



Job Title:	Lecturer in Creative Computing (SciArt and Data Visualization)
Grade:	8
Salary:	£44,263 to £54,395 per annum
Department:	School of Computing and Mathematical Sciences
Hours/Contract:	Full time or job share considered, Permanent
Job Family:	Teaching and Research
Reference:	9939

Role Purpose

This role of the post-holder is to conduct high-level innovative research and teaching, including the publication of research, development of teaching materials, research supervision and income generation through research grants, consultancy, and/or knowledge transfer. The post-holder will work closely with members in the Creative Computing Research Group with the School of Computing and Mathematical Sciences and other research groups, such as the Institute of Digital Culture, within the university, as well as collaborating with scholars worldwide. The post-holder will have expertise in SciArt and Data Visualisation, and contribute to the delivery of the exciting interdisciplinary courses, i.e., BSc in Creative Computing and MSc in Data Science.

Main Duties and Responsibilities

Research

- Engage in personal and collaborative research resulting in significant contributions to papers in leading international journals relating to Creative Computing.
- Generate external funding through grants, consultancy, knowledge-transfer activities, or other sources to support research and its transition into applications.
- Help develop research strategies enabling the School to attain its goal of developing interdisciplinary activities throughout the university.
- Build up and maintain relationships with external partners to support knowledge transfer and impact outside academia.
- Supervise research students and provide advice and guidance to other members of the wider team, both research staff and students in the context of theoretical or applied work.
- Attend major international and national conferences in the area of research and present research results in a regular basis, and to network and contribute to personal recognition and that of the University.

Teaching

- Give lectures, seminars, tutorials and other classes, especially in areas related to creative computing, focusing on data science and gamification, as allocated by the Head of School in accordance with teaching obligations.
- Supervise project work by undergraduate and postgraduate students.





- Maintain a broad knowledge of up-to-date research and scholarship in relevant fields to ensure that teaching meets the standards expected within a research-led University.
- Undertake other academic duties (such as setting and marking coursework and examination papers, invigilation, participation in course reviews and pastoral support of students) required to sustain the delivery of high-quality teaching.
- Support and comply with the University and departmental teaching quality assurance standards and procedures, including the provision of such information as may be required by the School or the University.

Administration and Other Activities

- Undertake such specific departmental roles and management functions as may be required by the Head of School.
- Attend meetings and participate in committees and working groups within the School, the College and the University to which appointed or elected.
- Engage in continuous professional development, for example through participation in relevant staff development programmes.
- Undertake, subject to the agreement of the Head of School and the University as appropriate, external commitments that reflect well upon and enhance the reputation of the University.
- Ensure compliance with health and safety requirements in all aspects of work.
- Take responsibility for organising resources and effective decision making in support of research and teaching.

Internal and External Relationships

Collaborate with other departments and administrative units of the University as well as research groups nationally and internationally. Support research students and other staff members to provide advice and guidance in area of expertise. Build and maintain contacts with industry or other external partners and work with them on joint projects.

Planning and Organising

Plan and deliver a course of lectures to undergraduate, masters, or PhD students. Plan research grant applications, publication of high-quality papers, industry engagements and impact-bearing collaborations. Seek guidance from Teaching and Research mentors, administrative support staff and other academic colleagues as required.

Qualifications, Knowledge and Experience

Essential

- Evidence of research leading internationally in terms of originality, significance and rigour, that are consistent with aspiring to achieve the highest standards of excellence. Such evidence could include one or more of:
 - High-quality research publications rated at 4* (internationally leading)





- Track record of substantial research funding and potential for continuing to obtain substantial research funding
- Track record of contribution to a 4* impact case study or potential to contribute substantially to a 4* impact case study.
- A PhD or equivalent in any area that can be related to Creative Computing
- Expertise in one or more of the following areas*
 - SciArt
 - Data Visualisation
 - 2D/3D Modelling
- Evidence of potential to engage in interdisciplinary research with other departments of the University*
- Evidence of potential to engage in collaborative research, knowledge-transfer activities or consultancy with industry*
- Experience or knowledge of higher education and ability to use a range of delivery techniques to inspire and engage students*
- Academic Teaching Qualification or commitment to gain the appropriate category of HEA Fellowship.

Desirable

Experience or potential in one or more of the following areas is desirable:

- Data Science techniques and tools.
- Business development in the creative sector.
- Evidence of collaborative research with leading groups or companies in the UK or abroad.
- Experience in organising seminars, workshops, conferences or other research meetings.
- Experience in supervision of undergraduate or postgraduate students.

Skills, Abilities and Competencies

Essential

- Ability to demonstrate behaviours that are in accordance with the University values of inclusive, inspiring and impactful.
- High level of proficiency in English, sufficient to undertake research, teaching and administrative activities utilising English Language materials and to communicate effectively with staff and students*.
- Proven ability or potential to generate external funding through research grants, consultancy, knowledge-transfer activities, or other sources to support research and its transition into applications*.
- Proven ability or potential to initiate work independently and as part of a team, both on research and teaching programmes.





- Proven ability or potential to teach undergraduate and postgraduate students in workshops, lectures, tutorials and seminars, and to supervise postgraduate students.
- Ability or potential to help develop curricula.
- Ability or potential to engage in outreach activities.
- Good written* and oral communication skills, along with presentation and training skills.
- Good interpersonal skills.
- Ability to teach and supervise undergraduate and postgraduate students in applied areas of computer science, including:
 - SciArt*
 - Data Visualisation*
 - Creativity *
 - Computational Creativity
 - Entertainment and Immersive Technologies
- Good interpersonal and personal skills and traits including:
 - Selflessly balancing the needs of colleagues, the organisation against your personal goals
 - Time management and prioritisation
 - Commitment to accountability, integrity, and trustworthiness
 - Ability to work in teams and to be able to balance organization and personal goals
 - Solution-focussed and problem-solving mentality

Desirable

- Ability to collaborate with existing staff in Creative Computing

****Criteria to be used in shortlisting candidates for interview***

Criminal Declaration

If you become an employee, you must inform your manager immediately, in writing, if you are the subject of any current or future police investigations/legal proceedings, which could result in a criminal offence, conviction, caution, bind-over or charges, or warnings.

Supporting University Activities

As a University of Leicester citizen, you are expected to support key university activities such as clearing, graduation ceremonies, student registration and recruitment open days. We expect all staff as citizens to work flexibly across the University if required.

University Values

Inclusive - We are diverse in our makeup and united in ambition. Our diversity is our strength and makes our community stronger.





Inspiring - We are passionate about inspiring individuals to succeed and realise their ambitions. We challenge our community to think differently, to get involved, and to constantly embrace new ideas.

Impactful - As Citizens of Change we will generate new ideas which deliver impact and empower our community

Equity and Diversity

We believe that equity, diversity and inclusion is integral to a successful modern workplace. By developing and implementing policies and systems that challenge stereotypes across all aspects of our work, we have a culture that recognises and values the diverse contributions of our staff which benefits everyone. Our strong values of inclusivity and equity support our efforts to attract a diverse range of high quality staff and students, and identify our University as a progressive and innovative workplace that mainstreams equity, diversity and inclusion.

