



UNIVERSITY OF LEEDS

## CANDIDATE BRIEF

Lecturer in Aerial Robotics, Faculty of Engineering



**Salary: Grade 7 (£33,199 - £39,609) or grade 8 (£40,792– £48,677p.a.)**

**Reference: ENGME1206**

**Closing date: 10 July 2019**

**We will consider flexible working arrangements**

## Lecturer in Aerial Robotics School of Mechanical Engineering

**Are you an experienced and ambitious researcher and teacher in Aerial Robotics looking for your next challenge? Do you have a strong research background in applied robotics? Do you want to further your career in one of the UK's leading Universities? Are you passionate about delivering an exceptional student experience in a research-intensive Russell Group University?**

We are looking for an outstanding candidate to play a key role in the research and taught provision relevant to our undergraduate and postgraduate programmes in Mechanical Engineering.

The School is established as one of the world leaders in applied robotics for inspection and repair – with a current grant portfolio over £10M. [\[Click here for an example of our robotics\]](#). Joining the [School of Mechanical Engineering](#), your research will contribute to the Institute of Design, Robotics and Optimisation at the University of Leeds in the area of Aerial Robotics.

You will also have the experience and capability to deliver outstanding teaching in Aerial Robotics as well as other areas relevant to our undergraduate and postgraduate programmes in Mechanical Engineering (e.g. Robotics, Mechatronics, Control Systems, Computation, Design and Manufacture). You will also be expected to offer mechanical engineering-related undergraduate and postgraduate projects. You will also contribute to the School's continuing professional development and knowledge transfer activities and to enhancing the international research and teaching reputation of the School of Mechanical Engineering.

For appointment at Grade 7, you must be able to demonstrate experience of teaching to undergraduate/postgraduate students and supervising undergraduate/masters level student projects in Mechanical Engineering-related disciplines and a developing track record of high quality publications in one or more of the research areas listed above. In addition, for appointment at Grade 8, you also must be able to demonstrate a track record of successful and substantive grant applications, a strong track record of high quality publications in one or more of the research areas listed above, the capacity to deliver an outstanding student experience and an ability to undertake successful academic leadership.



## What does the role entail?

As a Lecturer at grade 7, your main duties will include:

- Attracting research funding individually and collaboratively to underpin high quality research activity and research programmes/projects;
- Developing and maintaining a record of high quality publications in independently peer reviewed journals of high international standing;
- Being actively involved in research, innovation and impact at a national and international level as well as contributing to local School/Faculty activities;
- Providing effective research supervision and helping to attract research students to the University;
- Developing research collaborations with others in the School of Mechanical Engineering and with other Schools/Faculties at the University of Leeds;
- Working with colleagues in the School to develop and deliver undergraduate and postgraduate programmes in Mechanical Engineering;
- Providing support and guidance to students, providing timely feedback, acting as a personal tutor, resolving issues and/or referring to specialist parties, where appropriate;
- Contributing effectively to the review of modules, programmes and quality assurance mechanisms;
- Supervising BEng/MEng undergraduate and MSc (Eng) postgraduate students;
- Participating in knowledge transfer activities, where appropriate and feasible;
- Contributing to the wider research activities and outreach within the IDRO, including engagement with public and patient groups, funders and policy makers.
- Contributing effectively to the administration of the School's programmes of study and the committee structures of the School/Faculty;
- Maintaining own professional development.

As a Lecturer at grade 8, your additional duties will include:

- Extending and strengthening your record of high quality publications in independently peer reviewed journals of high international standing;
- Developing and leading research programmes and methodologies in areas within the existing strengths of the School as outlined above;
- Taking on leadership roles and managing initiatives which facilitate School, Faculty or University performance or business;



- Developing links with external contacts such as other educational and research bodies, employers, professional bodies and other providers of funding and research initiatives, to foster collaboration and generate income;

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 at grade 7, you will have:

- A PhD degree in Mechanical Engineering or a related discipline;
- A track record and/or potential for high quality publications in independently peer reviewed journals;
- A record of obtaining external research funding, commensurate with experience, and/or with the potential for obtaining further funding in the future;
- A commitment to high quality and translational engineering research, with evidence of the potential for wider societal impact;
- Evidence of research excellence in the field of Aerial Robotics – this should include expertise in applied robotic systems and experimental trials.
- Experience of safe operation and knowledge of the regulatory framework in this area – ideally experience of CAA certification for commercial drone operation.
- Experience of involvement in the supervision of research students;
- Experience of teaching effectively at undergraduate and taught course graduate levels, and the ability to interact with students in ways that will enhance the student experience;
- Experience of supervising undergraduate and/or taught postgraduate student projects;
- The ability to contribute effectively to the administrative activities of the School;
- A commitment to public engagement, knowledge transfer and to the recruitment/marketing activities of the School;
- Membership of, or to be in a position to apply within two years of appointment, to the Higher Education Academy or equivalent.



In addition, for appointment at grade 8 you will have:

- Experience of independently developing and leading research programmes and methodologies in areas compatible with the existing strengths of the School as outlined above;
- Evidence of an enthusiastic, innovative approach to all aspects of teaching and research;
- Evidence of the ability to build partnerships with academic, industrial, professional and public sector organisations on interdisciplinary collaboration, knowledge exchange and funding;
- Evidence of effective programme/academic leadership, including the development of staff from a research and teaching perspective;
- A proven record of successful lecturing, as evidenced for example by student feedback;
- Evidence of undertaking outreach and publicity activities.
- A strong track record of high quality publications in independently peer reviewed journals of high international standing.

## How to apply

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:

**[Professor Harvey Thompson](#)**, Head of the School of Mechanical Engineering

Tel: +44 (0) 113 343 2136

Email: [H.M.Thompson@leeds.ac.uk](mailto:H.M.Thompson@leeds.ac.uk)

## Additional information

### Faculty and School Information

Further information is available on the research and teaching activities of the [Faculty of Engineering](#) and the School of Mechanical Engineering.



## **A diverse workforce**

The Faculty of Engineering is proud to have been awarded the [Athena Swan 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's 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](mailto:disclosure@leeds.ac.uk).

## **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

