CANDIDATE BRIEF

Lecturer or Associate Professor in Computer Science, Faculty of Engineering and Physical Sciences

Salary: Grade 8 (£45,585 – £54,395 p.a.) or Grade 9 (£56,021 – £64,914 p.a.)

Reference: EPSCP1143

Closing date: Wednesday 31 January 2024

Full-time, ongoing

We are open to discussing flexible working arrangements

Lecturer or Associate Professor in Computer Science, School of Computing.

Are you an academic with proven abilities to carry out teaching and research in computer graphics, computer vision or visualization? Do you have an excellent research record and the ability to obtaining research funding? Are you passionate about delivering an exceptional student experience in a research-intensive Russell Group University?

We are looking for an academic who will make a strong contribution to our teaching, to the delivery of an exceptional student experience, and to our research in Computer Graphics, Computer Vision and Visualization.

We have a thriving taught Masters programme in High-Performance Graphics and Games Engineering, spanning mathematical foundations of computer graphics, geometric modelling and processing, rendering (both offline and real-time), animation and simulation, and game engine construction. You will be expected to contribute to the delivery of this Masters programme; opportunities also exist for teaching across a wide range of the undergraduate, taught postgraduate Computer Science syllabus in Leeds, overseas in our partner universities, and our fully-online programmes.

We are seeking an outstanding candidate with a track record of excellence in graphics, vision or visualization. You will have the experience and capability to deliver outstanding teaching in these areas, with the vision and drive to tackle new challenges. Your research will align with the school's research theme in computational science and engineering, and you will work closely with other staff in the theme.

The School of Computing is a friendly place to work, with staff working in flexible ways in both teaching and research. We encourage colleagues to apply from a diverse range of backgrounds and we try and provide a supportive environment to help your career flourish.
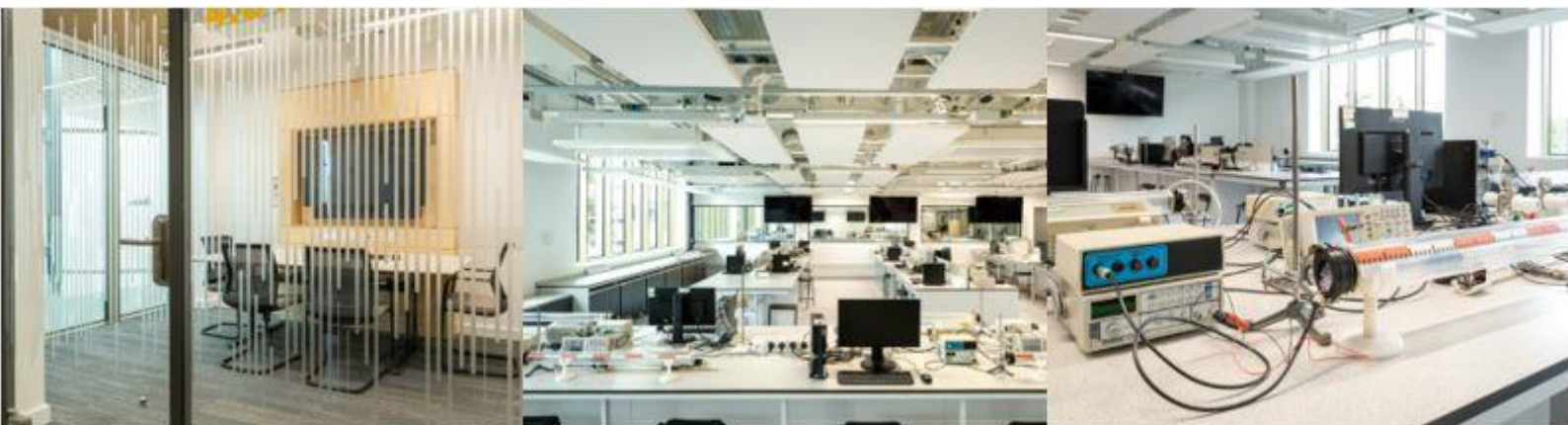
You will be expected to align with the University's new 10-year strategy: University Values and Global Change (https://spotlight.leeds.ac.uk/strategy/) and our institutional values: collaboration, compassion, inclusivity and integrity.

What does the role entail?

As a Grade 8 Lecturer (Teaching and Research), your main duties will include:

- Contributing to the delivery of an exceptional student education and overall experience within the School through:
    - Delivering high-quality research-led teaching, including assessment and examinations in a timely manner at different levels and through different modes of study (on-campus, on-line and/or off-site);
    - Providing support, guidance and timely feedback to students, acting as a personal tutor, resolving issues or referring to specialist parties where appropriate;
    - The development and delivery of modules and degree programmes within the School, including the development of innovative educational approaches, and participating in review and quality assurance.

- Developing and delivering a planned programme of research and innovation in Computer Science with impact at an international level. This 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 research outputs including publications and conference presentations;
    - Attracting research funding individually and collaboratively to underpin your research plan;
    - Building academic networks to enable the integration of your own research area with other research interests within and, as appropriate, outside the School of Computing;
    - Providing research supervision and helping to attract funded postgraduate research students to the University.

- Contributing effectively to the administrative processes and committee structures of the School/Faculty including taking on leadership roles and where appropriate, managing initiatives which facilitate School, Faculty or University performance.

As a Grade 9 Associate Professor, your main duties will also 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;
- Playing a significant role in the design, development, planning and review of modules and programmes within the subject area as required;
- 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.

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 Grade 8 Lecturer, you will have:

- A PhD in Computer Science or a related discipline;
- A technical background that aligns with the taught programmes led by the School of Computing and the ability to teach within the portfolio of modules we offer;
- A proven ability to deliver effective student education in Computer Science in a University, with an enthusiastic approach to teaching and the ability to communicate and interact effectively with students in ways that will enhance the student experience;
- Experience of proactively developing new teaching approaches and materials;
- Experience of providing postgraduate student supervision;
- A track record of research outputs, including in refereed publications of internationally excellent quality, in an area that complements and broaden the current research in graphics, vision and visualization;
- A successful record of obtaining external research funding, with the potential for obtaining further research funding in the future;

- 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;
- The ability to contribute to management and administrative processes and structures, including managing resources and staff.

Additionally, for appointment at Grade 9 Associate Professor, you will have:
- A sustained track record of research outputs as the main author of refereed publications in high quality journals;
- An international reputation in your research area, including a sustained track record of raising research funds from national and international funding agencies;
- Experience of PhD supervision, acting as a primary supervisor to successful doctoral graduates;
- Evidence of effective programme academic leadership, including the development of staff from a research and teaching perspective.
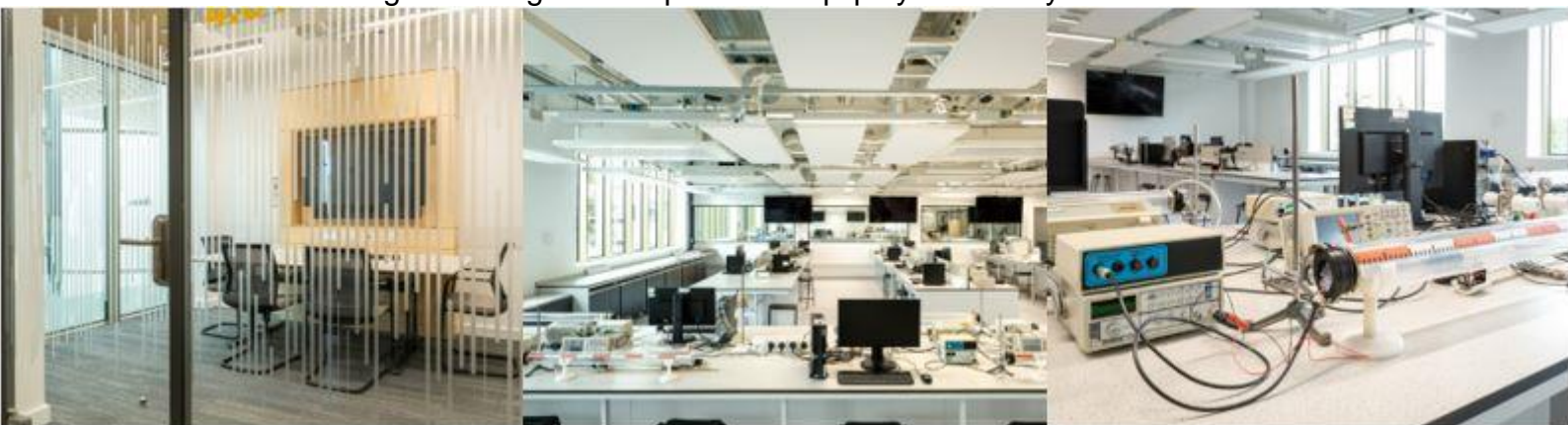
Please read the 'How to apply' section (below) on what documents to include as part of your online application.

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.

Your application should include:

- **A short research statement** outlining your research vision and future funding strategy. You should explain how your research aligns with the School of Computing and wider university research strengths, and how you would utilise and build upon established facilities and expertise.

- **A short statement of your teaching experience**. You should explain how your teaching philosophy aligns with the University of Leeds student education strategy available here: https://spotlight.leeds.ac.uk/strategy-student-education/index.html. A supporting statement evidencing how you believe your existing knowledge and experience equips you to carry out the role.

- **A copy of your curriculum vitae** giving full details of qualifications, research and teaching experience and a record of research grants and publications.

Contact information

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

Professor Gordon Love, Head of the School of Computing
Email: G.D.Love@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 Computing.

The University of Leeds Vision and Strategy can be found here with specific sections around research and innovation and teaching.

The School of Computing at the University of Leeds is a highly ranked academic department (top 10 in the UK REF2021) with a vibrant research culture and a commitment to excellence in our teaching. There are currently around 50 members of academic staff and we are now expanding to create new academic positions.

The School of Computing is a friendly place to work, with staff working in flexible ways in both teaching and research. We encourage colleagues to apply from a diverse range of backgrounds and we try and provide a supportive environment to help your career flourish.

We are the only School of Computing in the United Kingdom with strength in both Visualisation and Computer Graphics, with research that spans data analytics, exascale computational topology, GPU data structures, and user interaction including Virtual Reality (VR).

Our research group in Visualisation and Computer Graphics collaborates across the University, with the Leeds Institute for Data Analytics, the Leeds Institute for Fluid Dynamics, other Schools in the Faculty of Engineering & Physical Sciences, and with

the Faculties of Environment and Medicine & Health. External collaborations include the Alan Turing Institute, the Lawrence Berkeley National Laboratory, and others, as well as the local and international graphics and games industries.

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 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

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 Working at Leeds information page.

Information for disabled candidates

Information for disabled candidates, impairments or health conditions, including requesting alternative formats, can be found on our Accessibility information page or by getting in touch with us at hr@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.