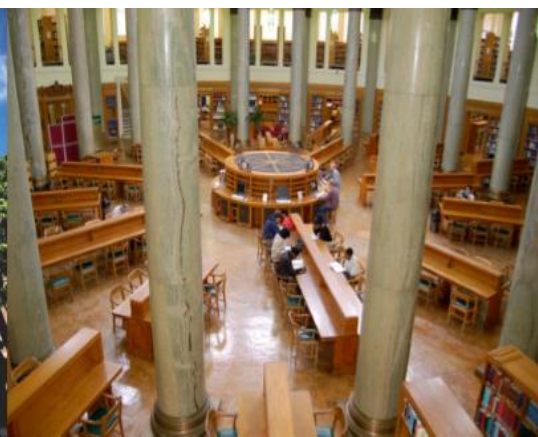
in Science, Engineering and Technology (SET). The School of Mathematics also offers a number of family-friendly employment practices that are designed to enable a good work-life balance.

What does the role entail?

As a Lecturer, your main duties will include:

- Being actively involved in research, innovation and impact at a national and international level, as well as contributing to local School/Faculty activity;
- Maintaining a record of high quality publications of national and international standing;
- Attracting research funding individually and collaboratively to underpin high quality research activity and research programmes/projects;
- Promoting the integration of your own research area with other research interests within and, as appropriate, outside the School and Faculty;
- Providing research supervision and helping to attract students to the University;
- Undertaking research-led teaching at different levels, including assessment and examinations and contributing towards module design, review and quality assurance mechanisms;
- Providing support, guidance and timely feedback to students, acting as a personal tutor, resolving issues and/or referring to specialist parties, where appropriate;
- Contributing effectively to the administrative processes and committee structures of the School/Faculty including taking on leadership roles and managing initiatives which facilitate School, Faculty or University performance or business;
- Undertaking the above duties in a manner consistent with the University's commitment to principles of [equality and inclusion](#).

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.



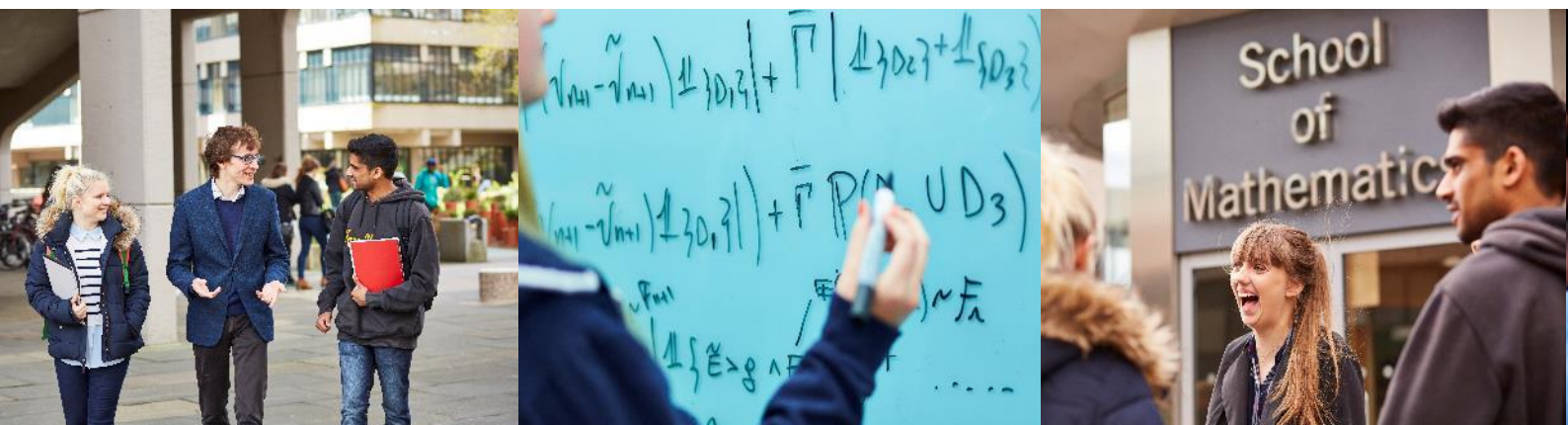
What will you bring to the role?

As a Lecturer, you will have:

- A PhD in Mathematics or a related mathematical discipline;
- A track record of research outputs, within the broad area of Applied Mathematics or related mathematical disciplines, in refereed publications of internationally excellent quality;
- A successful record of obtaining resources to support research activity with the potential for obtaining further funding in the future;
- An ability to contribute to and develop interdisciplinary collaborative research projects in a broad range of areas;
- A proven record of teaching in a University environment, with an enthusiastic approach to teaching subjects within Applied Mathematics and the ability to interact with a diverse range of students in ways that will enhance the student experience;
- Experience of proactively developing new teaching approaches and materials in the area of Applied Mathematics;
- A high level of interpersonal and communication skills, and a strong ability to communicate effectively in writing and verbally with students, academic and external audiences;
- An ability to contribute to management and administrative processes and structures, including managing resources and/or staff.

You may also have:

- Experience of providing postgraduate student supervision;
- A successful record of obtaining external research funding;
- Expertise in one or more areas of Mathematical Biology or a related area, e.g. Evolutionary Dynamics, Theoretical Ecology, Biophysics, Immunology;
- Ability to build academic links within the University of Leeds beyond the School of Mathematics;
- Ability to build partnerships with industrial, professional and public sector organisations on interdisciplinary collaboration, knowledge exchange and funding;
- Ability to develop teaching or research links with statistics or data science;
- Experience of creating fully online teaching material and automatic assessment.



How to apply

As part of your online application, please include a copy of your CV and a list of publications.

You can apply for this role online; more guidance can be found on our [How to Apply](#) information page. Applications should be submitted by **23.59** (UK time) on the advertised [closing date](#).

Contact information

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

[Daniel Read](#), Head of Applied Mathematics

Email: d.j.read@leeds.ac.uk

[Kurt Langfeld](#), Head of School of Mathematics

Email: k.langfeld@leeds.ac.uk

Additional information

Faculty and School Information

Further information is available on the research and teaching activities of the [Faculty of Engineering & Physical Sciences](#), and the [School of Mathematics](#).

A diverse workforce

The Schools in the Faculty of Engineering & Physical Sciences are proud to have been awarded the Athena SWAN [Bronze or Silver](#) Award from the Equality Challenge Unit, the national body that promotes equality in the higher education sector. Our [equality and inclusion webpage](#) provides more information.

Working at Leeds

Find out more about the benefits of working at the University and what it is like to live and work in the Leeds area on our [Working at Leeds](#) information page.



Candidates with disabilities

Information for candidates with disabilities, impairments or health conditions, including requesting alternative formats, can be found on our [Accessibility](#) information page or by getting in touch with us at disclosure@leeds.ac.uk.

Please note: If you are not a British or Irish citizen, from 1 January 2021 you will require permission to work in the UK. This will normally be in the form of a visa but, if you are an EEA/Swiss citizen and resident in the UK before 31 December 2020, this may be your passport or status under the EU Settlement Scheme.

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 [Criminal Records](#) information page.

